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NDMU Catalog
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2024-2025

Undergraduate Catalog

Academic and Behavioral Standards and Policies (/undergraduate-catalog/academic-and-behavioral-policies)
Academic Calendar (/undergraduate-catalog/academic-calendar)
Academic Information (/undergraduate-catalog/academic-information_1)
Academic Regulations (University) (/undergraduate-catalog/university-academic-regulations_2)
Accessibility and Health Promotion (/undergraduate-catalog/accessibility-and-health-promotion_1)
Accreditation (/undergraduate-catalog/accreditation_1)
Admission Information (/undergraduate-catalog/admissions-information_1)
Alumnae and Alumni Community and Council (/undergraduate-catalog/alumni-community-council)
Campus Buildings and Facilities (/undergraduate-catalog/campus-buildings-and-facilities_1)
Copyright Policy (/undergraduate-catalog/copyright-policy)
Family Educational Rights and Privacy Act (FERPA) Policy (/undergraduate-catalog/family-educational-rights-and-privacy-act-ferpa-policy_1)
Financial Aid (/undergraduate-catalog/financial-aid)
- Application Process (/undergraduate-catalog/financial-aid/application-process_1)
- Cost of Attendance (/undergraduate-catalog/financial-aid/cost-of-attendance)
- Eligibility (/undergraduate-catalog/financial-aid/eligibility)
- Exit Interview (/undergraduate-catalog/financial-aid/exit-interview)
- Federal Work-Study (/undergraduate-catalog/financial-aid/federal-work-study)
- Financial Need (/undergraduate-catalog/financial-aid/financial-need)

Policies (/undergraduate-catalog/financial-aid/policies)
- Communication and Confidentiality (/undergraduate-catalog/financial-aid/policies/communication-and-confidentiality_1)
- Contractual/Consortium Agreements Policy (/undergraduate-catalog/financial-aid/policies/contractualconsortium-agreements-policy)
- Courses - Dropping (/undergraduate-catalog/financial-aid/policies/courses-dropping)
- Courses - Withdrawal (/undergraduate-catalog/financial-aid/policies/courses-withdrawing)
- Cumulative Total Loan Limits (/undergraduate-catalog/financial-aid/policies/cumul-federal-l-limits)
- Disbursement of Funds Policy (/undergraduate-catalog/financial-aid/policies/disbursement-of-funds-policy)
- Leave of Absence and Return of Title IV Funds (/undergraduate-catalog/financial-aid/policies/leave-of-absence-and-return-of-title-iv-funds)
- Loan Limits Each Year (/undergraduate-catalog/financial-aid/policies/loan-limits-each-year)
- Merit Scholarships and Need-Based Grant Renewal Policy (/undergraduate-catalog/financial-aid/policies/merit-scholarships-and-need-based-grant-renewal-policy)
- Rights and Responsibilities (/undergraduate-catalog/financial-aid/policies/rights-and-responsibilities)
- Satisfactory Academic Progress (/undergraduate-catalog/financial-aid/policies/satisfactory-academic-progress)

Sources of Funding (/undergraduate-catalog/financial-aid/sources-of-funds)
- **Federal Grants (/undergraduate-catalog/financial-aid/sources-of-funds/federal-grants)**
  - Iraq and Afghanistan Service Grant (/undergraduate-catalog/financial-aid/sources-of-funds/federal-grants/iraq-and-afghanistan-service-grant)
  - Pell Grants (/undergraduate-catalog/financial-aid/sources-of-funds/federal-grants/pell-grants)
  - Supplemental Educational Opportunity Grant (SEOG) (/undergraduate-catalog/financial-aid/sources-of-funds/federal-grants/supplemental-educational-opportunity-grant-seog)
  - TEACH Grant Program (/undergraduate-catalog/financial-aid/sources-of-funds/federal-grants/teach-grants)
- **Loans (/undergraduate-catalog/financial-aid/sources-of-funds/loans)**
  - Alternative and Private Student Loans (/undergraduate-catalog/financial-aid/sources-of-funds/loans/alternative-and-private-student-loans)
  - Federal Direct Parent PLUS Loans (/undergraduate-catalog/financial-aid/sources-of-funds/loans/federal-direct-parent-plus-loans)
  - Federal Direct Subsidized and Unsubsidized Loans (/undergraduate-catalog/financial-aid/sources-of-funds/loans/federal-direct-sub-and-unsub)
- **Scholarships (/undergraduate-catalog/financial-aid/sources-of-funds/scholarships)**
  - External Scholarships (/undergraduate-catalog/financial-aid/sources-of-funds/scholarships/external-scholarship)



Institutional Scholarships (/undergraduate-catalog/financial-aid/sources-of-funds/scholarships/institutional-scholarships)
NDMU Endowed Scholarships (/undergraduate-catalog/financial-aid/sources-of-funds/scholarships/scholarships_1)
State Scholarships (/undergraduate-catalog/financial-aid/sources-of-funds/scholarships/state-scholarship)
State Grants (/undergraduate-catalog/financial-aid/sources-of-funds/state-grants)
2+2 Transfer Scholarships (/undergraduate-catalog/financial-aid/sources-of-funds/state-grants/22-transfer-scholarships)
Howard P. Rawlings Educational Assistance grant (/undergraduate-catalog/financial-aid/sources-of-funds/state-grants/howard-p-rawlings-educational-assistance-grant)
Howard P. Rawlings Guaranteed Access Grants (/undergraduate-catalog/financial-aid/sources-of-funds/state-grants/howard-p-rawlings-guaranteed-access-grants)
Maryland Part-Time Grants (/undergraduate-catalog/financial-aid/sources-of-funds/state-grants/maryland-part-time-grant)
Workforce Shortage Grants (/undergraduate-catalog/financial-aid/sources-of-funds/state-grants/workforce-shortage-grants)
Verification of Eligibility (/undergraduate-catalog/financial-aid/verification)
International Programs (/undergraduate-catalog/international-programs)
English Language Institute (/undergraduate-catalog/international-programs/english-language-institute)
International Students (/undergraduate-catalog/international-programs/international-student-information)
Study Abroad and Short Term Academic Experience Abroad (/undergraduate-catalog/international-programs/study-abroad)
Nondiscrimination and Sexual Misconduct Policy and Procedures (/undergraduate-catalog/nondiscrimination-policy-undergraduate)
Online Learning (/undergraduate-catalog/online-learning)
Student Records (/undergraduate-catalog/student-records)
Tuition and Fees for 2023-2024 (/undergraduate-catalog/tuition-and-fees)
Veterans Affairs (/undergraduate-catalog/veterans-affairs)
General Education and Courses Across Disciplines (/undergraduate-catalog/general-education-and-courses-across-disciplines)
Interdisciplinary Studies (IDS) (/undergraduate-catalog/general-education-and-courses-across-disciplines/interdisciplinary-studies)
Physical Education (/undergraduate-catalog/general-education-and-courses-across-disciplines/physical-education_1)
School of Arts, Sciences and Business (/undergraduate-catalog/school-of-arts-and-sciences)
Art (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/art)
Art Therapy (Major) (/undergraduate-catalog/school-of-arts-and-sciences/art-therapy_1)

Behavioral Neuroscience (Major) (/undergraduate-catalog/school-of-arts-and-sciences/behavioral-neuroscience)
Biology (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/biology)
Business (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/business)
Catholic Studies (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/catholic-studies-minor)
Chemistry (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/chemistry)
Communication Arts (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/communication-arts)
Computer Information Systems (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/computer-studies)
Computer Science (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/computer-science-minor)
Criminology and Social Deviance (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/criminology)
Digital Media Arts (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/digital-media-arts_1)
Economics (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/economics)
Engineering (Dual Degree) (/undergraduate-catalog/school-of-arts-and-sciences/engineering)
Entrepreneurship (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/entrepreneurship-minor_1)
English and Drama (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/english)
French (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/french)
Forensic Psychology (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/forensic-psychology)
Health Sciences (Major) (/undergraduate-catalog/school-of-arts-and-sciences/health-sciences)
History (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/history)
Hospitality: See Leadership in Hospitality and Event Management (/undergraduate-catalog/school-of-arts-and-sciences/hospitality-see-leadership-in-hospitality-and-event-management)
Interactive Communication Strategies (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/interactive-com-strat_1)
International Business (Major) (/undergraduate-catalog/school-of-arts-and-sciences/international-business)
International Studies (Major - International Business, Major - International Relations) (/undergraduate-catalog/school-of-arts-and-sciences/international-studies)
Latin American Studies (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/latin-american-studies)
Leadership in Hospitality and Event Management (Major) (/undergraduate-catalog/school-of-arts-and-sciences/hospitality-management)

- Liberal Arts (Major - Option A, Option B, Option C) (/undergraduate-catalog/school-of-arts-and-sciences/liberal-arts-2)
- Marketing Communications (Major) (/undergraduate-catalog/school-of-arts-and-sciences/marketing-communications)
- Modern Foreign Languages (/undergraduate-catalog/school-of-arts-and-sciences/modern-foreign-languages)
- Mathematics (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/mathematics)
- Music (/undergraduate-catalog/school-of-arts-and-sciences/music_1)
- Peace and Justice Studies (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/peace-and-justice-studies)
- Pharmacy Studies (Pre-pharmacy, Pre-Professional) (/undergraduate-catalog/school-of-arts-and-sciences/pharmacy-studies)
- Philosophy (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/philosophy)
- Pre-Medical, Pre-Dental, Pre-Veterinary (Pre-professional) (/undergraduate-catalog/school-of-arts-and-sciences/pre-medical-pre-dental-pre-veterinary)
- Political Science (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/political-science)
- Politics and History (major) (/undergraduate-catalog/school-of-arts-and-sciences/politics-and-history)
- Post-baccalaureate Certificate in Alcohol & Drug Counseling (/undergraduate-catalog/school-of-arts-and-sciences/addiction-counseling)
- Physics (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/physics)
- Psychology (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/psychology)
- Racial Justice (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/racial-justice)
- Radiological Sciences (Major) (/undergraduate-catalog/school-of-arts-and-sciences/radiological-sciences)
- Religious Studies (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/religious-studies_2)
- Sociology (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/sociology)
- Spanish (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/spanish)
- Women's Studies (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/womens-studies)

School of Education (/undergraduate-catalog/school-of-education)

College of Adult Undergraduate Studies (CAUS) (/undergraduate-catalog/school-of-education/college-of-adult-undergraduate-studies-caus)

- Early Childhood Education (/undergraduate-catalog/school-of-education/college-of-adult-undergraduate-studies-caus/early-childhood-education-caus_1)
- Elementary Education (/undergraduate-catalog/school-of-education/college-of-adult-undergraduate-studies-caus/elementary-education-caus_1)
- Liberal Studies/ESOL (/undergraduate-catalog/school-of-education/college-of-adult-undergraduate-studies-caus/liberal-studiesesol-caus)



Special Education (Dual Certification) (/undergraduate-catalog/school-of-education/college-of-adult-undergraduate-studies-caus/special-education-dual-certification-caus_1)

Traditional Undergraduate (/undergraduate-catalog/school-of-education/trad-und)

BA/MA (/undergraduate-catalog/school-of-education/trad-college/bama-wc)

BA/MAT (/undergraduate-catalog/school-of-education/trad-college/bamat-wc)

Early Childhood Education (/undergraduate-catalog/school-of-education/trad-college/early-childhood-education-wc)

Elementary Education (/undergraduate-catalog/school-of-education/trad-college/elementary-education-wc)

Elementary Education/ESOL (/undergraduate-catalog/school-of-education/trad-college/liberal-studiesesol-wc_1)

Secondary Education (/undergraduate-catalog/school-of-education/trad-college/secondary-education-wc)

Special Education (Dual Certification) (/undergraduate-catalog/school-of-education/trad-college/special-education-dual-certification-wc)

School of Nursing (/undergraduate-catalog/school-of-nursing_1)

Bachelor of Science in Nursing Program (/undergraduate-catalog/school-of-nursing/bachelor-of-science_1)

RN to BSN (/undergraduate-catalog/school-of-nursing_1/rn-to-bsn_1)

Special Academic Programs (/undergraduate-catalog/special-academic-programs)

Elizabeth Morrissy Honors Program (/undergraduate-catalog/special-academic-programs/elizabeth-morrissy-honors-program)

Student Designed Major (/undergraduate-catalog/special-academic-programs/physical-education)

Board of Trustees (/undergraduate-catalog/board-of-trustees)

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Academic and Behavioral Standards and Policies

The Student Handbook (https://www.ndm.edu/sites/default/files/2023-04/NDMU-Student-Handbook-2023.pdf) is a collection of policies and procedures pertaining to students at Notre Dame of Maryland University.

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Academic Calendar

Fall 2024

Holidays University Closed

Labor Day (No Classes, IPPEs or APPEs)	09/02/24		
Thanksgiving Holiday (No Classes, IPPEs or APPEs)	11/27/24	through	11/30/24

Undergraduate/Graduate/Professional (excluding ABSN/MSN and Pharmacy see below)

Description	Full Term	Term A	Term B	Term C
Term Start	08/26/24	08/26/24	10/21/24	09/09/24
Term End	12/14/24	10/19/24	12/14/24	12/14/24
First Day to Register	03/27/24	03/27/24	03/27/24	03/27/24
Last Day to Register	09/03/24	08/29/24	10/24/24	09/16/24

Drop without Penalty	09/03/24	08/29/24	10/24/24	09/16/24
Last Day to Withdraw with 'W'	10/28/24	09/26/24	11/21/24	11/02/24
Last Day of Class (traditional Undergrad)	12/06/24			
Grades Due	12/17/24	10/22/24	12/17/24	12/17/24
100% Tuition Refund Ends	09/03/24	08/29/24	10/24/24	09/16/24
75% Tuition Refund Ends	09/09/24	09/05/24	10/31/24	09/23/24
0% Refund Period Begins	09/10/24	09/06/24	11/01/24	09/24/24

**Traditional Undergraduate Final Exam Week 12/9/24 - 12/13/24 **

ABSN/MSN

Description	Term 1	Term 2	Term 3
Term Start	09/09/24	09/09/24	10/28/24
Term End	12/13/24	10/25/24	12/13/24
First Day to Register	03/27/24	03/27/24	03/27/24
Last Day to Register	09/16/24	09/12/24	10/31/24
Drop without Penalty	09/16/24	09/12/24	10/31/24
Last Day to Withdraw with 'W'	11/02/24	10/07/24	11/25/24
Grades Due	12/16/24	10/28/25	12/16/24
100% Tuition Refund Ends	09/16/24	09/12/24	10/31/24
75% Tuition Refund Ends	09/23/24	09/16/24	11/04/24
0% Refund Period Begins	09/24/24	09/17/24	11/05/24

Pharmacy

Description	Start Date	End Date
Introductory Practice Experience (P2, P3)	07/22/24	08/16/24
Advanced Practice Experiences (P4)	07/22/24	12/06/24
SOP New Student Orientation	08/06/24	08/08/24
SOP Drop/Add Period (P1)	08/12/24	08/26/24
First day of didactic classes (P1)	08/12/24	
Drop/Add Period (P2, P3, P4)	08/19/24	08/30/24
First day of didactic classes (P2, P3)	08/19/24	
Last day to withdraw from classes	10/11/24	
Registration for Spring 2025	10/28/24	11/01/24
Last day of semester classes (P1, P2, P3, P4)	12/06/24	
Reading Period (P1, P2, P3)	12/09/24	
Final Exams (P1, P2, P3)	12/10/24	12/16/24
Remediation Week (P1, P2, P3)	12/17/24	12/20/24
Grades Due	12/19/2024	

Winterim 2025

Holidays University Closed

New Year's Holiday	01/01/25
Martin Luther King Holiday	01/20/25

Undergraduate/Graduate/Professional (excluding ABSN/MSN and Pharmacy see below)

Description	Full Term
Term Start	01/02/25
Term End	01/18/25
First Day to Register	03/27/24
Last Day to Register	01/03/25
Drop without Penalty	01/03/25
Last Day to Withdraw with 'W'	01/10/25
Grades Due	01/21/25
100% Tuition Refund Ends	01/03/25
75% Tuition Refund Ends	01/07/25
0% Refund Period Begins	01/09/25

Spring 2025

Holidays University Closed

Martin Luther King Holiday	01/20/25		
Easter Holiday (No Classes, IPPEs or APPEs)	04/18/25	through	04/21/25

Undergraduate/Graduate/Professional (excluding ABSN/MSN and Pharmacy see below)

Description	Full Term	Term A	Term B
Term Start	01/21/25	01/21/25	03/17/25
Term End	05/13/25	03/15/25	05/10/25

First Day to Register	10/29/24	10/29/24	10/29/24
Last Day to Register	01/27/25	01/23/25	03/20/25
Drop without Penalty	01/27/25	01/23/25	03/20/25
Last Day to Withdraw with 'W'	03/27/25	02/20/25	04/17/25
Last Day of Class (traditional Undergrad)	05/05/25		
Grades Due	05/16/25	03/18/25	05/16/25
100% Tuition Refund Ends	01/27/25	01/23/25	03/20/25
75% Tuition Refund Ends	02/03/25	01/28/25	03/25/25
0% Refund Period Begins	02/04/25	01/29/25	03/26/25

** Spring Break 03/10/25 - 03/14/25 Traditional Undergraduate & Pharmacy ONLY**

**Traditional Undergraduate Final Exam Week 05/07/25 - 05/13/25 **

ABSN/MSN

Description	Term 1	Term 2	Term 3
Term Start	01/27/25	01/27/25	03/17/25
Term End	05/02/25	03/14/25	05/02/25
First Day to Register	10/29/24	10/29/24	10/29/24
Last Day to Register	02/03/25	01/30/25	03/20/25
Drop without Penalty	02/03/25	01/30/25	03/20/25
Last Day to Withdraw with 'W'	03/20/25	02/20/25	04/10/25
Grades Due	05/06/25	03/18/25	05/06/25
100% Tuition Refund Ends	02/03/25	01/30/25	03/20/25
75% Tuition Refund Ends	02/10/25	02/04/25	03/25/25
0% Refund Period Begins	02/11/25	01/30/25	03/26/25



Pharmacy

Description	Start Date	End Date
First-Day Didactic Classes	01/03/25	
Advanced Practice Experiences (P4)	01/06/25	03/14/25
SOP Drop/Add Period	01/09/25	01/23/25
Last Day to Withdraw from Classes	03/06/25	
School of Pharmacy Registration for Summer/Fall 2025	03/25/25	03/28/25
Spring 2025 School of Pharmacy Last Day of didactic classes	04/29/25	
Reading Period	04/30/25	
Final Exams	05/01/25	05/07/25
P4 Assessments	05/05/25	05/08/25
Remediation Week	05/08/25	05/13/25
P4 NAPLEX & MPJE Law Review	05/12/25	05/15/25
Intro Practice Experiences (P2 Only)	05/12/25	06/06/25
P4 Graduation Awards Banquet	05/16/25	
Grades Due	12/19/24	

Summer 2025

Holidays University Closed

Memorial Day	05/26/25
Junteenth	06/19/25
Independence Day	07/04/25

Undergraduate/Graduate/Professional (excluding ABSN/MSN and Pharmacy see below)

Description	Full Term	Term A	Term B	Term C	Term D
Term Start	06/02/25	06/02/25	07/07/25	06/16/25	07/14/25
Term End	08/09/25	07/05/25	08/09/25	06/28/25	07/26/25
First Day to Register	03/26/25	03/26/25	03/26/25	03/26/25	03/26/25
Last Day to Register	06/09/25	06/04/25	07/09/25	06/17/25	07/15/25
Drop without Penalty	06/09/25	06/04/25	07/09/25	06/17/25	07/15/25
Last Day to Withdraw with 'W'	07/14/25	06/23/25	07/28/25	06/23/25	07/21/25
Grades Due	08/12/25	07/08/25	08/12/25	07/01/25	07/29/25
100% Tuition Refund Ends	06/09/25	06/04/25	07/09/25	06/17/25	07/15/25
75% Tuition Refund Ends	06/19/25	06/09/25	07/14/25	06/20/25	07/17/25
0% Refund Period Begins	06/20/25	06/10/25	07/15/25	06/21/25	07/18/25

ABSN/MSN

Description	Term 1	Term 2	Term 3
Term Start	05/19/25	05/19/25	07/07/25
Term End	08/22/25	07/03/25	08/22/25
First Day to Register	03/26/25	03/26/25	03/26/25

Last Day to Register	05/27/25	05/22/25	07/10/25
Drop without Penalty	05/27/25	05/22/25	07/10/25
Last Day to Withdraw with 'W'	07/14/25	06/11/25	08/04/25
Grades Due	08/25/25	07/07/25	08/25/25
100% Tuition Refund Ends	05/27/25	05/22/25	07/10/25
75% Tuition Refund Ends	06/02/25	05/29/25	07/14/25
0% Refund Period Begins	06/03/25	05/30/25	07/15/25

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Careers at NDM
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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Academic Information

Notre Dame of Maryland University offers two divisions of undergraduate study: The Traditional Undergraduate College and the College of Adult Undergraduate Studies.

Traditional Undergraduate College

The Traditional Undergraduate College accommodates the needs and interests of individuals who can study full-time. Traditional Undergraduate College students who may be first-time or returning college students, transfer students, residents or commuters, are offered encouragement and direction in an atmosphere that promotes individual growth and development. Although the majority of students study on a full-time basis, students have the opportunity to enroll in the Traditional Undergraduate College program on a part-time basis as well. Traditional Undergraduate College students can earn the bachelor of arts or bachelor of science degree in 28 major fields of study and a variety of double major and dual degree programs.

For more information, call 410-532-5330 or 800-435-0200, email admiss@ndm.edu (mailto:admiss@ndm.edu), or visit https://www.ndm.edu/undergraduate (https://www.ndm.edu/undergraduate).

College of Adult Undergraduate Studies (CAUS)

In 2011, Notre Dame launched the College of Adult Undergraduate Studies (CAUS). Utilizing the expertise in adult education developed through more than 35 years of Weekend College programming, and incorporating the flexibility and convenience of the Accelerated College, CAUS brings even more academic options to working professionals seeking personal and career growth through lifelong education.

CAUS programs are based on the reality that adults learn best in an environment that considers their needs and life responsibilities. Students will find a flexible schedule allowing them to work around other priorities such as employment and home life. With rigorous, high-quality academic programs rooted in the liberal arts, an emphasis on career advancement, extraordinary opportunities for leadership, and attention to ethical and spiritual development, CAUS students experience an education that benefits them intellectually, professionally, socially and spiritually.

CAUS encourages students to learn at their own pace, studying in a variety of formats that include both accelerated courses that run from four to ten weeks and semester-long courses. CAUS offers face-to-face as well as online options, and courses that meet evenings, Saturdays and even weekdays. With four semesters each year, and concentrated sessions in the winter and summer, students may complete as few as three credits per year or as many as 30 credits.

Students may also study in a cohort, a group of 20 to 25 students who advance through the program together and ultimately graduate together. Cohorts take one course at a time, while studying year round. This cohort structure provides an embedded support system that keeps each adult student motivated toward degree completion. Classes meet the same day and time throughout the program, as professors use a proven curriculum emphasizing experiential learning that is relevant to today's workplace issues.

CAUS offers eleven Majors and a variety of Minors, as well as several Certificate programs. Baccalaureate programs in Business, Education and Nursing are offered through the cohort model. Students may also pursue a bachelor's degree outside the cohort model in Business, Interactive Communication Strategies, Education, Liberal Arts, Religious Studies and Radiological Sciences.

Cohorts are conveniently hosted at several locations: The main campus on North Charles Street, the Eastern Shore Higher Education Center, Arundel Mills and Arnold in Anne Arundel County, Laurel College Center in Prince George's County, College of Southern Maryland–Prince Frederick Campus and employer worksites.

For information on the College of Adult Undergraduate Studies, call 410-532-5330, email caus@ndm.edu (mailto:caus@ndm.edu) or visit https://www.ndm.edu/caus (https://www.ndm.edu/caus).

Academic Regulations (University)

The Catalog represents a flexible description of current educational plans, Programs of Study, offerings, and requirements that may be altered from time to time to carry out the purposes and objectives of the University.

The following are Undergraduate Academic Regulations and Policies:

Academic Advising
- Traditional Undergraduate College
- College of Adult Undergraduate Studies

Academic Clemency

Academic Clemency/Renewal at another University

Academic Standing
- Academic Good Standing
- Academic Probation
- Academic Dismissal
- Dean's List

Appeals - Student Policies

Appeals - Final Grades
- Reasons for Appeal
- Process for Final Grade Appeal

Appeals – Academic Dismissal

Attendance Regulations
- Students
- Faculty
- Online

Catalog Year
- Catalog Year for degree seeking students
- Catalog Year for transfer students with a Maryland Community College Transfer Associate Degree
- Catalog Year – Changing Catalog Year

Classification – Student Class

Communication

Contact Information

Consortium Agreements
- Baltimore Student Exchange Program (BSEP)
- Online Consortium of Independent Colleges and Universities

Course Policies - General
- Class Size
- Class Attendance
- Final Examinations
- Grading
- Grade Reports
- Incomplete Grades
- Pass/Fail Grade
- Audit

Credits and Semester Hours
Credit for Repeated Courses
Credit from Other Institutions
    Undergraduate Admissions
    Registrar's Office
    Credit from other institutions – Limitations on Community and Junior Colleges
Credit for Prior Learning
Cumulative Grade Point Average
Declaring Majors, Minors, Concentrations, Options
    Majors
    Double Majors
    Declaring a Major
    Minor
    Declaring a Minor
    Second Degree Program
    Certificate Program
Degree Requirements
General Education - Empower and Engage
    Learning Outcomes
    Course Requirements
    Important Requirements for Courses
Distance/Online Learning
    Asynchronous Learning
    Synchronous Learning
Eligibility to Represent the University
Final Examination- Conflict Resolution
General Education (Core) - Assessment
Grade Reports
Graduation - General
Graduation Requirements
    Graduation - Application
    Graduation - Honors
    Graduation - Commencement Ceremony Participation Policy
    Graduation Requirements - Earning two degrees simultaneously at NDMU
    Graduation Requirements - Residency
    Graduation Requirements - Second or Subsequent Baccalaureate Degrees
    Honor Societies
Independent Study, Internships, and Academic Service-Learning
Leave of Absence
Lower Division Courses
Matriculant Status
Maximum and Minimum Work
Maximum time towards degree on Catalog
Military Service Mobilization/Activation
Minors
Off-Campus Study
Placement Testing
Registration
    Registration General
    Registration - Adding Courses for Credit
    Registration - Auditing Classes
    Registration - Changing Sections
    Registration - Dropping Courses
    Requirements for All First-Time Full-Time Freshman
    Penalty for Non-Payment of Tuition
    Change of Registration - exceptions
Residency
Resignation
Roster Verification



ROTC
Statute of Limitations
Student Handbook
Student Identification Card
Student Status and Course Load - Full-Time/Part-Time Status
Term Resignation
Term/Semester Grade Point Average
Time Requirement
Transcript of Record
University Closures
University Discipline
University Success(NDMU course)
Upper Division Courses
Visiting Students
Winterim
Withdrawal from the University

Academic Advising

Traditional Undergraduate College: During the first year, a faculty member who concentrates on understanding the needs of new students advises incoming students. When the Traditional Undergraduate College student declares a Major, a faculty member in the major field is assigned as the academic advisor. An academic advisor helps the student plan the Program of Study. Traditional Undergraduate College students confer with a faculty advisor before each registration period. Traditional Undergraduate College students are encouraged to meet with their academic advisor at least once each semester in addition to the mandatory meeting before Registration.

College of Adult Undergraduate Studies (CAUS): Upon admission to the University an enrollment manager/advisor is assigned. This advisor helps students plan their Program of Study and approves course selection. CAUS students should confer with an academic advisor each semester.

NOTE: Ultimately it is the responsibility of the student to plan, register for and successfully complete the courses required for the Program of Study.

Academic Clemency

Academic Clemency is designed for students seeking readmission after an extended absence and whose Cumulative Grade Point Average (CGPA) at NDMU at the time of departure was less than a 2.0. The program provides eligible students the opportunity to renew their studies at NDMU by beginning their cumulative academic averages anew. The program is available to all undergraduate students who attend NDMU in matriculated status, then do not take Notre Dame classes, either matriculated or non-matriculated, for a period of five consecutive calendar years.

The decision to declare academic clemency must be made at the time of re-admission and can be claimed no more than once. Prior to requesting academic clemency, students must show evidence of academic progress by providing passing grades in at least 12 college credits completed at another accredited institution (formerly know as regional accrediting bodies, now known as an institional accreditor).

For those students who elect to participate, they will lose credit for every previous NDMU course they accrued in which a grade below “C” was obtained. Credits earned in courses in which grades of “C” or above were obtained will be retained as “Previous NDMU Credit” and will be treated the same as transfer credit (grade points are not used in the calculation of Cumulative Grade Point Average). No courses and/or grades will be removed from the transcript of participating students; however, their NDMU CGPA will begin “anew” upon their return. Student transcripts will have specific notations for those courses removed as a result of declaring Academic Clemency.

For additional requirements or questions about declaring Academic Clemency, please contact the Registrar's Office at registrar@ndm.edu (mailto:registrar@ndm.edu).

Academic Clemency at another University

A student who has enrolled at another accredited institution of higher education under an academic clemency plan (e.g., academic amnesty or bankruptcy) may be considered for Academic Clemency at NDMU provided:

1. The Academic Clemency plan at the previous institution meets all the provisions of the Academic Clemency plan at NDMU;
2. Credits earned since the student entered the program at a previous institution will be evaluated in the same manner as credits for other transfer students; and
3. The petition for Academic Clemency is submitted for approval to The Office of Admissions and subsequently to the student's Academic College.

Academic Standing

Scholastic regulations embody the academic standards of a University. The application of the following regulations is directed toward upholding the standards of NDMU - specifically, to impose the requirement of satisfactory academic progress.

The academic regulations set forth the conditions for Academic Good Standing, Academic Probation, and Academic Dismissal. These regulations are intended to be consistent with the following objectives:

1. To indicate to the student, at an early date and with regularity, that achievement below the standards required for graduation is regarded as unsatisfactory;
2. To allow the first-time freshman the opportunity to remain a student until he/she has attempted two semesters;
3. To give the student who performs poorly a warning which may prompt him or her to seek timely help from instructors, counselors, or other appropriate sources;
4. To provide the student whose record shows that ultimate success in the University is in doubt with a trial period to prove that he/she is able to make reasonable academic progress;
5. To prevent the student who lacks the required motivation or maturity from building a deficiency of quality points so great that it cannot later be overcome; and
6. To state the standards and the consequent results of inadequate scholastic performance clearly enough that students, parents, faculty, and administrators can know the academic action (if any) which would follow from a particular academic record.

A student's Cumulative Grade Point Average determines their Academic Standing at the end of each semester.

Academic Good Standing

It is expected that all undergraduate students should maintain a Cumulative Grade Point Average of at least 2.0 on all work attempted at NDMU. The University will, regardless of term GPA, certify a student to be in Academic Good Standing as long as that student has a Cumulative Grade Point Average of 2.0 or higher.

Academic Probation

A student who does not meet University standards for Academic Good Standing will be placed on Academic Probation. Students records will be reviewed for Academic Probation for every FAll and Spring semester in which they are registered. The purpose of Academic Probation is to provide students who are experiencing academic difficulties with intentional support and supervision to achieve success and gain Academic Good Standing.

A student will be placed on Academic Probation when their Cumulative Grade Point Average falls below a 2.0. Students placed on Academic Probation are required to meet with their Assistant Dean to develop an Academic Contract for Success, which will include referrals to academic support resources and participation in academic support programs.

Students placed on Academic Probation are required to:

- Meet with the Assistant Dean on a regular scheduled basis, including at the beginning, midpoint, and end of the semester;
- Create and submit an Academic Contract for Success outlining the student's goals for the upcoming semester; including a semester Term Grade Point Average goal of at least 2.0, as well as a goal for Cumulative Grade Point Average, determined in consultation with the Assistant Dean; and
- Attend academic support services as agreed to in the Academic Contract for Success.

A student on Academic Probation who does not comply with these requirements will be Academically Dismissed.

Academic Probation students who meet the terms of their contract and achieve minimum Cumulative Grade Point Average standards as agreed to in the Academic Contract for Success regain Academic Good Standing. Academic Probation students who make progress according to the terms of their Academic Contract, but who still fall below the Cumulative Grade Point Average requirements for Academic Good Standing are placed on Continuing Academic Probation for one additional semester. Normally, students are placed on Continuing Academic Probation for only one semester. Students who fail to regain Academic Good Standing after a semester on Continuing Academic Probation, or who do not meet the terms of their Academic Contract, will face dismissal.

Students receiving financial aid are required to achieve a minimum Cumulative Grade Point Average of 2.0. Please refer to the financial aid (http://www.ndm.edu/admissions-aid/financial-aid) section of this Catalog for detailed information about the satisfactory progress requirements for financial aid recipients.

Notification of Academic Probation will appear on the student's transcript.

Academic Dismissal

Failure to meet the expectations of in individualized contract made with the Assistant Dean will result in academic dismissal from the institution.

Notification of Academic Dismissal will appear on the student's transcript.

Dean's List

The Dean's List is published at the end of the fall and spring terms and lists those students who have a 3.5 grade point average for the term, a minimum of 12 graded credits with no incompletes or “F”s in Pass/Fail courses and a cumulative grade point average of 3.2 or higher.

The Dean's List published at the end of the summer term lists those part-time students who have a 3.5 grade point average and a minimum of 18 graded credits for the academic year, with no incompletes and a cumulative grade point average of 3.2 or higher.

At Honors Convocation, the University recognizes full-time students named to the Dean's List for both Fall and Spring semesters in the previous year and part-time students on the Dean's List at the end of the summer term. Student transcripts show each semester in which this honor is achieved.

Appeals – Student Policies

When extraordinary circumstances compel a student to request an exception to University Policy or Regulations, the student must petition the Committee for Student Appeals, a standing committee of the Office of Academic Affairs, for exception.

1. Requests for exceptions must be made within one semester following the end of the semester that is being appealed.
2. Students may not petition for exceptions after graduating.
3. All Committee procedures are confidential, respecting the privacy of the student.
4. Committee decisions are final.

For more information, contact the Registrar's Office. (http://www.ndm.edu/registrar)

Appeals - Final Grades

Reasons for Appeal

Only final grades may be appealed. A final grade may be appealed if there is evidence that the grade was not given in accordance with the grading policies set forth in the course syllabus or announced syllabus modifications.

The principle of seeking a reasonable, fair, and speedy resolution prevails throughout the process. All information related to the appeal and the appeals process will remain confidential.

Process for Final Grade Appeal

1. When a student wishes to appeal a final grade, the student must write to the faculty member setting forth the basis for the appeal, evidence documenting the alleged discrepancy between the syllabus grading policy and the grade received, and the remedy sought. The student should also submit a copy of the appeal materials to the Department Chair, or Program Coordinator in which the course is offered. The appeal must be made within two weeks of the official posting of grades on Self-Service. The faculty member will respond in writing to the student's appeal within two weeks.
2. If not satisfied with the faculty member's response, the student may, within two weeks of the response, appeal to the Department Chair or Program Coordinator. The student makes the appeal in writing, setting forth the basis for disagreement with the faculty member's response. The Chair informs the Dean of the School delivering the course. The Chair also informs the faculty member of the student's appeal and obtains a copy of the course syllabus and the faculty member's written response to the student. The Chair then reviews the written record. The Chair writes a response, including a report on the steps taken in the review process. The written response of the Chair is sent to the student, the faculty member, and the Dean within two weeks of the conclusion of the review process.
3. If not satisfied with the response made by the Chair, the student or faculty member may appeal in writing within two weeks to the Dean of the School delivering the course. The Dean then asks for a written statement and a copy of all relevant materials. Within two weeks of receiving the appeal, the Dean forwards his or her decision in writing to the student, the faculty member, and the Department Chair. The decision of the Dean is final.
4. If a grade change is authorized, the Registrar will be directed in writing by the Dean to make the change in grade.

Appeals - Academic Dismissal

In the event that a student is Academically Dismissed from the University, notification of the decision will be sent by certified mail to the priority address on file in the Registrar's office. Upon receiving the notice of impending Academic Dismissal, the student may appeal within seven days of receipt of the notification. A committee composed of the Associate Vice President of Academic Affairs and four faculty members hears the appeal. The decision of the Committee is final.

Attendance Regulations

Students

All students are expected to regularly and punctually attend classes in which they are enrolled. Failure to do so may jeopardize a student's scholastic standing and/or financial aid.

Students are responsible for the effect absences have on all forms of evaluating course performance. The student is responsible for arranging the allowed make-up of any missed work.

Faculty

Faculty are required to state, in writing, their expectations regarding class attendance in the syllabus. Faculty are also required to verify attendance each semester upon request from the Registrar's Office for financial aid compliance.

Faculty are expected to work with students to allow for completion of classwork and assignments if the student's absence results from his/her required participation in a University-sponsored activity provided that, prior to the absence, the student makes arrangement to complete all missed work.

Students are usually allowed to make up work and/or tests missed because of serious illness, accident, or death in the immediate family. Faculty are required to make reasonable and appropriate accommodations when specified by an ADA Letter, whether the disability is permanent or temporary. Accommodations do not change the nature of the class or academic expectations.

Online Courses

All distance education courses (i.e. online, hybrid, blended) align with the credit hour policies. Distance education course learning objectives, assignments, and assessments are comparable to in-seat courses and require at least as many hours of study and provide the same rigor and, thus, result in the same credit hours awarded upon completion. NDMU designates online courses through section codes that include OL or section numbers 90 and above (through 99). OL courses are facilitated on our Brightspace learning management platform (LMS). Undergraduate students must confer with their advisors before they register for an online (OL) course, and are limited to no more than four (4) OL enrollments per degree tenure. Section numbers 90-99 are also online or hybrid courses and may be available to undergraduate students per request or following the approval of their advisor.

Catalog Year

The maximum period of time for which the provisions of any Catalog may be considered valid is seven years. Students who began a degree program seven or more years prior to the date of their anticipated graduation must consult their academic dean to determine which Catalog must be followed.

The University will make a reasonable effort to honor the requirements in the student's Catalog Year. However, because courses and Programs of Study are sometimes changed, the university shall make the final determination of whether or not degree requirements are satisfied.

Catalog Year for degree-seeking students

Degree-seeking students (new and transfer students) must adhere to the requirements for an undergraduate degree based on the University Catalog at the time of acceptance/entry into the University. Students withdrawn from the University will be readmitted under a new catalog year.

Catalog Year for transfer students with a Maryland Community College Transfer Associate Degree

Degree-seeking transfer students who have completed a Maryland Community College Transfer Associate Degree may use the University Catalog in effect at the time of their first entry into an approved Maryland Community College. The transfer to NDMU must be made within three years of their first entry into the community college and provided enrollment has not been interrupted for two or more consecutive regular semesters not including summer sessions.

Catalog Year – Changing Catalog Year

NDMU students may only change catalog year by filing a Waiver of Policy/Requirement form with the approval of the Dean of their School.

Classification - Student Class

Classification of undergraduate students is made in the Office of the Registrar based on the number of credits earned and is revised, as may be necessary.

The rules governing the classification of undergraduate students are:

1. Freshmen: Students having fewer than 30 hours of credit (0 – 29.99).
2. Sophomores: Students having at least 30 hours of credit (30 – 59.99).
3. Juniors: Students having at least 60 semester hours of credit (60 – 89.99).
4. Seniors: Students having at least 90 semester hours of credit (90+).

Communication

Primary communication at NDMU is through assigned email. Every student is given a NDMU email account. All NDMU emails can be auto-forwarded to a personal email account. Directions on how to do this are available at portal.ndm.edu (http://portal.ndm.edu). Important information is regularly sent to students via their NDMU email. All students are expected to become familiar with University policies, deadline dates, and information posted in various publications, on our website, and through informational emails sent to student accounts.

Students should refer to this Catalog, Self-Service and the NDMU Homepage (http://www.ndm.edu/) for important information regarding registration, graduation application dates, policies/procedures, online payment options, news, and updates from the University community.

Contact Information

Students are responsible for accurately maintaining their demographic contact information via the University's web portal – Self-Service. The University considers each student's NDMU email address as the official, formal contact point. All official university correspondence will be sent to this address. Students should further maintain their physical addresses via the registrar's office as there are occasions when students will be contacted via the United States Postal Service. The University will consider all correspondence mailed to a student at their email or physical address currently on file to have been received unless it is returned to the sender.

Consortium Agreements

Baltimore Student Exchange Program (BSEP)

Through the Baltimore Student Exchange Program; full-time NDMU students with sophomore, junior, and senior status may take courses at Community College of Baltimore County, Coppin State University, Goucher College, Johns Hopkins University and Peabody Institute, Loyola University, Maryland Institute College of Art, Morgan State University, Stevenson University, Stevenson University, Towson University, University of Baltimore and University of Maryland, Baltimore County. These regular program courses can be taken as space is available, during the fall and spring terms. It is the student's responsibility to verify the start date and the time of the consortium course. Students must register through Notre Dame using a BSEP form; no additional fees are charged. First-year students are not eligible to participate in the consortium.

Full-time matriculants at Notre Dame may apply as concentrators at Loyola University if they wish to Major in a Program of Study not available at Notre Dame.

Students must be enrolled full-time at NDMU to be eligible to participate in this exchange.

Online Consortium of Independent Colleges and Universities

Notre Dame of Maryland University is a member of the Online Consortium of Independent Colleges and Universities (OCICU) partnership, which allows College of Adult Undergraduate Studies students to enroll in some courses offered online. Traditional Undergraduate College students seeking to enroll in OCICU courses must seek approval from the Dean of their School. Students complete the registration process through Notre Dame and are awarded Notre Dame credits upon successful completion of the course. Students should consult their academic advisor for more information on OCICU courses.

Course Policies - General

Class Size

Classes at NDMU may be as small as seven and seldom larger than 30 students. Small class size is a great advantage for both students and faculty. Each student is heard, and ideas and opinions are explored. Professors get to know students as individuals and the learning environment is enriched.

Class Attendance

Consistent class attendance and participation are essential to academic success. Students are expected both to attend class and to contribute to discussions and group activities. A student who is absent misses an important educational experience and detracts from the experience of others. In the College of Adult Undergraduate Studies, attendance is expected at all class meetings. Specific policies about the relationship between class attendance and course grades are established by departments and faculty and are explained in departmental handbooks and course syllabi. Students enrolling in online courses are required to initiate activity in the course within the first 24 hours of the first day of class to verify their participation. If students do not engage in the course, they risk being withdrawn. Courses taught online may require some time on campus. Students should familiarize themselves with university, departmental, or course (traditional vs. online) policies before the beginning of the semester and plan accordingly.

Students are advised children are prohibited from attending classes with them. Though the University is sensitive to the needs of parents and the potential for difficulties in providing child care, the campus is not to be used as a playground for children while the parent is attending class. The University denies any liability for injuries sustained by children playing on campus while the parent or supervising adult is in class.

Final Examinations

Examinations are scheduled at the end of each term. Exam dates are listed on the Registrar's Office page (https://www.ndm.edu/registrar). Students are expected to take exams at the scheduled times. A student who is absent from an examination without instructor approval may receive a grade of zero for the final examination which could result in a grade of "F" for the course. In case of illness or other unforeseen circumstances that could prevent a student from taking final examinations at the posted time, the student must contact the instructor and make individual arrangements to reschedule in advance of the exam.

Grading

Grades represent the instructor's evaluation of a student's achievement in the course. Each letter grade is ascribed a meaning and a numerical value (grade points) as follows:

Grade		Grade Points
A	Excellent	4.0
B+	Superior	3.5
B	Above average	3.0
C+	Average	2.5
C	Satisfactory	2.0
D	Just passing	1.0
E	Danger of failing *(Given only at mid-semester)*	
F	Failure	0.0
W	Official withdrawal	0.0
I	Incomplete*	0.0
P	Passed**	0.0

** An Incomplete becomes an F if not resolved within the designated time frame; see Incomplete Grades below for more information.*
*** See Pass/Fail for more information.*

The Grade Point Average (GPA) is calculated by dividing the total grade points earned by the number of credits attempted (exclusive of any Pass grades). Transfer or withdrawal credit is not calculated in the Grade Point Average.

Grade Reports

Students can access their grades through Self-Service as soon as they are posted by faculty and officially verified by the Registrar's Office. Students may request a hard copy grade report by emailing registrar@ndm.edu (mailto:registrar@ndm.edu).

Incomplete Grades

A semester officially ends at the close of the examination period. An Incomplete grade (I) can be granted only for reasons beyond the student's control and under the following circumstances:

- The request must be made by the student to the instructor. It is the instructor's decision to accept or deny the request;
- The student request must be based on a serious illness, emergency, or military service preventing the student from completing the work for the course; and
- The student must have satisfactorily completed at least half the coursework at the time the Incomplete is requested.

Incomplete grades at the end of the term in which they are accrued are calculated as if the grade earned is "F." It is imperative students move prudently to clear any incomplete grades as they will negatively impact the student's Grade Point Average, and may impact a student's financial aid.

The final determination of the Incomplete grade is the responsibility of the instructor. It is the student's responsibility to submit all the required work to the instructor so that a grade may be provided by the due date, which is typically mid-term in the following Fall or Spring. Work not submitted to the instructor on time will result in the grade being converted to an "F." Instructors will submit the final grade to the Registrar.

Students are advised not to carry an Incomplete grade from one semester to the next semester. If personal circumstances/emergencies necessitate a student carry more than one course with an Incomplete grade, the University reserves the right to limit the number of credits the student may take in the succeeding term. In such reviews, a student may be precluded from registering or be limited to part-time status until the Incomplete grade(s) is resolved. An Incomplete grade cannot be removed through re-registration for the course or through "credit-by-examination."

Pass/Fail Grade

A student may choose to take one graded elective course in any semester for a Pass/Fail grade with a maximum of four Pass (P) grades which can be used for graduation. A Pass grade for the course is not computed in the student's grade point average, but the credits earned are counted as credits toward graduation; however, a Fail (F) grade for the course will be included in the student's grade point average. In order to graduate with Honors, a student may not carry more than four courses with Pass grades (petitioning for credit, standardized testing and transfer credit are not counted toward this limit). Notification of the choice to take a course for a Pass/Fail grade must be filed with the Registrar before the end of the Drop/Add period. The Pass/Fail option is irrevocable.

Audit

Students may choose to audit a lecture course if they wish to broaden their academic exposure but do not need to take the course for credit. Students must register for audited courses, which appear on the student's official transcript but carry no academic credit. Notification of the choice to audit a course must be filed within the Registrar's Office before the end of the Drop/Add period. Courses taken as audit carry the same credit cost as a course taken for a grade. The decision to audit a course is irrevocable. Students cannot receive financial aid for audited courses and audited courses do not count toward the credits required for a full-time load for financial aid purposes.

Once a student has audited a course they are not eligable to receive academic credit by advanced standing examination or advanced placement. Student are allowed to enroll and receive academic credit for previously audited work by enrolling in the course for academic credit. Students are not allowed to audit courses in which they previously earned academic credit.

Credits and Semester Hours

Notre Dame of Maryland University confirms its commitment to quality learner experiences as well as compliance with regulations put forth by the Department of Education (DOE), Middle States Commission on Higher Education (MSCHE), the Maryland Higher Education Commission (MHEC), and Maryland discipline specific standards for all academic courses offered at Notre Dame of Maryland University.

Policy

NDMU awards academic credit to students who demonstrate they have met the learning objectives and outcomes specified in a course syllabus during the term of the course. Assurance that academic courses fulfill the workload expectations outlined in this policy is the responsibility of the faculty course developers and the Chair or Dean to whom the faculty reports.

Definitions

Credit-Hour

A credit-hour is an amount of work represented in the learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter-hour of credit, or the equivalent amount of work over a different amount of time; or
2. at least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, online instruction, and other academic work leading to the award of credit hours.

NDMU follows the Carnegie unit of measure for assigning credits to undergraduate and graduate academic courses: One hour of 'faculty-directed instruction' (instruction provided by a faculty member, maybe live or online) is no less than 50 minutes long. To earn one "credit- hour" in a traditional 15-week semester, an NDMU student must receive at least 50 minutes of direct instruction and spend 100 minutes preparing for each session of direct instruction, per week for 15 weeks.

An equivalent amount of work is required in accelerated or compressed-term courses and other academic activities where classroom instruction is not the primary mode of learning, including online courses, hybrid courses, laboratory work, independent study, internships, practica, and studio work. See Table 1.

Table 1

		Minimum student engagement/ prep. Time
Credits	**Hours**	**Hours**
1	12.5	25
2	25	50
3	37.5	75
4	50	100

5	62.5	125
6	75	150

Faculty-Directed Instruction

Direct instruction is defined as faculty led or assigned activities that lead to student learning. This may include but is not limited to traditional lecture, facilitating seminars, giving feedback on individual or group projects, reflection/feedback of student work, feedback on group work, individual or group project feedback/facilitation, reviewing drafts of papers, or projects and other activities that engage the students in learning the material. This description will be noted in the course syllabus.

Student Preparation Time

Students are expected to prepare for faculty instruction at a ratio of two hours per every one hour of instruction as noted above in Table 1. This expectation will be noted in the course syllabus. This is any activity the student does to prepare for engagement and assessment of the course. Activities include reading, researching and writing for papers, developing projects, practicing techniques and skills, and other activities that engage the students in learning the material.

Application of Federal Credit-Hour Policy to NDMU Instruction

Accelerated Sessions: Courses offered within the standard semester in which the credit hours offered are the same as standard semester courses. The content and substantive learning outcomes are the same. These courses have the required 2250 contact minutes, and/or meet in hybrid or onine format.

Lecture/Seminar: Course focuses on principles, concepts or ideas, lecture, discussion, and demonstration. A semester credit hour is earned for fifteen, 50-minute sessions of direct faculty instruction and a minimum of two hours of student preparation time outside of class per week throughout the semester. A typical three-credit hour course meets for three, 50-minute sessions or two, 75-minute sessions a week for fifteen weeks. Most lecture and seminar courses are awarded 3 credits.

Laboratory: Practical application type courses where the major focus includes “hands on” experience to support student learning (use of equipment, activities, tools, machines generally found in a laboratory). 1- 2 Laboratory credits represents a minimum of 1 hour per week of lecture or discussion plus a minimum of 2 – 4 hours of scheduled supervised or independent laboratory work.

Internship/Field Experience: Courses developed for independent learning and the development and application of job related or practical skills in a particular discipline. These courses allow for observation, participation, and fieldwork, and are generally offered off campus. Internship time includes a combination of supervised time by approved experts outside the university, student assignments, and time supervised by a university instructor. A 3 credit internship equals a minimum of 150 hours.

Practicum/Student Teaching: Courses developed for independent learning and the development and application of job related or practical skills in a particular discipline. These courses allow for observation, participation, client evaluation, fieldwork, and are offered off campus. Internship time includes a combination of supervised time by approved experts outside the university, student assignments, and time supervised by a university instructor. Practicum/Student Teaching hours comply with professional accreditation (ACEN/NCATE requirements).

Clinical Placement: Supervised experiences where students are afforded an opportunity to apply skills and techniques acquired from assessment and intervention-oriented course material. The number of hours varies by academic program based on clinical placement, accreditation requirements, site hour requirements, and student assignments.

Independent Study: Courses that permit a student to study a subject or topic in considerable depth beyond the scope of a regular course. Students meet periodically, as agreed upon with the faculty member for the duration of the course. University faculty provides guidance, criticism, and review of the student’s work. Students demonstrate competency through the completion of a final assessment either by submitting a final paper, project, or portfolio, etc. as required by the faculty member. Credit hours are assigned based on the amount of activity associated with the course, faculty supervision, and amount of student outside work. Credits conform to the standard minimum of 50 minutes of student work per credit hour, per week, for the course of the term or the semester. For a 15-week semester, this would be equal to 112.50 hours for a 3-credit independent study.

Hybrid: A course that is composed of both online learning and classroom learning to meet the learning objectives of the course is considered hybrid. In a hybrid course, approximately half of the course is scheduled as face-to-face, and 49% or less of the course is to be scheduled through distance education.Or, the hybrid course includes mor than 49% distance education but less than 99%. Hybrid courses stypically run synchronously and are aligned to the face-to-face schedule.

For a three-credit 15-week course that is scheduled to be less than 49% distance education, up to 76.50 minutes (1.275 hours) a week are scheduled face-to-face and up to 73.50 minutes (1.225 hours) per a week are scheduled online equaling a total of 150 minutes of instruction per week.

Distance Education - Online: Approved online courses must demonstrate instruction and student learning through asynchronous interactive methods to include tutorials, group discussions, virtual study/project groups, discussion boards, chat rooms, etc. Credits hours assigned to a course delivered online must equal the number of credit hour equivalency for the same course delivered face-to-face. Quality Matters standards for the design and delivery of online courses are often used in online course development and faculty who teach online courses have been trained in online teaching pedagogy.

Credit for Repeated Courses

A student may repeat any course in which she/he has earned a grade of D or F.

A course may be repeated only once. Only the higher grade will be counted in the student's cumulative GPA, and only the credits for the most recent attempt for the course will be counted toward the credits needed for graduation. However, both grades appear on the student's official transcript. The repeated course must be taken at NDMU.

A student who has earned a "C or better" in a course may not repeat that course unless:

1. The Catalog description indicates that the course may be repeated for credit; or
2. The student's Dean gives prior approval for documented extenuating circumstances.

Credit from Other Institutions

Through the Office of Academic Affairs, the University Registrar, and the Vice President for Enrollment Services share responsibility for the admission of transfer students and the acceptance of transfer credit as applicable toward the degree at the NDMU.

Undergraduate Admissions

An undergraduate transfer applicant should request each college or university she/he has attended to send a transcript to the Office of Admissions. Upon receipt of all transcripts, the previously earned credit is reviewed and a Cumulative Grade Point Average is determined for purposes of admission. Once admission has been determined, those credits are then evaluated for application toward those courses making up the degreed Program of Study. NDMU will only apply the credit earned from the transferring institution and not the quality points of the credit earned from the transferring institution toward the calculation of the NDMU Cumulative Grade Point Average (CGPA) used in the calculation of Satisfactory Academic Progress.

Registrar's Office

Courses evaluated by NDMU for credit earned from accredited institutions (formerly known as regional accrediting bodies, now known as an institional accreditor) will carry no grade. Technical and vocational credits are not accepted, credits for varsity sports, or credits from non-accredited institutions are not accepted.

Students must submit Official Transcripts to NDMU for evaluation for the acceptance of transfer credits from other institutions no later than mid-semester of the succeeding term in which they enrolled/earned this credit. Failure to submit Official Transcripts to NDMU for evaluation later than the succeeding term could result in students being required to complete these credits at NDMU.

The extent to which any transfer courses may be applied toward a degree at NDMU is determined by the Academic Dean of each College.

Students who wish to transfer credits to NDMU which were earned in a nontraditional manner (i.e., College Level Examination Program Subject or General Examinations, Advanced Placement, or Departmental Examinations) will have these evaluated by the Office of Admissions in conjunction with the Registrar's Office. Credit will be granted for Departmental Examinations and College Level Examination Program Examinations if the course(s) are listed on the student's official transcript/score with a passing grade or the equivalent and are within the policies for credit at NDMU. Advanced Placement credit will be given in areas in which NDMU normally grants such credit.

Transfer students who have question(s) concerning their transfer evaluation may request a review of the evaluation by their academic dean, their department head, the Director of Admissions, and/or the head(s) of the department in which the course(s) are offered at NDMU. Requests must be made in writing to the Director of Admissions and must list the specific course(s) in question. The student may be required to furnish course descriptions and may be required to appear before the appropriate college or department personnel.

In order to facilitate a more efficient transfer of courses among public colleges and universities, the Maryland Higher Education Commission has established a Master Course Articulation Matrix. This matrix indicates transfer equivalences of courses among Maryland's public college and universities, and may be accessed through the MHEC webpage (http://www.mhec.state.md.us/Pages/default.aspx). It remains, however, the prerogative of the receiving institution as to whether a course will count toward a particular Major, whether a particular grade is required, or whether the course will satisfy General Education Requirements. Students should therefore always contact NDMU prior to transferring courses.

Credit from other institutions – Limitations on Community or Junior Colleges

All academic hours earned at a community or junior college will be posted on the NDMU transcript upon the student's transfer. However, the maximum number of hours transferable from a community or junior college for degree credit is sixty-eight. Only under specific, defined agreements will credit earned at a community or junior college be articulated at the upper division level (300 or 400 course level). NDMU will only apply the credit earned from the transferring institution and not the quality points of the credit earned from the transferring institution toward the calculation of the NDMU Cumulative Grade Point Average used in the calculation of Satisfactory Academic Progress.

Credit for Prior Learning

Please see the Admissions section of the University Catalog for more information on Credit for Prior Learning including Credit by Examination (AP, IB, CLEP, etc.), Credit by Prior Learning Assessment (Portfolio Assessment and Course Challenge Exams), and Credit for Military Education.

Cumulative Grade Point Average

A student's Cumulative Grade Point Average (CGPA) is calculated by dividing the total number of quality points earned by the total number of semester hours attempted.

Declaring Majors, Minors, Concentrations, and Options

Students must declare an academic Major by the time they earn 45 credit hours. Transfer students must declare an academic Major within one semester of enrolling in the University.

Students who choose to pursue a Minor or Concentration must declare their at least one academic semester prior to the semester in which they intend to graduate.

Notre Dame reserves the right to decline a full-time student's request to declare a particular Major, second Major and/or a Minor. This situation might occur when the student cannot complete the needed courses in accordance with University policies prior to the anticipated graduation date. Students must declare all Majors/Minors *before* their final semester to ensure completion.

Majors

Admitted students declare their Major intentions during the admissions process.

Students may pursue degrees in the fields of study listed in their catalog. Students in the Traditional Undergraduate College may also enroll in pre-professional programs in Dentistry, Engineering, Law, Medicine, Pharmacy or Veterinary Medicine as part of an appropriate Major or a dual-degree Program of Study. In addition, a Traditional Undergraduate College student may plan a personally designed Major in consultation with appropriate Chairs and with the approval of the Associate Vice President for Academic Affairs. Requirements for the Major fields of study are listed in their respective sections of this Catalog. Not all Majors are offered in both Traditional Undergraduate College and CAUS.

Double Major

Students in the Traditional Undergraduate College may pursue a Double Major through the Sister Mary Meletia Double Major Program, which provides highly motivated, goal-oriented students with the opportunity to complete a Double Major in four years. The Program is named in honor of Sister Mary Meletia Foley, the first Dean of Notre Dame, whose wisdom and initiative were largely responsible for making Notre Dame the first Catholic college in the United States to award the baccalaureate degree to women. In keeping with that legacy, the Sister Mary Meletia Program provides the challenge of broad interdisciplinary studies to students who are driven toward academic rigor and challenge.

The Meletia Double Major Program allows students to enhance their learning by completing two Programs of Study and helps them to gain cross-disciplinary knowledge and practical experience essential to success. Students in the Meletia Program will be assigned two advisors, one in each majoring department; both Majors should be declared by the completion of students' second year at Notre Dame.

The Meletia Program offers several routes to completing a Double Major. Students may combine any two fields of study and take the required courses for each Major. Students may also choose from among pre-planned Double Majors which have been designed to offer a more streamlined and focused curriculum. Carrying a Double Major limits the number of general electives students are able to select and, in some cases, may require more than 120 credits for the degree. For more information on the Program, please consult the academic advising counselor.

Declaring a Major

A full-time student frequently declares a Major in the spring semester of the first year or in the fall semester of the sophomore year. To ensure sufficient time for completing the degree requirements, it is recommended that a full-time student declare a Major *before* registration for the spring semester of the sophomore year (completion of 45 credits).

Part-time students and most transfer and adult students declare a Major during the admission process. To ensure sufficient time for completing the degree requirements, it is required that CAUS students declare a Major upon completing 18 Notre Dame credits. A cumulative GPA of 2.0 is required to declare a Major. Changes or additions to the declared program require an academic advisor's signature and must be processed using the proper form.

Students may obtain Declaration of Major forms from the Registrar's Office or the NDMU website, and return completed forms to the Registrar's Office for processing. The Declaration of Major form must also be used to make changes or additions to the declared Program of Study.

The Chart Your Course Program, offered to students in the Traditional Undergraduate College, is designed for students who are exploring which Program of Study stimulates their greatest interest and is most compatible with their aptitudes and abilities. Each student works with the academic advising counselor to develop a personalized package of tools and resources to help her select a Major. Depending on the needs of the student, the package can include major exploration workshops, career interest inventories, internship and volunteer opportunities, academic support services, individualized and group counseling sessions, and alumna networking.

Minors

Minors are available in various fields of study. Normally, a minimum of 18 credit hours is required; of these, no more than 9 credits can be transfer credits. Not all Minors are offered in both the Traditional Undergraduate College and CAUS.

Declaring a Minor

If a student desires to declare a Minor, that declaration should be made before the completion of 90 credits. A student who intends to declare a Minor should have confirmation from the appropriate department that it is possible to complete all courses listed on the Declaration of Minor form. Full-time students should be able to complete all of the courses by the anticipated graduation semester without adding an unnecessary burden to the academic course load—for instance, having to exceed 18 credits in the fall–spring semesters. The form for declaring a Minor is available in the Registrar's Office or the NDMU website.

Second Degree Program

The second bachelor's degree program is designed for students who have perviously earned a bachelor's degree and wish to seek a second degree in a new academic field. To receive a second bachelor's degree, students fulfill the following requirements:

• Hold a bachelor's degree from an accredited four-year college (90 credits from the first degree will be applied to the second bachelor's degree);
• Fulfill the Major requirements of the department chosen for the second bachelor's degree;
• Earn a minimum of 30 credits in graded coursework toward the second degree at Notre Dame; and
• Maintain a Cumulative Grade Point Average and a Major Grade Point Average of 2.0. Departments may designate courses within the Major in which students must receive a minimum grade of C.

Certificate Programs

Certificate Programs of Study consist of a specific sequence of courses leading to the awarding of a Certificate of Completion. Students must be admitted to and enrolled in a Certificate Program at least one term prior to the term in which the credential is to be awarded.

Degree Requirements

In accordance with Middle States Commission on Higher Education standards (MSCHE), NDMU organizes undergraduate degree requirements into three categories: 1) General Education (Core) Requirements, 2) Other (elective or prescribed elective) requirements, and 3) Major requirements.

- General Education courses are mandated by the Maryland Commission on Higher Education (MHEC) and should generally be taken at the Freshman and Sophomore level. Specific requirements related to general education courses are explained in more detail within the Catalog.
- Other coursework requirements vary according to the degree pursued. In general, courses in this category include college-specific requirements for the Program of Study, program-specific requirements for the Program of Study, and elective courses that serve as a prerequisite for other courses included in the Major requirements of the selected program of study.
- Major requirements comprise a minimum of 25% of the total credit hours required to complete the Program of Study although each Program of Study determines the number of credit hours required in this category. This category of degree requirements consist of a specified group of courses in a particular discipline(s) or field(s). A minimum of 50% of the courses included in the Major requirements must be at the 300+ level. A minimum of 50% of the credit hours used to satisfy the Major requirements must be taken at NDMU.

Major requirements may include a Concentration or Option, depending on the specific Program of Study addressed. A Concentration is an alternative track of courses within a Major or Option, accounting for at least 30% of the Major requirements. An Option is an alternative track of courses within a Major, accounting for 50% to 80% of the Major requirements. Specific requirements for the Concentrations and/or Options offered at NDMU may be found in the degree requirements explanation for a specific Major.

Students pursuing a Major cannot earn a Minor in the same field simultaneously or subsequent to the Major, if it has been previously earned. Similarly, students pursuing a Minor cannot earn a Major in the same field simultaneously or subsequent to the Minor, if it has been previously earned.

Some degree Programs of Study include additional requirements such as satisfactory performance on one or more assessments, licensing examination scores, completion of an internship or capstone experience, or other elements included in the Program. Specific requirements may be found in the appropriate section of the catalog describing a specific Major. For majors leading to professional licensure and out-of-state licensure standards, please refer to the compliance disclosure page on the University Website for specific programs of study (https://www.ndm.edu/about-us/consumer-information/professional-licensure (https://www.ndm.edu/about-us/consumer-information/professional-licensure)).

A student graduates under the General Education Requirements and Major Requirements that are in effect at the time of matriculation (see Catalog Year).

Student Responsibilities

Students are expected to familiarize themselves with the Undergraduate Catalog and satisfy all published degree requirements. Failure to do so does *not* provide a basis for exceptions to academic requirements or policies. Students will receive assistance from advisors, but students must assume full responsibility for completing published degree requirements.

Students must fulfill the following requirements:

- Complete a minimum of 120 credits in the areas of General Education studies, Other (elective) requirements, and Major requirements;
- Earn a minimum of 30 credits in graded coursework at NDMU. This policy applies to all students, including transfer students. To earn Honors at graduation, students must complete a minimum of 60 credits in graded work at NDMU. This excludes all credits earned in Pass/Fail courses including internships, petitioning for credit and standardized testing;
- Earn their final 30 credits in coursework at NDMU;
- Maintain a minimum CGPA of 2.0 in all courses taken to complete the requirements of the Major. Departments may designate courses within the Major in which students must receive a minimum grade of C. All transfer students must complete a minimum of five courses in the Major discipline at NDMU, regardless of the number of credits accepted in transfer; and
- Complete NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar with a passing grade. This graduation requirement applies only to students who matriculate as first-time Traditional Undergraduate College students and transfer students who enter with fewer than 12 credits.

General Education - Empower and Engage: Liberal Arts in the 21st Century

The purpose of the General Education curriculum is to provide a coherent yet broad intellectual experience of study in the liberal arts tradition. Liberal arts courses allow students to develop the skills that are highly sought after by employers: critical thinking, complex problem solving, creativity, and written and oral communication.

Empower and Engage courses have been designed to inspire a free spirit of inquiry through observation, analysis and reflection proper to all intellectual work regardless of academic major. Students will have the opportunity to engage in Service Learning through NDMU 100 or NDMU 200, as well as additional opportunities for Experiential Learning in other Gen Ed and major courses. Experiential learning is not just about learning by doing, but it involves purposeful reflection so that the student gains insight into their view of the world and themselves. Experiential learning may include a second service-learning course; general career exploration internships; practicum assignments within the major; clinical work or School-designated professional internships; independent research; or short-term and semester-long study abroad. All Traditional Undergraduate College students will participate in at least one experiential learning opportunity before they graduate.

Through the study of the history of ideas, the value of human knowledge, the interrelatedness of the matters and methods of the academic disciplines, and the practice of clear communication and critical thinking, the student is led into the worlds of serious thought and scholarship where they will explore questions concerning the nature of person and knowledge, the nature of society and human institutions, as well as the nature of the natural world and God.

Empower and Engage Learning Outcomes

Empower and Engage: Liberal Arts in the 21st Century courses are developed around 6 broad areas of thought and study:

- ***Thinking Critically and Analytically*** **(7 credits/2 courses)**
  - **Students will evaluate and interpret information; examine and defend arguments; and think constructively and critically to solve real life problems**

  Communicating Creatively and Effectively **(9 credits/3 courses)**
  - **Students will develop proficiency in written and oral communication and artistic expression across disciplines**

  Investigating through Scientific and Quantitative Reasoning **(7-8 credits/2 courses)**
  - **Students will analyze and produce quantitative or symbolic models; select and employ quantitative methods to solve applied problems; use scientific methods to investigate questions in the natural world; evaluate scientific arguments based on their data, methods and assumptions, and pose evidence-based solutions**

  Pursing Meaning, Purpose and Well-Being **(7 credits/3 courses)**
  - **Students will develop and evaluate their ethical values, explore spirituality and faith, and embrace strategies and practices promoting holistic wellness**

  Understanding and Valuing Diverse Identities and Perspectives **(9 credits/3 courses)**
  - **Students will develop a global mindset and language skills that help them operate comfortable across borders and cultures; and will analyze the impact of diversity (in particular, race, ethnicity, religion, and gender) on the individual and society**

  Becoming an Engaged Citizen **(3 credits/1 course)**

- **Students will cultivate civic commitment as global citizens; develop tools of engagement to assess and act on 21st century issues; and engage in teamwork in the service of engaged citizenship**

Course Requirements

To ensure a solid foundation of general knowledge and a broad liberal arts background, NDMU requires students to take approximately one-third of their coursework in Engage and Empower courses. In areas where students have options to select from approved classes offered by more than one department, students will be advised that their selections in these areas must satisfy the following additional requirements over the course of their General Education studies:

1. One course in a social and behavioral science designation
2. One course with a fine art[s] designation
3. One course with a history designation
4. One course with a literature designation
5. One 200 level or higher RST or PHL course.

Thinking Critically and Analytically **(7 credits/2 courses)**

- One 4-credit First Year Seminar (NDMU 100 and lab) for first year Traditional Undergraduate College students; an alternative Collegiate Seminar (NDMU 200) for transfer and adult students
- One additional approved course in this area

Communicating Creatively and Effectively **(9 credits/3 courses)**

- One written communication course (ENG 101)
- One oral communication course (COM 106)
- One artistic expression course

Investigating through Scientific and Quantitative Reasoning **(7-8 credits/2 courses)**

- One 4-credit science course
- One quantitative reasoning course

Pursing Meaning, Purpose and Well-Being **(7 credits/3 courses)**

- One religious studies course (RST 105)
- One philosophy course (PHL 201)
- One 1-credit Wellness course

Understanding and Valuing Diverse Identities and Perspectives **(9 credits/3 courses)**

- One foreign language course at the 102 level or above
- One intercultural course
- One diversity course

Becoming an Engaged Citizen **(3 credits/1 course)**

- One approved course

Important Requirements for Courses

No course taken may be used to meet more than one of the "course requirement" groups.

No courses may be used for the major (except toward completion of a second major or a minor).

Native speakers who are bilingual should consult with the Chair of the Language Department (Dr. Rachel Burk) for guidance regarding the language requirement:

Non-Native Speakers of English
International students may fulfill the General Education Foreign Language Requirement in one of three ways:

TOEFL Exam: At entrance, provide evidence of a score of 550 or higher on the TOEFL exam, or 213 or higher on the TOEFL: BT Test or 80 or higher on the IBT Test.

Language Department Placement Exam: At entrance, score on the advanced level on all parts of the language department's English Placement Test.

Language Department Placement Exam: Complete LEF-203 (http://catalog.ndm.edu/courses/list/index.php?dept=LEF#<a class=)">LEF-203 (https://catalog.ndm.edu/courses/list/index.php?dept=LEF#LEF-203), LEF-204 (http://catalog.ndm.edu/courses/list/index.php?dept=LEF#<a class=)">LEF-204 (https://catalog.ndm.edu/courses/list/index.php?dept=LEF#LEF-204), LCL-331 (http://catalog.ndm.edu/courses/list/index.php?

dept=LCL#<a class=)">LCL-331 (https://catalog.ndm.edu/courses/list/index.php?dept=LCL#LCL-331) or LCL-332 (http://catalog.ndm.edu/courses/list/index.php?dept=LCL#<a class=)">LCL-332 (https://catalog.ndm.edu/courses/list/index.php?dept=LCL#LCL-332), based on the results of the English Placement Test.

All departments will designate a course within the major that will satisfy the Technological Competency requirement that will be assessed as part of General Education assessment.

***Students must complete one credit in physical education to fulfill the requirement. Only three credits in physical education (PE) may be applied to the required graduation total of 120. Students who successfully complete one season of intercollegiate sport competition as a member of a Notre Dame athletic team may apply for a one-time waiver or a one-time PE credit toward the physical education requirement.*

Distance/Online Learning

Distance Learning is a formal educational process in which the majority of instruction (interaction between instructors and students) occurs when students and instructors are not in the same physical location. Distance Learning courses may employ the internet, broadcast, audio, video, or recordings. Instruction may be asynchronous or synchronous. NDMU designates online courses through section codes that include OL or section numbers 90 through 99. Online courses are facilitated on Brightspace.

Asynchronous Learning uses online learning resources to facilitate instruction outside the constraints of time and location, meaning students may take courses to accommodate their busy schedules. Asynchronous course content at NDMU is available through Brightspace learning management system (LMS). Distance Education online degree programs and their courses are generally asynchronous.

Synchronous Learning refers to instruction that occurs at a designated class time through synchronous tools such as Adobe Connect, WebEx, Zoom, and Skype. Synchronous instruction requires students to attend web-based classes on a regular schedule.

To protect the integrity of its educational courses and programs, the University takes measures to ensure a student awarded academic credit is the same student who successfully completes course requirements. Students enrolled in any distance learning course may be required to participate in authentication methods such as: a) secure login and pass code; b) proctored examinations; or c) new or other technologies and practices that are effective in verifying student identification. There may be additional charges associated with proctored examinations or other verification processes. If applicable, this authentication requirement and associated fees will be clearly stated on the course syllabus or registration materials.

To learn more about online learning at NDMU or to view lists of online degree programs and courses, please visit NDMU Online (https://online.ndm.edu).

Eligibility to Represent the University

No student will be permitted to represent the University unless she/he is classified as a full-time student. Students may participate as members, substitutes, or officers so long as they are enrolled for at least six semester hours unless otherwise indicated by a particular unit or organization. Organizations may include dramatic, literary, musical or other types including Student Government.

Final Exam - Conflict Resolution

When a student is scheduled for more than one final examination in one exam period, the student may request rescheduling of one of the examinations through his/her Dean. If one of the exams is a group final exam, then attempts to reschedule non-group exams should be made first. The Dean, Department Chair, and faculty member will make every effort to accommodate the student when such a request is made. Final examinations for classes meeting at times other than those posted by The Registrar's Office will be scheduled during the week of finals at a time agreed upon by the faculty member and students. The Registrar's Office in conjunction with the Office of Academic Affairs are the final authority should agreements not be reached at the departmental level.

General Education (Core) - Assessment

Educational assessment is the systematic collection, analysis, and use of data related to academic programs. The General Education Assessment is designed to measure the extent to which students have attained those competencies identified by the university. Data collected will be used for program improvement purposes rather than determination of individual student progression through a program of study. Participation in assessment activities related to general education goals is a requirement for all undergraduate students.

Grade Reports

The University reports grades at the end of each semester for all students. Only the grades reported at the end of the semester (final grades) are used in the computation of the student's Grade Point Averages and Academic Standing. Mid-term grades are given for Traditional Undergraduate College students and are simply an indication of a student's progress.

The University does not mail final grade reports. Students may access their grades through Self-Service.

Graduation

The University awards degrees and certificates in May, August and December. A Commencement ceremony is held once a year in May. Students must complete all degree requirements and apply for graduation by the published due date. All graduating students for the academic year (August, December and May) are invited to participate in the May ceremony.

Graduation Requirements

A student must meet all the requirements for a degree in their Catalog. A student is assigned their Catalog (by year) corresponding to their acceptance to the University. All undergraduate degrees at NDMU require a minimum of 120 credits. A student who withdraws, or is withdrawn from the institution (either voluntary or by compulsion) is assigned a new Catalog (by year) upon readmission to the University. A student may elect to change their Program of Study/Major at any time during their academic tenure (with the exception of thier final semester); their Catalog (by year) will not change. Students may not change their Major, Minor, Concentration, or Option in the term of their graduation. Students may not graduate in the term they are accepted.

There are several requirements which must be completed by all students prior to graduation.

The student must:

1. Complete all academic requirements for a degree based on their Catalog. This includes the General Education requirements, Other requirements, and Major or Minor requirements of the particular Program of Study in which the student is enrolled;
2. Attain a minimum Cumulative Grade Point Average of 2.0 (note: some Programs of Study require a higher minimum Cumulative Grade Point Average or a minimum Grade Point Average for the Major requirements);
3. Ascertain, through the College of the Major, that her/his academic record is accurate and complete. This should be done not later than one semester prior to graduation;
4. Submit an application to the Registrar's Office by the published deadline. The student will be required to make this formal application and state the exact name to appear on the diploma;
5. Pay the graduation application fee. A student who has previously paid a diploma fee, but who failed to graduate at the time expected, must re-apply and pay the diploma fee again;*
6. Satisfy all assessment requirements associated with the student's Program of Study;
7. Satisfy all financial indebtedness to the University cleared prior to graduation; and
8. Complete an exit interview for Financial Aid, if applicable.

*on occassion a graduation application maybe moved to the next semester for graduation and the previoulsy paid fee is advanced and credited toward graduation fee.

A student who does not follow and complete the above requirements and procedures will not be allowed to graduate.

Graduation - Application

All students must file a Graduation Application (http://www.ndm.edu/registrar/graduation) with the Registrar's Office to initiate the graduation process. **This application is required irrespective of the student's intent to participate in the Commencement Ceremony.** Filing a Graduation Application will initiate a formal review of credits and requirements by the both the School and Registrar's Office staff. Students earning a certificate must also file a Certificate Completion Application with the registrar's office to initiate the formal review of earned credits. Both forms are available on the website.

The deadlines for submitting this Application are as follows:

May Commencement ..... October 15

August Commencement ..... April 15

December Commencement ..... June 15

Failure to submit the Application by the above published deadline will result in postponement of the conferring of the degree until the next graduation period.

The NDMU Commencement Ceremony is held each May. All August and December graduates are invited to participate in May Commencement Ceremony.

A Grade Point Average of 2.0 on a 4-point scale is required for graduates. Diplomas are withheld until the graduate's account is paid in full. Graduates may purchase tams, gowns and hoods at the campus bookstore.

A student with an outstanding financial obligation to the University will not receive their diploma or an official transcript until all obligations have been met.

Graduation - Honors

Degrees with Latin Honors are conferred to undergraduate students who achieve the following Grade Point Average based on work at Notre Dame of Maryland University:

3.90 for the distinction	*Summa Cum Laude*
3.70 for the distinction	*Magna Cum Laude*
3.50 for the distinction	*Cum Laude*

To earn Honors at graduation, students must earn a minimum of 60 credits in graded coursework at NDMU. This *excludes credits earned in Pass/Fail* courses (including standardized testing, petitioning for credit and transfer).

Because Latin Honors are not conferred until degrees are earned, those honors identified in the Commencement Program for May graduates are anticipated based on the student's last term prior to the term of their graduation.

Graduation - Commencement Ceremony Participation Policy

Undergraduate students within two courses of completing their requirements toward their degree may ask permission to participate in Commencement. Requesting students must be in Academic Good Standing. They must also demonstrate their remaining coursework can be completed at NDMU in time to fulfill requirements for August graduation. Students seeking credit through the College Level Examination Program (CLEP), Excelsior College Examinations, NDMU challenge exams or petitioning for any other credit must provide documentation of successful completion of these credits before the end of the spring semester preceding Commencement. Students may not participate in Commencement with CLEP, Excelsior, challenge exam or petitioned credits pending.

Students requesting permission to participate in the Commencement Ceremony before completing graduation requirements must submit their request, along with the Graduation Application, **no later than February 15** to the Associate Vice President for Academic Affairs. The Associate Vice President for Academic Affairs will consider the request and deny or approve it. No appeal is permitted. For students granted the right to participate, announcement of their names in the Commencement Program will be followed by an asterisk indicating an anticipated, later graduation date. Since Latin Honors are not conferred until degrees are earned, there will be no Latin Honors noted in the Program for students participating in Commencement before degree completion.

Graduation Requirements - Earning two degrees simultaneously at NDMU

Students who wish to earn two baccalaureate degrees at NDMU simultaneously may do so, provided the Majors have different degree designations (e.g., Bachelor of Arts, Bachelor of Science, etc.) and they:

1. Complete all requirements for both degrees;
2. Meet all quality point average and grade requirements applicable to both degrees;
3. Develop degree plans with both colleges if the two degrees being sought are in different Colleges;
4. Meet the requirement for each degree Major (typically, the last 30 or 25% of the earned credit hours must be taken at NDMU – students should check with their College for specific requirements); and
5. Students cannot declare a Minor in the area in which the other baccalaureate is being earned.

Graduation Requirements - Residency

For all undergraduate students, the last 30 credits must be taken at NDMU. A transfer student or a student who enters with advanced standing from another university and becomes a candidate for a bachelor's degree at NDMU must fulfill a minimum requirement of two semesters (Fall, Spring or Summer) at NDMU and must earn at least 30 credit hours required for the degree through instruction offered by the University. A minimum of 50% of the courses included in the Major requirements in a NDMU Program of Study must be taken at Notre Dame University Maryland. No credit earned at a community or junior college may be used for credit at the 300 or 400 course level unless the course is specificaly designed as part of an Official Articulation or Memorandum of Understanding between institutions. Additional restrictions may apply.

Graduation Requirements - Substitutions and Waivers of Degree Requirements

A substitution is defined as a course that is outside of the prescribed curricula that is used to substitute for a course that is within the prescribed curricula. At NDMU, no more than five (5) courses may be substituted at the Major level within a prescribed curriculum.

A waiver is defined as an exception to a required Program of Study component. In addition, some Programs of Study require external benchmarks such as meeting a minimum score on a required test and/or other courses or series of courses to satisfy a particular Learning Objective. Students are encouraged to discuss any deviation of prescribed coursework with their advisor. Waivers of degree requirements must be approved by the Academic Advisor, the Dean of the College, and the Associate Vice President for Academic Affairs. A Waiver does not waive credit hour requirements toward total credits required for Graduation (e.g., 120). Waiver and Course Substitition Forms are available on the University Registrar's Website.

Honor Societies

Membership in the following honor societies is open to students whose academic performance in the subject area is outstanding.
Alpha Phi Sigma National Criminal Justice Honor Society.
Beta Beta Beta National Biological Honor Society (Alpha Xi Chapter).
Delta Mu Delta National Honor Society in Business Administration (Epsilon Rho Chapter).

Eta Sigma Phi National Classical Honor Society (Beta Kappa Chapter).
Kappa Delta Pi International Honor Society in Education (Phi Xi Chapter).
Kappa Mu Epsilon National Mathematics Honor Society.
Phi Alpha Theta National History Honor Society (Nu Pi Chapter).
Phi Beta Delta International Honor Society (Epsilon Iota Chapter) for promoting international understanding.
Pi Sigma Alpha National Political Science Honor Society (Alpha Delta Nu Chapter).
Phi Sigma Iota International Foreign Language Honor Society (Epsilon Zeta Chapter).
Psi Chi National Honor Society in Psychology.
Sigma Tau Delta National Honor Society in English.
Sigma Theta Tau International Honor Society in Nursing (Mu Eta Chapter).
Theta Alpha Kappa National Honor Society for Theology and Religious Studies.
Theta Sigma Pi Association for Women in Communications, Inc.

Membership in two national Catholic honor societies is open to Notre Dame students, one for juniors and one for seniors. Only those students with a cumulative GPA of 3.5 or higher are eligible for nomination. Membership is determined by faculty vote. These societies are:
Delta Epsilon Sigma National Scholastic Honor Society (Alpha Delta Chapter) and *Kappa Gamma Pi* National Honor Society for Graduates of Catholic Schools.

Membership in *Alpha Sigma Lambda* (Delta Chi Chapter), a national honor society for continuing higher education students, is open to the top 20 percent of adult matriculants who have completed a minimum of 30 course credits at Notre Dame. At least 12 of these credits must be in the liberal arts/sciences and outside the student's major field. Students must have a cumulative grade point average of 3.5 or higher.

Independent Study, Internships, and Academic Service-Learning

Independent Study

Most academic departments allow students to complete an independent study project in their discipline under the guidance of a full-time faculty member of the department. This project is a serious commitment by a student to explore a topic or area not covered in a course taught at the University. Students with junior or senior status may enroll in an independent study course. Independent study courses require the completion of the Independent Study Authorization Form. The Form is available in the Registrar's Office. The Form must be completed with the details of the project and signatures of the student, faculty supervisor, and advisor. The Form must be submitted with the Course Registration and is subject to the approval of the academic advising counselor.

Internships

Internships broaden the undergraduate experience, add a valuable off-campus dimension to learning, and complement and enhance classroom and laboratory instruction. These individually-designed study experiences provide an opportunity for students to test their interests, explore various career options, and acquire professional work experience. Credit-bearing internships may be taken any semester (fall, winterim, spring and summer). They are available to students in every Major and placements can be arranged in almost every occupational field. Out-of-state and international internships also can be arranged. An internship may be taken as early as the summer after a full-time student's first year or after earning 30 credits as a part-time student.

In order to enroll in a credit-bearing internship, students are required to attend an internship orientation, obtain the academic advisor's approval, register for the internship, and submit an Internship Application the semester prior to the internship experience. Students may earn up to 12 internship credits.

Academic Service-Learning

Academic Service-Learning at NDMU integrates academic coursework with community service, thus enriching the learning process for students and contributing valuable resources to the greater Baltimore region. Service-learning provides opportunities for students to apply theories learned in class in practical settings. Service-learning courses are available in multiple disciplines and programs.

Leave of Absence

Matriculants may request a Leave of Absence for up to one academic year with permission from the academic advisor. A Leave of Absence is a temporary interruption in a student's Program of Study. It may be requested only by students who intend to return and complete their studies. NDMU's Leave of Absence policy does not meet guidelines established by the US Department of Education and is therefore not officially recognized by the Office of Financial Aid. A student who is on leave maintains status as a matriculant and therefore is not eligible to earn credit at another college during the absence from NDMU.

Military Leave of Absence

When a student in the U.S. Reserves or in the National Guard is called to active duty or when an international student is called to active duty in his or her home country, the student must notify the advisor and provide proof of deployment prior to being deployed. The proof may be emailed, mailed, or hand-carried to the OAVPSL, which will ensure that the information is valid and conveyed to the registrar’s office. It may take the form of general orders cut by the company commander.

When a student is activated during the semester, the university will:

- Excuse tuition for that semester. Any payment made will be credited to the student's account.
- Post a leave of absence for the semester to hold a place for the student when he or she returns.

If a student is called to active duty near the end of the semester, the student and faculty members may determine that incomplete (I) grades are more appropriate. In this case, tuition will not be waived.

When a student returns to the university after completion of the tour of duty, he or she will notify their advisor, which will in turn notify the registrar's office. The advisor will assist the student with reentry and registration.

Lower Division Courses

Lower Division Courses are those courses at NDMU taught primarily at the Freshman and Sophomore level. These courses are generally identified in the course numbering rubric as '100' or '200' level.

Matriculant Status

A Matriculant is a student who has been officially admitted by the University as a candidate for an academic credential. Matriculants are guaranteed that NDMU will provide the courses required to fulfill the requirements for the credential. In order to maintain matriculant status, a student must maintain consistent enrollment. The Catalog (Catalog Year) in effect when a student matriculates contains the policies and requirements under which the student must satisfy to graduate.

Non-Matriculant Status (College of Adult Undergraduate Studies)

An individual registering/enrolling in courses without applying for admission to the University may do so as a Non-matriculant. A Non-matriculant may take courses for credit or audit. The same tuition and fees apply to Non-matriculants as to Matriculants. A Non-matriculant may accumulate no more than 18 undergraduate credits from NDMU; at this point, they must seek admission and matriculate as degree-seeking students. Academic advisors are available for non-matriculants who need assistance with course selection planning. Students taking courses as non-matriculants are not eligible for financial aid.

Maximum and Minimum Work

The normal full time student schedule in a regular semester should range between 12 and 18 credits. The normal freshman schedule in a regular semester should range between 12 and 15 credits. Short sessions, Session A or Session B in any given full term (Fall, Spring, or Summer), contain courses offered on compressed timeframe and students should be aware there is an advanced pace in a compressed format. Students are encouraged to consult their academic advisor to determine a course load that best meets their academic preparation. Students with an at-risk Cumulative GPA may be advised to limit their academic load to fewer than 15 hours. Students on Academic Probation are limited to enrolling in 13 hours in Fall or Spring semester and 7 hours in Summer.

Students may enroll for more than 19 semester hours of courses only with permission of their Dean and provided they have maintained an overall 3.0 (B) Cumulative Grade Point Average and have not fallen below a grade of C in any subject during the preceding semester; but in no case will any student be permitted to register for more than 21 credit hours of degree credit. Students who register for fewer than 12 credit hours or drop below 12 credit hours of work (6 in the summer session) will not be considered full-time.

In the Summer term, six semester hours is the minimum full-time load, and the maximum load permitted is 12 semester hours. In the Session A or Session B, students may enroll in up to 6 hours.

Maximum time towards degree on Catalog

The maximal period of time for which the provisions of any Catalog may be considered valid is 7 years. Students who began a degree program seven or more years prior to the date of their anticipated graduation must consult their academic dean to determine which Catalog must be followed.

Military Service Mobilization/Activation

Notre Dame University Maryland is committed to supporting its students qualifying for institutional services because of mobilization or activation. Students called to active duty or mobilized for any reason should contact the Office of Veteran's Affairs (even if they aren't receiving VA benefits) for information and further instruction.

Minors

A Minor is that part of a Degree program which consists of a specified group of courses in a particular discipline or field, consisting of a minimum of 15% or more of total hours required in the Program of Study. A minimum of 50% of the courses included in the Minor requirements must be at the 300+ level. A minimum of 50% of the credit hours used to satisfy the Minor requirements must be taken at NDMU.

Off-Campus Study



A student who has been accepted at Notre Dame and is a matriculant may not take courses at another college without prior permission. Students who wish to study at another accredited college must file an off-campus permission form and receive approval from the academic advisor and the Dean before registering for courses. Courses taken off campus may be taken for elective credit only.

A student may not take courses from other colleges during the regular academic year if Notre Dame offers or will offer the course during the student's enrollment at NDMU. Approved courses with a grade of "C" or higher will be considered for transfer credit.

Placement Testing

Entering Traditional Undergraduate first year students, and transfer students without an Associate's degree, will take placement tests in Math, English, and Language before registering for their first semester courses. These tests may be administered online prior to the student's first semester or during Orientation of the first week of classes. These tests are required, and results will be used for first year course placements. Students wishing to submit AP, SAT, or ACT test scores may request to waive taking placement tests.

Registration

Registration - General

New students plan their courses and register in consultation with an academic advisor prior to the beginning of their first semester. New part-time students must make an appointment with their academic advisor to obtain information on the Program of Study they plan to pursue and have transfer credits reviewed. Once these procedures are completed, new part-time Traditional Undergraduate College and College of Adult Undergraduate Studies (CAUS) students are eligible for registration.

A student's NDMU email account is the primary vehicle for communicating administrative or transactional information to students. See the Academic Calendar for registration deadlines. Registration may be done online or in person. Confirmations of registration are found on the student's Self-Service account. Copies of schedules are not sent to students via mail.

A registration fee must be paid at the time of registration. A complete bill is generated for all students upon registering for courses through their student portal, Self-Service. Bills are not sent to students and must be reviewed and verified through their student portal, Self- Service. It is imperative students check their NDMU email regularly to make sure they do not miss deadline dates for payment, registration, drop/add, withdrawal or graduation. Payment of fees and tuition is due approximately one month before the start of the full term start date for each term.

No one may register in any semester, summer session, or winterim after the official registration period indicated in the Academic Calendar. The University does not guarantee that during a given semester a student will be able to schedule every class which she/he might be required to take or wish to enroll. No student will be permitted to remain in class unless the instructor has received evidence of proper registration.

Registration - Adding Courses for Credit

Courses may be added for credit only during Registration (Drop/Add) period for a given term. Students are required to monitor the official Academic Calendar for all dates surrounding registration changes and charges associated with these changes.

Registration - Auditing Classes

Regularly enrolled students at NDMU may audit a class by obtaining written permission from the Chair of the Department in which the course is taught and the Dean of the College in which they are enrolled. Others must obtain official admission to the University in addition to obtaining permission, as indicated. The fee for auditing a course is the same as for enrolling for credit. Auditing fees are not refundable.

Once a student has audited a course, they will not receive university academic credit by any means of advanced standing, examination, or advanced placement on previously audited work. Students are allowed to enroll and receive academic credit for previously audited work by enrolling in the course for academic credit.

Students are not allowed to Audit courses in which they previously earned academic credit.

Students may not change from audit to credit after the last day to add a course. With permission of their Dean, they may change from credit to audit within the first 15 class days of the semester (7 class days in the summer).

Registration - Changing Sections

Section changes, if permitted, are subject to the same time limitations as the adding or dropping of courses. A section change requires dropping and adding a course and therefore falls under the same fee structure. Please consult The Catalog (http://catalog.ndm.edu/2018-2019/undergraduate-catalog/tuition-and-fees-undergraduate-catalog) (http://www.uno.edu/registrar/bulletin/bulletin.aspx)for charges associated with dropping and adding courses.

Registration Concurrent Registration

A student registered at NDMU may not automatically receive degree credit at NDMU for any work taken concurrently at another college or university or by correspondence study. Any work taken concurrently at another college or university would be subject to NDMU's transfer articulation policies and evaluation criteria. Students must complete a Request for Off Campus Study form and obtain the rquired signatures before seeking concurrent enrollment.

Registration - Dropping Courses

Courses may be "dropped" during the Registration, Drop/Add period for a given term. (http://catalog.ndm.edu/2018-2019/undergraduate-catalog/academic-calendar-undergraduate-catalog) Students are required to monitor the official Academic Calendar (http://catalog.ndm.edu/2018-2019/undergraduate-catalog/academic-calendar-undergraduate-catalog) regarding scheduling dates and their particular access to registration via their Self-Service portal. Students should be aware there are differing dates and associated fees for registration actions (adding vs. dropping vs. auditing courses). Please consult The Catalog (http://catalog.ndm.edu/2018-2019/undergraduate-catalog/tuition-and-fees-undergraduate-catalog) for charges associated with dropping and adding courses.

Students should be aware there could be financial aid implications for dropping a course. (http://catalog.ndm.edu/financial-aid/policies/courses-dropping) Students are encouraged to contact the Office of Financial Aid before dropping courses.

Students will not be allowed to drop a course after the published end date. (http://catalog.ndm.edu/financial-aid/policies/satisfactory-academic-progress) Students who fail to drop courses by the published final date for such action will be retained on the class rolls even though they may be absent for the remainder of the semester.

A student may be dropped, at the discretion of the Dean of the College, from any course for which the student is ineligible.

Failure to attend class does not constitute a course drop. Withdrawn courses reduce a student's enrolled hours, but not the student's financial obligation (see section on Withdrawal from the University).

Requirements for All First-Time Full-Time Freshman

All first-time full-time freshmen are required to enroll and successfully pass in NDMU 100 during their first year of enrollment.

All students having earned less than 30 credit hours are required to be advised by their Academic Advisor. Students are encouraged to meet with their college Advisor at their earliest convenience.

Penalty for Non-Payment of Tuition

Students who do not complete payment of tuition by the date specified each semester may be withdrawn from the class at the discretion of the Business Office. Non-payment is not a means of dropping a class. Re-registration is possible before class begins, on a space available basis, with payment of an additional registration fee.

Change of Registration - exceptions

Changes in registration/enrollment must be made before the end of the Drop/Add Period. Once the Drop/Add Period is complete, students may not add a course or change sections of the same course.

To withdraw from a course after the Drop/Add Period, the student must do so on Self-Service or by completing a Course Withdrawal Form and obtain their advisor's signature, where needed. The completed form is filed with the Registrar's Office. The deadline for withdrawing from a course is published in the academic calendar. Students who stop attending class, and do not officially withdraw, will be assigned a grade of “F” and are financially responsible for the full tuition charged for the course.

Undergraduate students receiving federal financial aid must maintain 9 credits per semester to remain eligible for funding. Students receiving institutional scholarships or state scholarships or grants must maintain 12 credits per semester. Some State of Maryland Grants require students to complete 30 hours of credit per year. Students must visit the financial aid office before dropping below the required number of credits and before they withdraw from their last course in any term. It is the student's responsibility to follow financial aid guidelines.

Residency

Please see Graduation Requirements – Residency.

Roster/Enrollment Verification

At the start of each new semester and part of term within a semester, following add/drop period, all faculty assigned to courses that bear credits, are required to verify student enrollment and participation.

Roster/Enrollment Verification (REV) is a process for checking student enrollment in courses at the start of the semester and verifying their attendance. All students need to attend and participate in their courses within 24-72 hours of the course start date, or contact their professor to make attendance arrangements.

Roster/Enrollment Verification (REV) is tied to student’s eligibility for Federal financial aid and to ensuring there is not financial aid fraud taking place. In short, if students are not enrolled and attending classes, they are not eligible for Federal financial aid. Faculty should make sure student attendance is accurately verified on or before the REV deadline. If a faculty member verified attendance at the start of the REV period, they should double-check that all students’ attendance and participation has been accurately recorded on the last day to ensure they do not miss a student an recorded them inaccurately.

ROTC

The choice of military service as a profession is possible for Notre Dame full-time matriculants through participation in the Reserve Officers Training Corps (ROTC) Advanced Course program at Loyola University. Those students who successfully complete this program are tendered commissions in the United States Army Reserve. Students must register for ROTC courses through the Co-op Program (Registrar's Office). Details about the ROTC program, including scholarship information, are available from the office of military science at Loyola.

Statute of Limitations

In the absence of any designated time limits in documents on policies or procedures, the University imposes a time limit of one year for the initiation of any request for an exception to its rules or regulations.

Student Handbook

The Notre Dame Maryland University Student Handbook is an official student policy. The NDMU Student Handbook describes what is expected of a student with respect to behavior and conduct in the NDMU community and outlines the procedures to be followed when these expectations are not met. The Student Handbook includes the Code of Student Conduct as well as other rules, regulations, and policies governing student life. Please refer to the following site:

Notre Dame of Maryland University - University Student Handbook (https://www.ndm.edu/student-handbook)

Student Identification Card

Each student is issued a permanent identification card, including a photograph, and a student number. This card will be used for the entire duration of the student's enrollment at the University. The card is required for borrowing library books, cashing personal checks, admission to athletic and social events, selling used textbooks, Testing Services, meal plans, and other official purposes. Fraudulent use of the ID card is a violation of the Honor Code and will result in disciplinary action. The card is issued to the individual student and must not be loaned to another person for any reason. Any University official having just cause has the right to request that a student show the identification card for identification purposes. Upon such a request by a University official, the student is required to comply.

Student Status and Course Load - Full-Time/Part-Time Status

Full-time status requires an undergraduate student carry a minimum of 12 credits. Students carrying 12 or more credits are full-time and must pay full-time tuition. The normal course load for a full-time student is 15-18 credits during the fall and spring terms. A student who has permission from the academic advisor to carry an overload basis must pay the per credit fee for any credits 19 and over.

Students are limited to a maximum course load of nine credits during the summer term.

Students are limited to a maximum course load of four credits during the winterim term.

Students carrying 11 credits or fewer are part-time and pay tuition on a per-credit basis for all credits taken. The College of Adult Undergraduate Studies is a part-time program and is not designed to accommodate a full-time credit load.

Term Resignation

Term Resignation is reserved for students who, due to extenuating circumstances, need to withdraw from a semester after the end of the withdraw period and before the last day of the semester.

To determine eligibility for medical resignation please contact the Office of Accessibility and Health Promotions. Non-medical resignations may be presented to the School Dean.

Failure to attend classes does not constitute a resignation or withdraw. Resignation eliminates a student's enrolled hours, but not the student's financial obligations.

Caution: Withdrawing from courses may have an adverse effect on financial aid, scholarships, loan deferments, athletic eligibility, health insurance, veteran's benefits, degree requirements, or other areas. Students considering course drops or resignation should first check with their advisor, College, and Enrollment Services to determine if this is really their best option. (https://nam11.safelinks.protection.outlook.com/?url=http%3A%2F%2Fcatalog.ndm.edu%2Ffinancial-aid%2Fpolicies%2Fsatisfactory-academic-progress&data=05%7C01%7CSPrice%40ndm.edu%7Cda7f54bb79404fc8304208da76f2dfbc%7C23e76ce8053b4267b0d3b497df4bbaf8%7C1%7C0%7C637

Term/Semester Grade Point Average

A student's Semester/Term Grade Point Average is calculated by dividing the total number of quality points earned in the semester by the total number of hours attempted in the semester. (See Overview of the Undergraduate Grading System in this chapter for the quality points assigned to each final grade.)

Time Requirement

Most full-time students require completing 30 credit hours per academic year, four years to complete their Program of Study. Part-time students plan their own time-schedule for the degree. All students must complete their final 30 credits in coursework at NDMU.

Transcript of Record

The official permanent academic records for all NDMU students are in the custody of the Registrar's Office. Release of these records is protected by the "Family Educational Rights and Privacy Act'' (FERPA). Transcripts of the academic record may be secured by the individual personally or will be released on the student's written authorization. Transcripts cannot be issued until the student or former student has settled all financial obligations to the University and has submitted all required transcripts from other colleges attended. A fee will be charged for each copy of the transcript.

University Closures

If the University must close due to unexpected circumstances, faculty and students will have to make up missed class and laboratory time. In some circumstances resulting in closure of the University, the Provost will determine how classes will be made up. In other circumstances, the methods for making up missed classes and laboratories will be with extra assignments and readings, additional days of class or laboratory, additional class time, or in other manners to be determined.

University Discipline

Notre Dame Maryland University expects of its students a high degree of honor in all phases of college life. It is the responsibility of all students to familiarize themselves with the rules and regulations governing student conduct as published whether in print or on the web, in the NDMU Student Handbook (https://www.ndm.edu/student-handbook)and other official publications.

The authority structure for administrating the judicial code is the President, through the Associate Vice President for Student Life and Dean of Students to the Associate Dean for Inclusion and Community Standards. Please refer to the NDMU Student Handbook (https://www.ndm.edu/student-handbook)for more details.

University Success (NDMU Course)

NDMU 100 is a letter-graded course required for all first time full time freshman. Students will meet in groups led by an experienced faculty or staff member and a peer mentor (an experienced student) for an in-depth review of skills and issues relevant to academic and personal success at the University. Topics include time management, effective note-taking and test preparation, campus diversity, and university resources. Enrollment is restricted to students with less than 30 hours of credit only. Enrollment is optional for transfer students within their 30 hours of credit at NDMU.

Upper Division Courses

Upper Division Courses are those courses at NDMU taught primarily at the Junior and Senior level. These courses are generally identified in the course numbering rubric as '300' or '400' level.

Visiting Students

NDMU allows individuals to enroll as non-matriculants in a non-credential-seeking status. These are students who have not been formally admitted to the university as credential-seeking candidates but who are registered for courses either part-time or full-time, for academic credit, or for audit. These individuals may accrue no more than a total of 18 academic credits. Non-matriculants in specified, approved graduate Programs of Study (certain Certificate Programs of Study) are eligible for financial aid; however, students should consult with their Academic Advisor and the Office of Financial Aid for further details.

Non-matriculants must apply to NDMU upon completion of no more than 18 credits.

Winterim

This accelerated mini-term is offered at the begining of January and provides unique opportunities to explore new educational experiences by concentrating on one course, traditional or non-traditional. During Winterim, students may:

- Take traditional courses in a concentrated form, allowing the student to focus in depth on one body of subject matter;
- Gain work experience through an internship or practicum;
- Explore and analyze aspects of our own or other cultures through travel; and
- Engage in independent study or research.

Winterim registration is limited to a maximum of four credits. Credit earned during Winterim is applied to the required number of credits for graduation. Attendance at every class is required because of the concentrated format of the Winterim sessions.

Withdrawing from the University

The University reserves the right to request at any time the withdrawal of a student for reasons of poor scholarship or unsatisfactory conduct or non-attendance. Students who voluntarily withdraw from the University must submit an institutional withdrawal form. An institutional withdrawal can only be processed after a student has been dropped, withdrawn, or graded for all registered sections.

Accessibility and Health Promotion

You Belong Here!

The Office of Accessibility and Health Promotion delivers services designed to assist students in maximizing successful participation in college life and in promoting their well-being--academically, socially, emotionally, spiritually and physically.

Services and resources include:

- **Accessibility and Disability Support Services** (http://www.ndm.edu/student-life/accessibility-and-health-promotion)**:** We are committed to supporting equal opportunity access for those with disabilities.
- **Health & Wellness Promotion:** (http://www.ndm.edu/student-life/health-wellness-promotion)We offer education, activities and Student Health 101 (http://readsh101.com/ndm.html) resources that encourage making healthy choices and building positive habits.
- **Health Services:** NDMU offers a University-sponsored student injury and illness plan (http://www.ndm.edu/student-life/health-wellness/university-sponsored-student-injury-and-

illness-plan).

Notre Dame of Maryland University is committed to providing reasonable accommodations and equal access to its programs and services for people with disabilities in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990.

Procedures to Register for Disability Support Services

1. Appointment

Make an appointment with the Director of Accessibility and Health Promotion to discuss your request to register with Disability Support Services. It is the responsibility of the student to initiate the appointment. It is recommended to schedule with the Office of Disability Support Services several weeks before classes begin.

Request an appointment here: http://www.ndm.edu/content/accessibility-and-health-promotion-appointment-request (http://www.ndm.edu/content/accessibility-and-health-promotion-appointment-request)

Call directly at 410-532-5401

2. Documentation

Submit documentation of your disability from a certified professional or medical provider.

Services can be accessed when a student provides the Director of Accessibility and Health Promotion with documentation from a certified professional (e.g. director of special education, audiologist, psychologist, licensed counselor, physician) that describes the specific disability. The student will be asked to provide the most current documentation of the student's disability. Students requesting accommodations must have a disability as defined by Section 504 of the Rehabilitation Act and the Americans with Disability Act (ADA). If the student does not have sufficient documentation, the student may be requested to seek further evaluation/documentation from a certified professional. This information must be sent or provided directly to the Director of Accessibility and Health Promotion. All shared information is confidential.

For specifics and further details on documentation guidelines please visit:
http://www.ndm.edu/student-life/accessibility/documentation-guidelines
(http://www.ndm.edu/student-life/accessibility/documentation-guidelines)

3. Meet

Meet to discuss accommodations; after the submission of paperwork (http://www.ndm.edu/node/35801), the student will be contacted by the Director of Accessibility and Health Promotion to schedule a meeting to discuss accommodations through an interactive process. An appropriate accommodation plan will be developed to share with professors.

An accommodation must be considered reasonable. An accommodation is not considered reasonable if:

- It is a direct threat to the health or safety of other; or
- It is a substantial or fundamental change in an essential element of curriculum or there is a substantial alteration in the manner in which services are provided.

Examples of services offered may include but are not limited to the following:

- Alternative testing arrangements as needed (e.g. extended time, use of a computer, distraction-free environment)
- Scribe for notes
- Access to recorded books
- Audio capture of lectures
- Interpreting services
- Referral to appropriate services
- Assistive technology
- Accessible housing
- Advocacy
- Counseling
- Meal plan accommodations

4. Receipt of Accommodation Letters

The student obtains accommodation letters and submits the letters to professors. It is the student's responsibility to share the accommodation letter with appropriate faculty members. The Director of Accessibility and Health Promotion, Office of Disability Support Services, will consult with instructors on an as needed basis to provide clarity regarding auxiliary supports/services and accommodations. The discussion of student auxiliary supports/services and accommodations with faculty focuses on the appropriate implementation of said accommodations in the classroom; the nature of a student's disability is not disclosed and remains confidential.

5. Responsibilities

It is the student's responsibility to make an appointment with the Director of Accessibility and Health Promotion each semester to request and develop a current accommodation plan. Reasonable accommodations will not be provided without an updated letter each semester and reasonable accommodations are not retroactive.

For specifics and further details on auxiliary supports/services and accommodations please visit: http://www.ndm.edu/student-life/accessibility-and-health-promotion (http://www.ndm.edu/student-life/accessibility-and-health-promotion)

Following the submission of accommodation letters to faculty, the following should be noted:

- If a student's reasonable accommodation is for a note taker, it is recommended the student let the instructor know as early as possible. DSS will provide a letter to the student which will need to be presented to the instructor. The instructor will make an anonymous announcement regarding the need for the note taker and offer a financial stipend. It is up to the student as to whether the student would like to remain anonymous or identify herself or himself to the note taker.
- For alternative test taking procedures, it is the student's responsibility to submit the accommodation letter at least 48 hours prior to an exam so that arrangements can be made in a timely fashion. Additionally, the student should notify the instructor immediately if there is a scheduling conflict so that the student and the professor can coordinate a mutually agreeable time to schedule the exam. Arrive on time for your exam; otherwise, if you are tardy your accommodations for extended time can't be guaranteed or implemented appropriately..
- If a student uses a laptop, software programs, or any other assistive technology to take an exam, notify the instructor a week in advance so that arrangements can be made.
- In order to receive alternative textbooks in a timely manner it will be necessary to let DSS know several weeks in advance so that the publisher can be notified. Contact DSS (http://www.ndm.edu/content/accessibility-and-health-promotion-appointment-request) for instructions on how to proceed with obtaining text books in alternate format.
- If a student is having challenges with accommodations and would like steps to take for resolving issues contact the Director of Accessibility and Health Promotion (mailto:accessibility@ndm.edu) and read about steps for grievances here (http://www.ndm.edu/student-life/accessibility-and-health-promotion).

Notre Dame of Maryland University
(http://www.ndm.edu/)
4701 North Charles Street
Baltimore, Maryland 21210

410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0&z=15)

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Accreditation

Notre Dame of Maryland University is accredited by the Middle States Association of Colleges and Secondary Schools (https://www.msche.org/) (MSCHE) and by the Maryland State Department of Education (http://www.marylandpublicschools.org/Pages/default.aspx) (MSDE) and Maryland Higher Education Commission (http://www.mhec.state.md.us/Pages/default.aspx) (MHEC).

The School of Education is accredited at the initial licensure and advanced levels for various Bachelor's, Post-Baccalaureate, Master's, and Post-Master's programs by the Council for the Accreditation of Educator Preparation (CAEP) (https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fcaepnet.org%2Fprovider-details%2Fcaep%3Fi%3DNotre%2BDame%2Bof%2BMaryland%2BUniversity%26c%3DBaltimore%26s%3DMD&data=05%7C01%7CSPrice%40ndm.edu%7C1 through December 2028 (7-year cycle).

The Commission on Collegiate Nursing Education (https://nam11.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.ccneaccreditation.org%2F&data=05%7C01%7CSPrice%40ndm.edu%7C15b7ac625e4d4636958d08db9934f946%7C23e76ce8053 granted accreditation to the baccalaureate and master's degree programs in nursing at Notre Dame of Maryland University for 10 years, extending to December 31, 2032.

The School of Pharmacy is accredited for the Pharm.D. program through the Accreditation Council for Pharmacy Education (https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.acpe-accredit.org%2Ffaq-item%2FNotre-Dame-of-Maryland-University-School-of-Pharmacy-PharmD%2F&data=05%7C01%7CSPrice%40ndm.edu%7C15b7ac625e4d4636958d08db9934f946%7C23e76ce8053b4267b0d3b497df4bbaf8%7C1%7C0%7 for a term through June 30, 2027 (8-year cycle).

NDMU's Business programs are accredited by the Accreditation Council for Business Schools and Programs (https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Facbsp.org%2Fmembers%2FDefault.asp%3Fview%3D0%26id%3D18775651&data=05%7C01%7CSPrice%40ndm.edu%7C15b7ac625e4 at the Bachelor's and Master's level for a term though 2027 (10-year cycle).

NDMU's Master of Arts in Art Therapy program is accredited by the Commission on Accreditation of Allied Health Education Programs (https://nam11.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.caahep.org%2F&data=05%7C01%7CSPrice%40ndm.edu%7C15b7ac625e4d4636958d08db9934f946%7C23e76ce8053b4267b0d upon the recommendation of The Accreditation Council for Art Therapy Education for a term though 2030 (up to 10-year cycle).

NDMU's Doctorate in Occupational Therapy program is in candidacy status with the Accreditation Council for Occupational Therapy (https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Facoteonline.org%2F&data=05%7C01%7CSPrice%40ndm.edu%7C15b7ac625e4d4636958d08db9934f946%7C23e76ce8053b4267b0d

NDMU's Master of Science in Physician Assistant Studies is pursuing provisional accreditation status with the Accreditation Review Commission on Education for the Physician Assistant. (https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.arc-pa.org%2F&data=05%7C01%7CSPrice%40ndm.edu%7C15b7ac625e4d4636958d08db9934f946%7C23e76ce8053b4267b0d3b497df4bbaf8%7C1%7C0%7C

The University holds memberships in the American Association of Colleges of Nursing (AACN), American Association of University Professors, American Association of University Women, Association of American Colleges and Universities, American Council on Education, Association of Catholic Colleges and Universities, Pennsylvania Athletic Conference, Commission on Collegiate Nursing Education (CCNE), Council for Higher Education Accreditation, Council of Independent Colleges, Independent College Fund of Maryland, Maryland Association for Higher Education,

Maryland Independent College and University Association, Maryland Higher Education Commission, Middle States Association of Colleges and Schools, Inc., National Association of Independent Colleges and Universities, National Catholic Educational Association, National League for Nursing (NLN), Public Leadership Education Network (PLEN), The College Board and the Women's College Coalition.

Notre Dame of Maryland University participates in the National Council for State Authorization Reciprocity Agreements (NC-SARA), the governing body for postsecondary distance education.

Notre Dame of Maryland University (http://www.ndm.edu/)
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Careers at NDM (http://www.ndm.edu/about/human-resources/)

Contact Us (mailto:webmaster@ndm.edu)

Follow Us on Twitter (https://twitter.com/NotreDameofMD)

Like Us on Facebook (https://www.facebook.com/NotreDameOfMaryland)

Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Admission Information

Through the admissions process, Notre Dame of Maryland University attempts to determine the intellectual potential and growth of each student. A student's academic record, high school and/or college curriculum, and standardized test scores are good indicators of these qualities. However, the process also includes a close review of the student's special interests, talents, letter of recommendation, the admission essay or writing sample, and information from the personal interview. All of this information helps the University assess the unique and essential characteristics defining a successful Notre Dame of Maryland University student.

Traditional Undergraduate College or College of Adult Undergraduate Studies

Applying to the Traditional Undergraduate College

Transfer/Adult Learners: Applying to the Traditional Undergraduate College or the College of Adult Undergraduate Studies

Applying as an International Student

Becoming a Notre Dame Student

Matriculant and Non-Matriculant Status

Full-Time/Part-Time Student Status

Conditional Admission

Readmission

Veteran Student Readmissions Policy

Options for Earning Credit

- Transfer Credit
- Advanced Placement (AP) Exams
- International Baccalaureate (IB)
- College Level Examination Program (CLEP)
- Portfolio Assessment
- Course Challenge Examination
- Credit for Military Education
- Eligibility Requirements

Traditional Undergraduate College or College of Adult Undergraduate Studies?

Although many degrees and Majors are offered through both the Traditional Undergraduate College and the College of Adult Undergraduate Studies (CAUS), there are significant differences in their populations and scheduling. To determine whether the Traditional Undergraduate College or CAUS is the most appropriate for you, see the college descriptions under Academic Information (http://catalog.ndm.edu/2020-2021/undergraduate-catalog/academic-information).

Applying to the Traditional Undergraduate College

A strong college preparatory program in high school is the best preparation for success at Notre Dame of Maryland University. Therefore, the Admissions Committee places the greatest emphasis on the type and strength of courses completed and the grades earned. Accepted students usually rank in the top half of their class. Applicants are required to be prospective graduates of a high school accredited by the regional association of the College Board or of an approved home school program. A minimum of 18 academic units distributed as follows is required:

English - 4 units
Foreign Language - 2 units
Mathematics, College Preparatory - 3 units
Science - 3 units
History - 2 units
Electives - 4 units

The Admissions Committee may accept a student who lacks one or more of the stated requirements, but whose high school record and standardized testing show academic ability.

For more specific information regarding admission to the Traditional Undergraduate College, go to our page **Applying to the Traditional Undergraduate College (http://www.ndm.edu/womens-college/admissions-aid/apply)**.

Back to top

Transfer/Adult Learners: Applying to the Traditional Undergraduate College or College of Adult Undergraduate Studies

Notre Dame of Maryland University welcomes applications from qualified transfer students and first-time and returning adult learners. Notre Dame of Maryland University will recognize and accept transfer credit and conferred degrees from colleges and universities who are accredited by the following Accrediting Bodies:

- Middle States Commission on Higher Education
- New England Association of Schools and Colleges
- Higher Learning Commission
- Northwest Commission on Colleges and Universities
- Western Association of Schools and Colleges
- Southern Association of Colleges and Schools Commission

Courses evaluated by NDMU for credit earned from regionally accredited institutions will carry the grade earned at the institution where the courses were taken if the grading system used is comparable to NDMU's grading system. However, credits earned from foreign colleges and universities will carry the grade of "P." Technical and vocational credits are not accepted; credits for varsity sports are not accepted; credits from non-accredited institutions are not accepted; and credits from institutions that only have nationally recognized accreditation (meaning institutions that do not also hold accreditation from one of the six(6) accrediting bodies) are not accepted. The office of Academic Affairs, the University Registrar, and the Vice President for Enrollment Services share responsibility for the admission of transfer students and the acceptance of transfer credit as applicable toward the degree at NDMU.

Adult learners applying as first-time College students should possess a strong college preparatory high school record. This record will be reviewed along with a written essay to assess ability to succeed at NDMU. Adult students entering with no college credits may be required to take a placement exam. An interview with a transfer counselor (Traditional Undergraduate College) or an enrollment manager (College of Adult Undergraduate Studies) is highly recommended to assist prospective students through the application/acceptance process. Students holding a GED Certificate also are considered for admission (see minimum test scores in chart below). If applying with a GED, a score of 145 or higher on the GED is needed (Performance Level 2: Pass/High School Equivalency). Older GED scores will be reviewed individually.

Students applying to NDMU as transfer students must submit official transcripts of all college work completed. This academic record, along with a letter of recommendation (where required), resume (where required), and a written essay or writing sample, will be reviewed. (See Application Materials/Deadlines (http://www.ndm.edu/womens-college/admissions-aid/apply) for details on admissions application requirements.)

Students applying as transfer students with fewer than 30 college credits will be asked to submit a high school transcript (students applying to the Traditional Undergraduate College will also be asked to submit SAT/ACT scores). A transfer applicant who holds an Associate Degree, or has more than 30 college credits with a minimum 2.5 Cumulative Grade Point Average, is typically granted admission. Students applying with a GED with a minimum score of 145 on each of the four subtests are also typically granted admission.

The Admissions Committee will evaluate the record of any applicant who presents a 2.0 to 2.49 Cumulative Grade Point Average for all college or high school work. The Committee evaluates a student's record and all corresponding documents to determine academic potential and success at NDMU. A student with a Cumulative Grade Point Average below 2.0 or GED scores *below 145 on any of the four subtests* (GED 2014) will not be considered for admission.

As part of the application process, prospective transfer students have the opportunity for review of their courses for transfer equivalency and credit. This unofficial evaluation clarifies the coursework needed to complete degree requirements (an official evaluation is completed by the student's academic advisor upon entrance).

Students applying to the Traditional Undergraduate College dual-degree programs in engineering should refer to their respective Program of Study pages for additional admissions criteria. The Programs require students to complete the four-year degree in a three-year intensive Program of Study. Therefore, transfer students may enter these Programs of study up to, but not later than, the first semester of their sophomore year (completion of approximately 30 credits) and should confer with the Coordinator of these Programs of Study at the time of admission. Additional admissions criteria also exist for the Bachelor of Science in Radiological Science Program of Study.

All students seeking formal admission to the School of Education to become certified teachers are also subject to providing additional criteria (e.g., Praxis Exam, letters of reference, application, GPA of 3.2, formal interview/screening of writing and oral communications skills, e-portfolio review).

Transfer students are NOT eligible for participation in the 3+4 BA/Pharm.D. Program. This Program of Study is only open to students entering NDMU as freshmen. Transfer students interested in pursuing Pharmacy can discuss their options with their admissions counselor (e.g. finishing a bachelor degree and then applying to Pharmacy or completing the minimum pre-requisites to allow for admissions directly to the Pharmacy Program of Study).

For more specific information regarding admission as a Transfer or Adult Learner, go to our page **Applying to the College of Adult Undergraduate Studies (http://www.ndm.edu/caus/admissions-aid/apply/admissions-criteria)**.

Back to top

Applying as an International Student

The University values the contribution international students make to the NDMU community. International students should make preparations to apply for admission at least four months in advance of application deadlines. Due to the part-time nature of the College of Adult Undergraduate Studies, international students requiring an F-1 visa are not eligible for admission to this program.

International students must meet all requirements for admission to the University. (See Application Materials/Deadlines (http://www.ndm.edu/womens-college/admissions-aid/apply)). In addition, international students must submit Test of English as a Foreign Language (TOEFL) scores (minimum score needed for admission is 550 on the written test and 173 on the computerized test or 80 on the IBT) and required financial documents which indicates ability to finance the student's NDMU education.

An I-20 is issued only after the student has been accepted for admission. Students on an F-1 (student) visa are required, by Department of Homeland Security regulations, to take a minimum of 12 credits (full-time status) each semester. Federal financial aid programs are restricted to U.S. citizens and permanent residents. International students may compete for academic and achievement scholarships awarded on the basis of academic performance and merit (excluding athletic ability/participation). To qualify for academic scholarships, international students must take the SAT Reasoning Test (SAT) or the American College Test (ACT) in addition to the TOEFL (see test information).

A Student Visa (F-1 status) is required of most students who wish to study in the United States. Students should not enter the United States on a Tourist Visa hoping to change their visas to an F-1 while here.

For more specific information regarding admission as an International Student, go to our page for **Internatio (http://www.ndm.edu/admissions-aid/international-students)nal (http://www.ndm.edu/admissions-aid/international-students) Students (http://www.ndm.edu/admissions-aid/international-students)**.

Back to top

Becoming A Notre Dame Student

Upon acceptance to NDMU, Traditional Undergraduate College applicants (full-time students) will receive information on possible scholarships and once the FAFSA is filed (Free Application for Federal Student Aid), all students receive information on their financial aid package which shows need-based financial aid if the student has filed all necessary financial aid documents.

Once a decision has been made to attend NDMU, students in the Traditional Undergraduate College will be asked to submit a non-refundable deposit. Students in the Traditional Undergraduate College should be advised spaces in the incoming class are not guaranteed until the deposit is received. Enrollment places are reserved chronologically, according to deposit date. The deposit is $300. NDMU abides by the National Candidate's Reply Date of May 1.

Once admitted to the College of Adult Undergraduate Studies, students will be assigned an academic advisor. Student should meet with their academic advisor (faculty in the department or professional advisor) to discuss their Program of Study and transfer credits (if applicable) as well as register for courses. If students will not begin studies in the semester following admission, they should contact the CAUS Office as to their academic plans and their actual start date.

Notre Dame of Maryland University endeavors to enroll students who show academic promise and support our mission. Successful students will achieve academic growth while contributing to our inclusive and compassionate community through active participation. The Office of Admissions reserves the right to rescind an offer of admission if:

- a student's academic performance diminishes in high school or the college from which they are transferring; or
- a student engages in social behavior in or out of school that the University deems inappropriate or counter to our stated mission or values.

All new students are required to participate in an orientation program prior to the start of classes. This Program enables students to meet one another; meet their academic advisor; learn about academic policies, support services and degree programs; complete all practical matters pertaining to the start of classes; and learn about all aspects of life at NDMU. Information on the Orientation Programs is sent to students during the admissions process.

Back to top

Matriculant and Non-Matriculant Status

A matriculant is a student who is officially admitted to the University as a candidate for a degree or academic credential in a particular Program of Study. Formal admission to the University is required to become a matriculant. Full-time students in the Traditional Undergraduate College must maintain continuous study in order to retain their matriculant status, unless they obtain an official Leave of Absence. Part-time students in the Traditional Undergraduate College or the College of Adult Undergraduate Studies (CAUS) must complete a minimum of one course each academic year to maintain their matriculant status. (See Academic Regulations (http://catalog.ndm.edu/2020-2021/undergraduate-catalog/university-academic-regulations) for policies on Leave of Absence or Withdrawal.)

Non-matriculants are students who have not been formally admitted as degree candidates but who are registered for courses either full-time or part-time, for academic credit or audit. Adult students in the Traditional Undergraduate College and students in CAUS may enter Notre Dame as non-matriculants. The same tuition and fees apply to non-matriculants as to matriculants. *Non-matriculants are not eligible for financial aid* and must apply for admission to the University upon completion of no more than 18 credits.

The Catalog in effect at the time the student is formally admitted (matriculated) to NDMU contains the Academic Policies and Program of Study requirements under which the student will graduate.

Back to top

Full-time/Part-time Student Status

Traditional Undergraduate College students enrolled in 12 or more credits are considered full-time and must pay full-time tuition and fees. Traditional Undergraduate College students enrolled in 11 credits or fewer are considered part-time and will pay the part-time, per credit fees as listed under Tuition and Fees (http://catalog.ndm.edu/2020-2021/undergraduate-catalog/tuition-and-fees-undergraduate-catalog). Students in the Traditional Undergraduate College may attend either on a full-time or part-time basis.

The College of Adult Undergraduate Studies is designed as a part-time program and is not normally designed to accommodate a full-time credit load. Students enrolled in 11 credits or fewer are considered part-time and will pay the part-time, per-credit fee as listed under Tuition and Fees (http://catalog.ndm.edu/2020-2021/undergraduate-catalog/tuition-and-fees-undergraduate-catalog). Under unusual circumstances, CAUS students may carry a load of more than 11 credits.

Back to top

Conditional Admission

Applicants whose files lack official transcripts or official international course evaluations may be considered for conditional admission to Notre Dame of Maryland University by submitting unofficial documents at the time of application.

Students who have their final coursework in progress to complete a required degree for admission may also apply to be conditionally admitted. These students would need to submit unofficial or official transcripts showing final coursework in progress at the time of application. Prior to beginning their first term they would have to show final official transcripts with a degree conferral date or a letter from the registrar of their previous institution. This letter must include the students full name, course of study, final cumulative gpa, and degree conferral date.

All conditionally admitted students will also be required to maintain satisfactory academic progress requirements (https://ndm.edu/admissions-aid/financial-aid/how-keep-it/policies/satisfactory-academic-progress (https://ndm.edu/admissions-aid/financial-aid/how-keep-it/policies/satisfactory-academic-progress)) during their first term, and submit any outstanding official documents prior to the end of their first term. Until all required official

documents have been received, an administrative hold will be placed on the students account. This hold will block future registration beyond their first term.

Back to top

Readmission

Notre Dame of Maryland University does not automatically readmit a student who has Withdrawn or has not taken at least one course within an academic year. The student must file an Application for Readmission along with the application fee. The student must submit an official transcript reflecting work taken at other institutions of higher education since leaving NDMU, as well as Catalog information on those courses.

All scholarships, awards, and Notre Dame grant funding originally offered to student seeking readmission are no longer valid. The Catalog in effect at the time the student is readmitted contains the policies and requirements under which the student will graduate.

Back to top

Veteran Student Readmissions Policy

Notre Dame of Maryland University complies with requirements for readmission of veterans as defined in the "Higher Education Opportunity Act."

In part, the Act states that:

"A person who is a member of, applies to be a member of, performs, has performed, applies to perform, or has an obligation to perform, service in the uniformed services shall not be denied readmission to an institution of higher education on the basis of that membership, application for membership, performance of service, application for service, or obligation."

IN GENERAL — Any student whose absence from an institution of higher education is necessitated by reason of service in the uniformed services shall be entitled to readmission to the institution of higher education if:

A) the student (or an appropriate officer of the Armed Forces or official of the Department of Defense) gives advance written or verbal notice of such service to the appropriate official (registrar or VA coordinator) at the institution of higher education;
B) the cumulative length of the absence and of all previous absences from that institution of higher education by reason of service in the uniformed services does not exceed five years; and
C) "except as otherwise provided" in the Act, "the student submits a notification of intent to re-enroll in the institution of higher education. This intent to enroll should be sent directly to the VA Coordinator (registrar's office)."
Any student providing the requisite documentation of eligibility and readmitted to Notre Dame under the terms of the statute will return with the same academic status as when last in attendance."

Service members separating from the military under certain conditions are not eligible for readmission under the terms of the Higher Education Opportunity Act. Those individuals may seek return to the University under the academic policies applicable to all students.

Veterans wishing to be readmitted should complete readmission (available through the Admissions Office), submit official transcripts from any educational institution at which courses were taken since last enrolled at NDMU, and contact the Veteran's Coordinator in the Registrar's Office by submitting an intent to enroll form.

Back to top

Options For Earning Credit

Transfer Credit

Transfer credit is granted for satisfactory completion ("C" grade or higher) of courses taken at an accredited two- or four-year college or university, including dual enrollment courses taken while still in high school. The course credit is applied to NDMU's degree requirements in accordance with Notre Dame Transfer Policy, established/articulation agreements, and course-by-course evaluation, as appropriate.

Students transferring to NDMU should familiarize themselves with the transfer policy (http://www.ndm.edu/admissions-aid/transfer-students) or consult their admissions counselor if there are any questions during the admissions process. Evaluation of transfer credit is available prior to applying to the University.

Courses taken from companies or agencies other than an accredited college or university are assessed using the American Council of Education Credit Recommendation Service. Final approval on all transfer courses and credit is determined by the University Registrar.

NDMU participates in the Maryland statewide **Reverse Transfer Program (http://www.ndm.edu/admissions-aid/transfer-students/reverse-transfer-program)**. This Program allows students entering NDMU as transfer students without completion of the Associate (A.A. or A.S.) to "transfer back" credits completed at NDMU to secure the initial Associate's degree. Transfer student files will be reviewed upon acceptance to NDMU and invitations

are sent to students who might be eligible for this Program. Transfer students can also "opt in" to this program by completing the form located on the Notre Dame website (ndm.edu) or through their admissions counselor during the application process.

Official Transcripts from all institutions of higher education must be received by NDMU no later than mid-semester of the student's initial term of enrollment.

University Credit for Prior Learning Policy

In recognition that college-level learning can happen many places outside of the classroom, Notre Dame of Maryland University has established a credit for prior learning (CPL) policy. Notre Dame of Maryland University supports and adheres to the standards for assessing learning established by the Council for Adult and Experiential Learning (CAEL) and the Middles States Commission on Higher Education (MSCHE). This credit for prior learning policy will provide a course for course equivalency or course-match model which will allow students to demonstrate college-level learning that they have obtained through work experiences, professional development, civic activities, travel, military service, or other means. Courses would be limited to those courses currently in the Notre Dame of Maryland University catalog.

Credit for Prior Learning may be awarded through the College-Level Examination Program (CLEP), course challenge or proficiency examinations, Advanced Placement (AP) examinations, American Council on Education (ACE) credit recommendations, DSST (DANTES) and other military equivalencies (AARTS, SMART, or CGI), International Baccalaureate (IB) credit, and completion of a portfolio that would be critically assessed by faculty within that department to determine whether the threshold for mastery of the course was demonstrated. Credit for prior learning supports the assessment of academic certificates, diplomas and certification through transcript evaluation or the portfolio method. Credit earned through the Prior Learning Assessment Program can be applied toward general education, degree program, or elective requirements.

Policy

NDMU awards academic credit to students who demonstrate that they have met the learning objectives and outcomes specified in a course syllabus. It is incumbent upon the student to demonstrate the prior learning is equivalent to the conventional learning through a course and that the student can demonstrate equivalent and satisfactory achievement of the learning objectives of the course.

Authority

In addition to the standards promoted by the Council for Adult and Experiential Learning (CAEL) and the Middles States Commission on Higher Education (MSCHE), the State of Maryland through the Maryland Higher Education Commission has enacted statutes, regulations, and guidelines related to CPL. See §15-113 of the Education Article of the Annotated Code of Maryland, COMAR 13B.02.02.16, and VFEA Guidelines.

The School Dean of the program where the course being petitioned for credit for prior learning resides, in collaboration with the Department Chair and Registrar, makes the final determination whether credit for prior learning will be awarded. Department chairs are considered the subject matter experts in the discipline in which the course is being petitioned for CPL. The School Dean, or designee, will consult with Department Chair, faculty colleagues, the student's advisor, as necessary, in order to conduct the review of the request.

Categories of Prior Learning:

I. Credit by Examination
   a. Advanced Placement (AP) Exams
   b. International Baccalaureate (IB) Exams/Diploma
   c. College Level Examination Program (CLEP) Examinations
   d. Dantes Subject Standardized Test (DSST)
   e. American Council on Education (ACE) Credit Recommendations
   f. Other nationally accepted assessment method/examination
II. Credit by Prior Learning Assessment (PLA)
   a. Portfolio Assessment
   b.Course Challenge Examination
III. Credit for Military Education
   a. ACE Military Guide

Advanced Placement (AP) Exams

Incoming first-year students who have taken AP examinations administered by the College Board and have achieved satisfactory scores are considered for advanced placement. College credit may be granted for scores of three (3) or higher.

The full list of approved AP examinations and their course equivalencies are available in the University Catalog and on the University's website. Other AP examinations may be determined for credit in accordance with this policy by the University Registrar.

For more information on AP Exams, visit the College Board (https://ap.collegeboard.org/) website. Scores should be sent to NDMU (Institution Code: 5114).

Subjects	Credits Granted	Course Equivalent	Fulfills General Education Requirement In:
Art: History of	6	ART-120 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-120) and ART-121 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-121)	Fine Arts
Art: Studio	3	ART-120 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-120)	Fine Arts
Biology	4	BIO-110 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-110)	Natural Science
Chemistry	4	CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110)	Natural Science
English: Language and Composition	3	ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) Proficiency Composition	English
English: Literature and Composition	3	Elective	N/A
French: Language	3	Major Requirement	Foreign Language
French: Literature	3	Major Requirement	Literature
German: Language	3	Major Requirement	Foreign Language
German: Literature	3	Major Requirement	Literature
History: European	3	Major Requirement	History
History: United States	3	Major Requirement	History
Latin: Vergil	3	Major Requirement	Literature
Latin: Literature	3	Major Requirement	Literature
Mathematics: Calculus AB	4	MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211)	Mathematics
Mathematics: Calculus BC	8	MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) and MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212)	Mathematics
Mathematics: Statistics	3	MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215)	Mathematics
Music: Music Theory	3	MUS-148 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-148)	Fine Arts
Physics B	4	PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101)	Natural Science

Political Science: American Government	3	Elective	Social Science
Psychology	4	PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101)	Social Science
Spanish: Language	3	Major Requirement	Foreign Language
Spanish: Literature	3	Major Requirement	Literature

International Baccalaureate (IB)

The International Baccalaureate (IB) is an internationally recognized program of study taken as a part of the high school curriculum in which secondary students complete standardized and comprehensive examinations. Students may present an official IB Diploma or individual certificates recognizing specific higher-level test scores for consideration.

NDMU recognizes the IB Diploma and grants 30 credits and sophomore standing to any student completing the diploma with a score of 30 or better. Some of these units may be applied toward NDMU's General Education requirements; each student's IB units will be individually evaluated for General Education applicability.

Higher level examinations for which a student received a grade of 5 or higher will be reviewed and credits granted accordingly. NDMU does not grant credit for Standard Level IB Examinations.

The full list of approved IB examinations and their course equivalencies are available from the University Registrar.

For more information on IB, visit the IB website at https://www.ibo.org/programmes/diploma-programme/ (https://www.ibo.org/programmes/diploma-programme/)

College Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) allows students to earn qualifying scores on nationally-recognized subject examinations. Students may earn credit for certain CLEP tests provided they meet the minimum score required by NDMU.

The full list of approved CLEP examination and their course equivalencies are available from the University Registrar.

For more information on CLEP or to locate a CLEP Test Center, visit the College Board (https://clep.collegeboard.org/earn-college-credit/clep-basics) website. Scores should be sent to NDMU (Institution Code: 5114).

Portfolio Assessment

To be awarded for prior learning credit via Portfolio Assessment, a student must be able to demonstrate that they have met the learning objectives required in a university academic course. This is done by creating a portfolio.

A prior learning portfolio is a collection of materials compiled to demonstrate previous college-level learning relevant to your academic degree plan. A portfolio consists of multiple required components. Each component plays a role in demonstrating mastery of course objectives. The components that make up a portfolio include:

- The Educational Goal Statement – This gives a student the opportunity to examine their personal motivation in the context of learning and application of knowledge. This document provides prior learning evaluators with insight and helps provide appropriate feedback to facilitate life-long learning.
- The Autobiography – The autobiography focuses on the student's professional and personal learning endeavors since high school. In writing the autobiography, the student will analyze their past experiences in terms of critical incidents that led to learning. This part of the portfolio helps evaluators understand when, how, and why the learning has occurred.
- The Resume – A resume allows the student to highlight more detail about your responsibilities and accomplishments that supported learning. The resume provides the evaluator with a timeline and demonstrates the progression of learning.
- The Narrative – This component is unique for every portfolio because the focus is on the learning objectives for a specific course. The student must address each course objective found on the course syllabus, and demonstrate that they have mastered the objectives to the same extent as students who have completed the course. The narrative may be lengthy depending on the course.
- Documentation – The student will need to supply documentation to support the narrative. Documentation is as individual as the learner. It may include items such as sample work products, training certificates, workplace evaluations, letters of recommendation, and/or photographs.

A separate portfolio must be submitted for each course where a student seeks to petition for credit. Faculty determine whether a student's prior learning demonstrated the equivalency of the course based on meeting 75% of learning outcomes. Some components of a student's original portfolio may be used in multiple submissions. Students are encouraged to work on one portfolio at a time, as this allows you to use feedback from the initial portfolio to inform the development of additional portfolios.

The university awards credit for college-level learning that be assessed and documented. Credit is awarded for learning, not experience. Evidences critical for a successful portfolio. A students prior learning must be:

- Related to their current educational goals and objectives.
- College-level and relevant to a specific course for which the university grants academic credit.
- Transferable to situations other than that in which it was gained.
- Accompanied by the application of appropriate theories.
- Include evidence to support having achieved course learning objectives, samples include:
  - Certifications/training certificates
  - Professional evaluations
  - Awards/commendations.

Course Challenge Examination

Through a Course Challenge Examination, a student may earn credit by passing the equivalent of a cumulative end of term examination or paper. The purpose of a challenge exam is to determine students' competency in a specific course. Developed by departmental faculty, credit may be earned for any course for which NDMU can prepare and administer a suitable examination or assessment. Examinations vary depending on the type of course challenged and some courses are excluded.

Credit for Military Education

In alignment with the Veteran's Full Employment Act of 2013 (§15-113 of the Education Article of the Annotated Code of Maryland), students who have served or are currently serving in the United States military may receive college credit for basic training, military occupational specialties, and other military course work. Official documentation must be submitted to the University Registrar. Work will be evaluated per the Guide to the Evaluation of Educational Experience in the Armed Services by the American Council on Education (ACE).

For more information, please visit the ACE Military Guide website at https://www.acenet.edu/Programs-Services/Pages/Credit-Transcripts/Military-Guide-Online.aspx (https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.acenet.edu%2FPrograms-Services%2FPages%2FCredit-Transcripts%2FMilitary-Guide-Online.aspx&data=05%7C01%7CSPrice%40ndm.edu%7C329d5500648b418ffb2108dbd4adf28a%7C23e76ce8053b4267b0d3b497df4bbaf8%7C1%7C0%7C

Eligibility Requirements

1. Student must be admitted to an approved NDMU program.
2. Students must have earned a minimum grade point average (GPA) of 2.0 for courses taken to date and are not on academic probation.
3. Student may not be enrolled in the course for which they plan to apply for CPL.
4. Students may not apply for CPL for courses in which the student is currently enrolled, has previously taken (earned a grade, failed, or withdrawn), or has transferred from another institution.
5. Student must verify with their advisor that the course(s) for which CPL credit is being requested apply to the requirements outlined in their academic plan.
6. Student must verify with their advisor that courses for which CPL credit is being requested are in alignment with NDMU's residence requirements.
7. Student has had fewer than 30 credits awarded for prior learning.
8. Students pursing a Portfolio Evaluation will have completed their 1st term, ENGL101 or an equivalent course, and have attended a PLA workshop prior to applying.
9. Students pursing a Course Challenge are limited to two challenge examination attempts per course.
10. Courses/Requirements that may not be awarded CPL:

- Capstone/Outcome Courses
- Senior Seminars
- Internships, Clinicals, Practicums, or Fieldwork Placements
- Study Abroad Courses or Experiences
- Senior or Masters Theses
- Doctoral Dissertations

Procedures:

General

The School Dean, or designee, in collaboration with the Department Chair and Registrar, will determine standardized course equivalencies for recognized Credit by Examination and Credit for Military Education methods. Admission Counselors, Academic Advisors, and Registrar staff will be trained in order to inform each admitted student on the availability of CPL opportunities specific to their individual circumstances.

Students will be informed of the process through a variety of mediums (including admissions, orientation, website, etc.) and solicited to submit any Credit by Examination or Credit for Military Education information for formal evaluation by the Registrar's Office. Informal equivalency information may also be communicated by Admissions Counselors and Academic Advisors. Policy and procedure information will be easily accessible on the University's website and in the University Catalog.

Procedures for Credit by Prior Learning Assessment:

1. Student must identify one or more courses that relates to their previous experience and knowledge and fits into their degree program.
2. Student must attend a pre-application PLA workshop and apply to the Registrar's Office to initiate the PLA process.
3. The Registrar will determine if the student meets the eligibility requirements to petition for PLA.
4. If approved, the Registrar's Office will notify the student and the relevant School Dean or designee.
5. The School Dean or designee will:
    1. Determine what method(s) of assessment are available for the requested course(s);
    2. Determine, in consultation with the student and Department Chair, the appropriate method of assessment, CPL method expectations, and timeframe; and
    3. If applicable, assign a subject matter expert faculty member to administer the PLA assessment.
    4. The School Dean or designee will inform the Registrar of the agreed upon assessment method, and the Registrar will assess the applicable non-refundable CPL fee.
    5. Upon confirmation of the payment of the applicable CPL fee, the designated faculty may proceed with the PLA, and if applicable, provide the student with the course syllabus.
    6. Upon completion of grading, assigned faculty will complete the Portfolio Evaluation form for each course where credit was requested signifying approval or denial with sufficient explanation. The assigned faculty member will forward the completed evaluation to the School Dean, and the Registrar for fee assessment, posting and communication to the student.

Timeline for Credit by Prior Learning Assessment:

Step	Task	Time Frame
1	Student submits the application for eligibility for a course to be considered for PLA.	Reviewed by the Registrar in 2 weeks
2	If eligibility is confirmed, the student will submit their application for PLA to the relevant School Dean or designee.	Reviewed by the School Dean in 3 weeks
3a	If a challenge exam is being administered, the student will be provided with a copy of the course syllabus and challenge exam.	The student has 60 days to take the exam from the date she or he receives the course syllabus
3b	If a portfolio is being developed, the student will be provided with a copy of the course syllabus.	There is no strict time limit on portfolio development but generally should be completed within the semester, and no longer than 12 months.
4	Non-refundable fee is assessed	Upon delivery of syllabus
5	Assigned faculty member grades the exam/portfolio or if the exam is being taken through an external entity, the scores must be sent directly from the entity to the Registrar's office.	Within 30 days of completing the examination/portfolio
6	Student will be sent the results of the review	Within 2 weeks of the grade being determined

7	If CPL is awarded, the student will be assessed a Credit Recording Fee	Before the end of the applicable semester
8	If CPL is awarded and the student has paid the Credit Recording Fee, the grade and credits will be posted to the student's official transcript	By the time that grades are posted for that semester

Additional Information/Limitations:

1. Being granted approval to petition for CPL does not guarantee that credit will be awarded.
2. Whether a request for CPL is approved or denied, CPA fees are non-refundable. CPL fees are listed in the tuition and fees schedule and are reviewed annually.
3. CPL Credit Recording Fees do not apply to AP or IB examinations.
4. The process for determining whether a CPL may be awarded may take up to one semester.
5. Portfolios become the property of NDMU upon submission.
6. If credit is awarded, the PLA receives a grade of "P"; the PLA does not receive a letter grade nor will it affect GPA. If credit is denied, there is no effect on a student's transcript or GPA. PLA submissions are limited to two attempts with faculty permission, and there is no appeal process for a PLA denied credit.
7. The student is responsible for arranging any approved external exams (such as CLEP, DSST, National Exams, etc.), for paying all associated fees, and is responsible for arranging for official submission of exam scores from the agency to the NDMU Registrar's Office.
8. There will be a maximum of thirty credit hours for Credit for Prior Learning courses that can be earned for a baccalaureate degree and a maximum of six hours for a graduate degree. This includes credit earned through portfolio assessment, CLEP, DSST, AP, IB, proficiency through ACE for corporate training, or challenge exams.

Back to top

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Alumnae and Alumni Community and Council

The Alumnae and Alumni Community periodically gets together throughout the calendar year—most notably at Reunion, which is typically held in the fall semester.

The Council is a strong body of graduates that exists to promote, support and advance the welfare of the University, broaden and sustain friendships among alumnae and alumni, and stimulate alumnae and alumni interest in the University. The Council assists in stimulating a spirit of cooperation and loyalty in the community, is a vibrant advisory body dedicated to engaging alums and students, acting as a link between the campus community and the global alumnae and alumni community, and stewarding the lifelong connection alums have with the University.

The Alumnae and Alumni Community includes all matriculated students and graduates of NDMU. There are no dues associated with joining the community—by matriculating and/or graduating from NDMU, you are automatically included. The best way to maintain contact with the community is by ensuring an updated email address is on file with the Office of Institutional Advancement. Simply email ndmalum@ndm.edu (mailto:ndmalum@ndm.edu) to verify or update any part of your information.

Leadership

President: Nichole' C. Gatewood '01

Representatives

Irnande Altema '07

Christina "Chrissy" Bolmarcich '97

Annie Caporellie '12

Denise Dunn '04

Victoria Meadows '15

Amy Rosenkrans '93, Ph.D '16

Amanda Rumsey-Ballard '18, Pharm.D. '15

Jessica Sexton '08

Joe Weatherstein '08

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Campus Buildings and Facilities

Fourier Hall

Originally home to Notre Dame's Library, Fourier Hall is the center of the University's programs for adult learners, as well as home to the Art Department, Art Therapy and Business Department. The main lobby hosts the University's Welcome Center. The lower level is home to University

Admissions for undergraduate studies and Financial Aid.

Meletia Hall

Lower level: The Feeley International Center is home to Modern and Foreign Languages and houses a state-of-the-art language lab. The Renaissance Institute, an active group of men and women who are over the age of 50 and interested in pursuing lifelong learning and intellectual growth.

First, second, and third floors: Residential housing for female students, with shared balcony and common areas for studying and socializing.

Caroline Hall

With its distinctive Merrick Tower, Caroline Hall is one of the highest points in the city and is symbolic of the University's position in the Baltimore community.

First floor: Public Safety Control Center, Office of the President, VP and AVP of Enrollment Management, AVP for Academic Affairs and Provost, Title III Office, Dean of Arts, Science and Business, and the Women's Leadership Institute of Baltimore, and the Register's office.

Second floor: Murphy Gathering Space, donated through the generosity of Mr. and Mrs. Daniel Murphy. Mr. Murphy was the son of one of Notre Dame's first six graduates from the class of 1899. The beautiful space provides a special place to hold wedding receptions and take photographs and, The Brain Board Room. Social Sciences and Education Department share the classrooms on this floor which were recently updated to include new technology.

Third floor: The School of Education is housed on this floor. The Dean of the School of Education as well as administrative staff. Third floor classroom are shared between Social Sciences and Education classes.

Fourth floor: The offices of the History, Religious Studies, Digital Media Arts and Communication Art Departments. All classroom have been recently updated and house state of the art technology, including a radio station, television station, and other high-tech rooms with the capability to both stream and record room activity.

Fifth floor: Offices of the English Department who assists in running the student run Writing Center and Damozel and the Philosophy Department.

Theresa Hall

Lower level: Houses the University Testing Center, Counseling Services, Student Success Center, Academic Support Enrichment programs, Faculty Resource Center, and the Office of Accessibility and Health Promotion.

First floor: The Office of Campus Ministry and Mission, Business offices, Career Center, and Career Suit Lending Closet, Sr. Sharon Slear Center for Service, Social Justice & Community Engagement.

Second floor: Marikle Chapel of the Annunciation, Human Resources and VP for Finance and Administration.

Third floor: Offices of the School of Education.

Marion Burk Knott Sports and Activities Complex

Notre Dame is an NCAA Division III institution and sponsors nine intercollegiate sports including basketball, cross country, field hockey, lacrosse, soccer, softball, tennis, track and volleyball.

Lower level: Gym and Dance Studio.

First floor: Athletics Department and Student Life office. The newly renovated Civera Fitness Center offers cardio and weight-training equipment; next door are the racquetball courts.

LeClerc Hall

LeClerc Hall is home to LeClerc Auditorium, and the pool.

Lower level: A Child's Place (ACP) is a Lab-School serving children ages 2.5 through Kindergarten.

First floors: LeClerc Auditorium; this area hosts lectures, concerts and special events such as Honors Convocation and musical and theatrical performances.

Second floor: Copeland Studio Theatre in the Sr. Theresine Room; Instrumental classes as well as small Drama productions are held here. The Offices of Conference and Event Services as well as Communications and Marketing.

Doyle Hall

Lower level: The newly renovated Gator Alley serves as a lounge, game room, and study area for students. The lounge is a popular gathering space housing flat-screen televisions, entertainment media, pool table, foosball table, and other games.

First floor: Doyle Formal Lounge and Doyle Dining Hall.

Second, third and fourth floors: Residence hall.

Knott Science and Innovation Center

The Universities center for S.T.E.M learning and technology. Knott houses the Departments of Chemistry, Physics, Psychology, Criminology, Biology and the Physicians Assistance program. The Bryan Planetarium in located on the lower level.

G. Avery Bunting Hall

The building is home to the School of Pharmacy, the only such school affiliated with a private university in the state.

Technology-rich classrooms, laboratories, and office space support the work of students, faculty and staff. The construction of this facility is not only technologically advanced but also designed to meet LEED Silver specifications as part of our environmental stewardship efforts.

University Academic Building

The latest addition to Notre Dame's campus is a $15 million, 36,500-square-foot facility supporting the School of Nursing, the School of Education, and the entire University. The building includes the Center for Caring with Technology; with simulation labs for labor and delivery, pediatrics and patient rooms; state-of-the-art instructional facilities; meeting and gathering spaces; and an art gallery.

Lower level: The Department of Occupational Therapy.

Loyola/Notre Dame Library

This is the first library in the country to be owned jointly by two private educational institutions. The Library offers wireless technology and rooms for independent and group study. An auditorium for larger groups and maker space rounds out the Library's offerings. The third floor is home to our archives.

Otenasek House of the Morrissy Honors Program

Nestled next to Cana House on the south side of campus, the new house provides welcoming study areas, a seminar room for classes and individual and group activities and a comfortable lounge where students can interact with other Morrissy Honors students and faculty.

Noyes Alumnae House

This Federal-style building is home to the Institutional Advancement and Alumnae and Alumni Relations offices.

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Copyright Policy

This guide is designed to help explain U.S. Copyright laws and how they apply to basic copyright questions that arise in the course of academic work. Nothing in this guide should be considered legal advice. For legal guidance please contact University Counsel.

Loyola-Notre Dame Library Copyright Policy (https://www.lndl.org/help/copyright-info)

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Family Educational Rights and Privacy Act (FERPA) Policy

Notre Dame of Maryland University complies with the provisions of the The Family Educational Rights and Privacy Act (FERPA) (https://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html?src=rn), as amended, and associated regulations. FERPA establishes requirements regarding the privacy of student records and provides students with certain rights with respect to their education records.

These include:

- the right to inspect and review their records;
- the right to request an amendment of the student's education record they believe is inaccurate;
- the right to consent to disclosure of personally identifiable information (PII) contained in the student's record (except where FERPA authorizes disclosure without consent).

All official academic records of all students, past and present, are housed in the Office of the University Registrar (Registrar's Office). Questions regarding a student's official academic record should be directed to the University Registrar.

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Financial Aid

Notre Dame of Maryland University offers a comprehensive program of need-based and merit-based financial assistance. It is designed to help students and families cover the difference between the amount they are able to pay and the total cost of attending Notre Dame. According to federal guidelines, parents of traditional-aged students assume the primary responsibility for the educational expenses of the students; it is also understood that students have responsibility to help pay for their education. For adult learners, federal guidelines state that students assume primary responsibility for their own educational expenses.

Financial aid is provided through scholarships, grants, loans and paid employment, which may be offered to students singly or in combinations called financial aid packages. The sources of such funds are the federal government, state agencies, private foundations, corporations, educational institutions and Notre Dame of Maryland University.

The Office of Financial Aid website (http://www.ndm.edu/admissions-aid/financial-aid) provides detailed and up to date information on the types of aid available, how to apply, eligibility requirements, policies and procedures, external scholarships for students, deadlines, a checklist, contact information and more.

Learn more

- Application Process (/undergraduate-catalog/financial-aid/application-process_1?menu=financial-aid)
- Cost of Attendance (/undergraduate-catalog/financial-aid/cost-of-attendance?menu=financial-aid)
- Eligibility (/undergraduate-catalog/financial-aid/eligibility?menu=financial-aid)
- Exit Interview (/undergraduate-catalog/financial-aid/exit-interview?menu=financial-aid)
- Federal Work-Study (/undergraduate-catalog/financial-aid/federal-work-study?menu=financial-aid)
- Financial Need (/undergraduate-catalog/financial-aid/financial-need?menu=financial-aid)
- Policies (/undergraduate-catalog/financial-aid/policies?menu=financial-aid)
- Sources of Funding (/undergraduate-catalog/financial-aid/sources-of-funds?menu=financial-aid)
- Verification of Eligibility (/undergraduate-catalog/financial-aid/verification?menu=financial-aid)

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Application Process

Obtain a FSA ID

All students, and parents of dependent students, should apply for a **U.S. Department of Education Federal Student Aid (FSA) ID (https://fafsa.ed.gov/)**. The new FSA ID consists of a user-created username and password to electronically access the Federal Student Aid's online systems (including the FAFSA) and can serve as your legal signature.

Complete the FAFSA

The Free Application for Federal Student Aid (FAFSA) may be filed beginning October 1 of each year. There is no charge for submitting the FAFSA.

We encourage students to submit your FAFSA by Notre Dame's priority deadline of February 15 (for students who start in the summer or fall semester) or November 15 (for students who start in the spring semester) to be considered for certain limited funds.

List Notre Dame of Maryland University on your FAFSA. Notre Dame's school code is 002065.

Submit your FAFSA. Print out and keep a copy of your submitted information for your records.

FAFSA Follow Up

Students will receive an email from the U.S. Department of Education with a link to the **Student Aid Report (SAR) (https://studentaid.ed.gov/sa/fafsa/next-steps/student-aid-report)** that shows the results of the FAFSA. Check the SAR for accuracy and make any necessary corrections.

Students will receive an email from Notre Dame of Maryland University informing them when we have received your FAFSA results.

If the student's FAFSA is selected for a process called *verification*, accepted applicants will be notified via email to submit required documents.

Current students will be sent an email and advised to check Web Advisor for missing documents. Do not submit documentation unless it is requested.

About three weeks after submitting taxes to the IRS electronically (8 weeks for paper filing), attempt to use the **IRS Data Retrieval Tool (https://studentaid.ed.gov/sa/about/announcements/irs-drt-unavailable)** to import the financial information from the tax returns into your FAFSA to avoid processing delays. If you are ineligible to use the IRS Data Retrieval Tool, enter the updated information from your tax returns manually. See directions on how to use the IRS Data Retrieval Tool.

Award Notification

After the student's financial aid file is complete, they will receive an award notice if they meet **eligibility requirements (https://studentaid.ed.gov/sa/fafsa/estimate)**. Award notices will be emailed to new students and posted on Self-Service for returning students.

Award letters for new students with complete financial aid files who plan to enroll for the fall semester will be sent beginning in November (December for students who plan to begin enrollment in the spring semester). Award information for returning students with complete files and who meet **satisfactory academic progress standards (http://catalog.ndm.edu/financial-aid/policies/satisfactory-academic-progress)** will be posted on Self-Service beginning in late March.

After receiving their financial aid notification, students must read and follow the instructions in the **How it Works (http://www.ndm.edu/admissions-aid/financial-aid/how-it-works)** section of the NDMU website.

Student financial aid award notices will be based on certain enrollment and housing assumptions. If these assumptions are incorrect, it is the student's responsibility to notify the Office of Financial Aid (http://www.ndm.edu/admissions-aid/financial-aid/contact-us) so the award can be revised in

a timely manner. Similarly, if a student receives notification of another source of funding not reflected in the financial aid award, documentation of the expected award must be sent to the Office of Financial Aid as soon as it is received.

Back to top

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Cost of Attendance

Cost of Attendance (or financial aid budget) is a combination of direct expenses (such as tuition and fees) and indirect expenses (such as books and personal expenses) a student will incur to attend NDMU. Each student's actual expenses may vary, but Cost of Attendance provides an estimate of the cost of attending Notre Dame of Maryland University for an academic year.

Cost of Attendance is determined using a formula established by the U.S. Congress. All expenses are for the nine-month school year. Costs are subject to change without notice.

The Office of Financial Aid uses *average* budgets to calculate financial aid. Average budgets are based on a student's anticipated average enrollment. A student cannot receive more than the cost of attendance from any combination of institutional, federal, state, or private funding source. This includes merit and need-based aid as well as tuition remission, VA benefits, and ROTC awards.

Visit our **Cost of Attendance (http://www.ndm.edu/admissions-aid/financial-aid/how-apply/cost-attendance)** page online for detailed information by student type: http://www.ndm.edu/admissions-aid/financial-aid/how-apply/cost-attendance (http://www.ndm.edu/admissions-aid/financial-aid/how-apply/cost-attendance)

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Eligibility

To receive financial aid from federal programs, a student must meet all of the following requirements:

- Must have high school diploma or GED,
- must be a U.S. Citizen or eligible non-citizen, a national or permanent resident of the U.S. or in the U.S. for other than a temporary purpose,
- must be registered with Selective Service, if you are a male between the ages of 18 and 25,
- must have a valid Social Security Number,
- may not be in default on a federal student loan,
- must not owe an overpayment of a federal loan or grant,
- may not have borrowed in excess of aggregate student loan limits,
- must be admitted to Notre Dame of Maryland University in a qualified degree program (includes teacher certification and CASE),
- must be registered at least half-time for federal loans and FSEOG,
- must meet requirements for institutional scholarships,
- must meet the state's requirements for individual state financial aid programs, and
- must maintain Satisfactory Academic Progress as defined by Notre Dame of Maryland University.

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Exit Interview

An exit interview is a loan counseling session that provides loan repayment, grace period, billing options information, and collects updated borrower information as required by the federal government.

Prior to graduating, leaving the University, or dropping below half-time, federal loan borrowers are required to complete a mandatory exit counseling session under federal law as a condition of receiving a federally funded student loan. The online exit-counseling session provides borrowers their rights and responsibilities as a federal loan recipient. To fulfill this requirement, students must go to www.studentloans.gov (https://studentloans.gov/myDirectLoan/index.action).

Graduating students must complete this requirement before their diplomas and transcripts will be released.

Federal Work-Study

The Federal Work-Study Program provides part-time jobs for undergraduate and graduate students with financial need, allowing them to earn money to help pay education expenses. The Program encourages community service work and work related to the recipient's Program of Study.

- Federal Work-Study is available to undergraduate and graduate students with financial need.
- To apply for the Federal Work-Study program, complete the Free Application for Federal Student Aid (https://fafsa.ed.gov/)(FAFSA) by University's priority deadline of February 15. Work-study is awarded on a priority, first-come-first-served basis based on the FAFSA receipt date and financial need.
- The amount of work-study students are eligible to earn is shown on their financial aid Award Letter.
- The average academic-year Work-Study award is $1000.
- The amount of a Work-Study award is determined by student need and the availability of funds at the University.
- Work-Study positions are available in departments and offices throughout the University as well as off-campus community service jobs, such as tutoring elementary students.

The application process is posted annually on **The Office of Financial Aid website (http://www.ndm.edu/admissions-aid/financial-aid)**.

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Financial Need

Once admitted to Notre Dame of Maryland University, a student's completed FAFSA will be reviewed to determine their financial need according to federal standards. Decisions regarding how much parents and students can be expected to contribute from their income and assets are based on federal need analysis formulas and University policies.

Financial need is defined as the difference between the Cost of Attendance (COA) and the Estimated Family Contribution (EFC).

Cost of Attendance (COA):

The cost of attendance includes tuition, fees, on and off campus room and board costs, and additional allowance for books, supplies, transportation and personal expenses.

Estimated Family Contribution (EFC):

The family is expected to contribute to the student's education. A dependent undergraduate student's family includes parents and/or stepparents. Independent undergraduate students' families include the student and spouse, if applicable. FAFSA data is used to determine the amount of the family contribution. The family's financial circumstances are evaluated in a consistent and equitable manner, recognizing special circumstances that alter a family's ability to contribute to the student's education.

Financial Need:

Financial need is the amount remaining when the EFC is subtracted from the COA.

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Policies

Notre Dame of Maryland University complies with federal and state regulations to establish policies and procedures for federal, state, and institutional financial aid. Students are encouraged to review all financial aid policies at Notre Dame. Students needing further assistance or more information should contact the Office of Financial Aid.

Not all colleges or universities present policy and procedure information in the same manner. Therefore, students should not assume the information contained within these pages can be applied towards another institution.

Learn more

- Communication and Confidentiality (/undergraduate-catalog/financial-aid/policies/communication-and-confidentiality_1?menu=policies)
- Contractual/Consortium Agreements Policy (/undergraduate-catalog/financial-aid/policies/contractualconsortium-agreements-policy?menu=policies)
- Courses - Dropping (/undergraduate-catalog/financial-aid/policies/courses-dropping?menu=policies)
- Courses - Withdrawal (/undergraduate-catalog/financial-aid/policies/courses-withdrawing?menu=policies)

- Cumulative Total Loan Limits (/undergraduate-catalog/financial-aid/policies/cumul-federal-l-limits?menu=policies)
- Disbursement of Funds Policy (/undergraduate-catalog/financial-aid/policies/disbursement-of-funds-policy?menu=policies)
- Leave of Absence and Return of Title IV Funds (/undergraduate-catalog/financial-aid/policies/leave-of-absence-and-return-of-title-iv-funds?menu=policies)
- Loan Limits Each Year (/undergraduate-catalog/financial-aid/policies/loan-limits-each-year?menu=policies)
- Merit Scholarships and Need-Based Grant Renewal Policy (/undergraduate-catalog/financial-aid/policies/merit-scholarships-and-need-based-grant-renewal-policy?menu=policies)
- Rights and Responsibilities (/undergraduate-catalog/financial-aid/policies/rights-and-responsibilities?menu=policies)
- Satisfactory Academic Progress (/undergraduate-catalog/financial-aid/policies/satisfactory-academic-progress?menu=policies)

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Communication and Confidentiality

Students must monitor their Notre Dame e-mail for communications from the Office of Financial Aid.

When students contact the Office of Financial Aid using their personal account (non-Notre Dame email account), the response will be sent to the student's Notre Dame email account.

Students must use Self-Service to monitor the amounts and status of their financial aid awards.

Students must contact the IT Department at 410-532-5200 for problems accessing Notre Dame email or Self-Service.

Confidentiality Policy

The Family Educational Rights and Privacy Act (FERPA) requires the Office of Financial Aid to release detailed financial aid and billing information only to the student.

The student may, however, authorize another person to obtain his/her personal information by completing an Authorization to Release Information with the Registrar's Office.

If a student requires copies of their guardian's tax returns, NDMU requires a written release from the guardian to the Office of Financial Aid, specifying which of their documents can be released.

All visitors to the Office of Financial Aid must present a valid ID (student ID card or driver's license) before student specific information can be released.

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Contractual/Consortium Agreements Policy

Consortium Agreements

The Office of Financial Aid does not routinely participate in any Consortium Agreements to serve as a home institution. Students may petition the Office of Financial Aid to participate in Consortium Agreements on a case by case basis.

Contractual Agreements

The Office of Financial Aid participates in a contractual agreement with John Hopkins School of Medical Imaging for students pursuing the undergraduate degree in Radiological Sciences.

The undergraduate Radiological Sciences Major requires a period of clinical study at Johns Hopkins Hospital, but allows students to earn their degree from NDMU. During this entire Program of Study, *federal financial aid* is processed through NDMU.

The Johns Hopkins School of Medical Imaging is recognized as an eligible institution of higher education for purposes of *state* financial aid programs. These include Maryland State Scholarships and Veterans Benefits but do not include Federal Financial Aid such as Pell Grants

and Direct Subsidized/Unsubsidized Loans. Students may also apply for a low interest loan through The Johns Hopkins Federal Credit Union (JHFCU). The applicant must meet JHFCU loan requirements. The Schools of Medical Imaging do not guarantee loan approval by JHFCU. Specifics about loan policies can be addressed at the time of the applicant's interview or through the school office. All financial arrangements must be resolved before attending the respective program.

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Courses - Dropping

The overall consequences of dropping courses depend on EACH of the following:

- The aid a student has been awarded,
- the number of credits retained, and
- the point in the semester the course was dropped and the tuition refund period in effect (check the Academic Calendar).

Students could owe additional money to the university (which would be due immediately) or students could have additional funds returned to them from the university in the form of a refund. In some cases, eligibility for aid could be impacted for future semesters. Refer to the Satisfactory Academic Progress (SAP) Policy (http://catalog.ndm.edu/financial-aid/policies/satisfactory-academic-progress) for more information.

Students must check with the Office of Financial Aid before dropping from any and all courses to determine if their aid will be impacted.

Courses - Withdrawal

Withdrawing from the University may have both academic and financial aid consequences. Students are encouraged to understand the consequences before deciding to withdraw.

If students complete 60 percent or less of the term prior to Withdrawal, they may be required to repay a substantial portion of their financial aid.

As with dropping a class, the specific financial consequences for each student depends on several factors:

- the amount and type of financial aid the student has been awarded for the term;
- the amount of initial charges, as well as adjusted charges; and
- the point in the term of the Withdrawal (including the refund period in effect).

The student could owe additional money to the university (which would be due immediately), or the student could have additional funds returned to them from the university in the form of a refund. In some cases, students could have aid adjusted for future terms.

Notre Dame of Maryland University is required to review a student's account and recalculate eligibility in the following situations:

- a student completely withdraws from all classes during the semester;
- a student never attend any classes during the semester; and/or
- a student does not complete *all* modules (classes that do not span the entire length of the semester) for which she/he has registered during the semester.

The Office of Financial Aid is responsible for reporting in the calculation the last date of attendance as determined by the institution using the last date of attendance or the last date of academically related activity. If neither of these dates are available, then the date the student initiated the withdrawal process will be used.

Confirmation of future enrollment within the same semester will prevent the recalculation process from being initiated. If a student decides that dropping a single course during the semester is necessary, but expects to complete the subsequent module courses during the same semester, he or she will be given the option to confirm that intention by responding to email notice from the Office of Financial Aid. Without documented confirmation by the student, the Office of Financial Aid will assume the student ceased attendance and will begin the Return of Title IV funds process.

The federal recalculation is determined on a pro-rated basis taking into consideration the actual number of days a student is in attendance. Once the recalculation is completed, the student will receive notification from the Office of Financial Aid of any change to his/her financial aid.

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Cumulative Total Loan Limits

Federal regulations set aggregate, or total, loan limits in addition to the annual loan limits. Students cannot borrow more than the Aggregate Loan Limit for all subsidized and unsubsidized loans at all schools.

Aggregate Loan Limits

Effective July 1, 2008

	MAXIMUM SUBSIDIZED	MAXIMUM UNSUBSIDIZED
Dependent Undergraduates	$23,000	$31,000

Independent Undergraduates	$23,000	$57,500

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Disbursement of Funds Policy

Student financial aid disburses to their account after the semester has started. All aid disburses directly to the student account to first pay all institutional charges. Should the student have an outstanding credit balance after disbursement, the excess will be refunded to the student. Please contact the Business Office regarding refund processes.

In order for any student to be eligible for loan funds, she/he must be enrolled at least half-time (6 credits for all students except Pharmacy students – 5 credits) at both census and at the time the loan funds are disbursed to the Business Office. For students whose classes are staggered, loan funds will not be released until the student has reached half-time enrollment (6 credits or more for undergraduate and graduate students, 5 credits or more for Pharmacy students, 3 credits or more for PhD students).

The Verification of Enrollment begins after the census date and is performed periodically throughout the semester. Scholarships, grants or loans from external sources will be posted as the funds are received by NDMU. Funds are posted weekly throughout the semester.

Leave of Absence and Return of Title IV Funds

Leave of absence

Students who must interrupt their studies for adequate reason, such as sustained ill health or military service, may be granted a Leave of Absence for a semester. Notre Dame of Maryland University's academic Leave of Absence Policy does not meet certain Federal Title IV requirements; therefore, a NDMU Leave of Absence after the semester starts will be treated as a federal withdrawal and would be subject to Title IV Return of Funds calculation.

Return of federal student aid

To remain eligible for federal student aid during the semester, the student must be attending classes, taking exams, and completing required course work.

Federal Regulations require the University to calculate a Return of Federal Student Aid funds for students who Withdraw (officially or unofficially) from all classes on or before the 60 percent attendance point in the semester and for students who Withdraw from any module-based courses.
If the student officially Withdraws, the determination date is the date NDMU determines the

student began the Withdrawal process. If the student does not provide official notification of his/her intent to Withdraw, the determination date will be determined as the date NDMU became aware the student was not attending class. For official Withdrawal, NDMU uses the date the student provided official notification to Withdraw as the Withdrawal date; for unofficial Withdrawals, the last date of academically related activity as given by a professor is used as the Withdrawal date.

The calculation required determines a student's earned and unearned Title IV aid based on the percentage of the enrollment period completed by the student. The percentage of the period the student remained enrolled is derived by dividing the number of days the student attended by the number of days in the period. Calendar days (including weekends) are used, but breaks of at least five days are excluded from both the numerator and denominator.

Until a student has passed the 60% point of an enrollment period, only a portion of the student's aid has been earned. A student who remains enrolled beyond the 60% point is considered to have earned all awarded aid for the enrollment period.

The unearned portion of federal student aid funds will be returned to the appropriate aid program(s). The funds are returned in the following order:

- Federal Direct Unsubsidized Loan
- Federal Direct Subsidized Loan
- Federal Perkins Loan
- Federal Graduate PLUS Loan
- Federal PLUS Loan
- Federal Pell Grant
- Federal SEOG Grant

Students withdrawing from classes are responsible for payment of any balance due after the required return of federal student aid funds.

Earned aid is not related in any way to institutional charges. In addition, the University's refund policy and Return of Title IV funds procedures are independent of one another. A student who drops/withdraws from a course may be required to return unearned aid and still owe the University for the course. For more information on Notre Dame of Maryland University's Withdrawal and institutional charges policies, please consult the Catalog.

Students who stop attending all classes without officially Withdrawing will be subject to a Return of Federal Student Aid funds at the end of the semester based on the last documented date of attendance as determined by Notre Dame of Maryland University.



The responsibility to repay unearned Title IV aid is shared by the University and the student. For example, the calculation may require Notre Dame of Maryland University to return a portion of federal funds to the Federal Title IV programs. In addition, the student may also be required to return funds based on the calculation. A student returns funds to the Federal Direct Loan program based on the terms and conditions of the promissory note of the loan. A student who receives federal grants may be required to repay 50% of the funds received.

How to Handle a Grant Overpayment

Students who owe funds to a grant program are required to make payment of those funds within 45 days of being notified they owe this overpayment. During the 45 day period, students will remain eligible for Title IV funds. If no positive action is taken by the student within 45 days of being notified, Notre Dame of Maryland University will notify the U.S. Department of Education of the student's overpayment situation. The student will no longer be eligible for Title IV funds until they enter into a satisfactory repayment agreement with the U.S. Department of Education.

During the 45-day period, the student can make full payment to Notre Dame of Maryland University to cover the overpayment. The University will forward the payment to the U.S. Department of Education and the student will remain eligible for Title IV funds.

If a student is unable to pay their overpayment in full, they can set up a repayment plan with the U.S. Department of Education. Before doing this, please contact the Office of Financial Aid. Students will need to verify NDMU has referred their situation to the U.S. Department of Education before any repayment plan can be established.

Contact information to the U.S. Department of Education is as follows:

U.S. Department of Education
Student Financial Assistance Programs
P.O. Box 4222
Iowa City, IA 52245
Phone: 1-800-621-3115
E-Mail: DCS_HELP@ed.gov

For examples of the Return of Title IV funds calculations or questions regarding the overpayment policy, please contact the Office of Financial Aid.

Students considering Withdrawal should contact the Office of Financial Aid.

Loan Limits Each Year

In addition to the information below, please note the following:

- Once the borrower has received Direct Subsidized Loans for a period that is 150% of the published length of the borrower's current education program, the borrower is no longer eligible for Direct Subsidized Loans.
- A first-time borrower who loses eligibility for additional subsidized loans loses interest subsidy on subsidized loans received on or after July 1, 2013 if the borrower did not complete the program AND continues enrollment in the program OR enrolls in another program of the same of shorter length.

For students enrolled as regular students in eligible programs, annual Federal Direct Loan limits are as follows:

Dependent Undergraduate Students

	BASE AMOUNT (SUB/UNSUB)	ADDITIONAL LOAN (UNSUB)	TOTAL

First-year	$3,500	$2,000	$5,500
Sophomore	$4,500	$2,000	$6,500
Junior	$5,500	$2,000	$7,500
Senior	$5,500	$2,000	$7,500

Independent Undergraduate Students and Dependent Undergraduate Students Whose Parents Cannot Borrow PLUS

	BASE AMOUNT (SUB/UNSUB)	ADDITIONAL LOAN (UNSUB)	TOTAL
First-year	$3,500	$6,000	$9,500
Sophomore	$4,500	$6,000	$10,500
Junior	$5,500	$7,000	$12,500
Senior	$5,500	$7,000	$12,500
Graduate Students (pursuing teaching certification, if independent)	$5,500	$7,000	$12,500
Pharmacy Students	$8,500	$24,500	$33,000

Merit Scholarships and Need-Based Grant Renewal Policy

Merit Scholarships and Need-Based Grants are offered to students as part of the undergraduate admissions process. These awards assume students will maintain continuous full-time enrollment and are only valid for the number of terms normally required to earn an undergraduate degree. The scholarship amounts are set as part of the admissions process and are not increased during the student's enrollment at NDMU. *The University reserves the right to cancel or reduce the scholarship of any student found guilty of disciplinary or honor code violations.*

Unless noted on the Award Letter, institutional scholarship funds are applied to tuition charges only. Should a student drop a class AND receive a tuition refund, their scholarship will be proportionally adjusted based on any lowered tuition cost. Scholarships will cancelled for students who choose to enroll on a part-time basis (less than 12 credits in both fall and spring semesters. Winterim courses will not be counted for the spring semester when determining full time status for institutional scholarships.)

Requirements for Scholarship and Grant Renewal

	Credit Requirement	Minimum Cumulative GPA Requirement	Other Requirements
Academic Achievement Scholarship	Earn a minimum of 12 credits per semester	2.5 throughout her 4 years	must remain continuously enrolled at Notre Dame
Endowed Scholarship	Earn a minimum of 12 credits per semester	2.5 throughout her 4 years	must remain continuously enrolled at Notre Dame
Knott Scholarship	Earn a minimum of 12 credits per semester	3.0 throughout her 4 years	must remain continuously enrolled at Notre Dame
Notre Dame Award	Earn a minimum of 12 credits per semester	2.5 throughout her 4 years	must remain continuously enrolled at Notre Dame
Notre Dame Award for Transfer Students	Earn a minimum of 12 credits per semester	2.5 throughout her 2-3 years	must remain continuously enrolled at Notre Dame
Presidential Scholarship	Earn a minimum of 12 credits per semester	2.5 throughout her 4 years	must remain continuously enrolled at Notre Dame
Transfer Scholarship	Earn a minimum of 12 credits per semester	2.5 throughout her 2-3 years	must remain continuously enrolled at Notre Dame

Renewal Requirements:

The Office of Financial Aid will review recipient's Cumulative Grade Point Average at the end each academic year to determine their eligibility for continued funding. To have their scholarships automatically renewed, recipients must achieve the requirements for their specific scholarship in the above-listed chart.

Financial Aid Appeals Committee

The Financial Aid Appeals Committee will review the academic records for all students who do not automatically meet the renewal requirements for their scholarship award. Students are placed on a Scholarship Warning after being reviewed at the end of each academic year if they fail to meet their scholarship requirements.

Students will receive written notification if the Committee adjusts or cancels their merit scholarship aid for the upcoming semester. Students have the right to appeal any decision adjusting their merit aid. Appeals must be filed within two weeks of notification that aid eligibility has been adjusted, and it must be made in writing to the Director of Financial Aid. Appeals are normally based on an unusual situation or condition preventing the student from achieving the published minimum required GPA or required credit amount needed to retain their scholarship(s). Appeals cannot be based on lack of knowledge of the scholarship requirements.

If an Appeal is granted, students will be placed on Scholarship Probation and must agree to a Probation Contract. Students will be contacted by their Academic Advising Counselor to complete their Probation Contract. If terms of the Contract are not met the following semester, the scholarship will be terminated.

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Rights and Responsibilities

Student Rights

1. to know what financial aid programs are available at Notre Dame of Maryland University;
2. to know how individual financial need was determined, how the student's budget was created, and what resources were considered in the calculation of the student's need;
3. to know the deadlines for submitting applications for each financial aid program available;
4. to know what portion of the financial aid was received that must be repaid - if the aid is a loan, students have the right to know the interest rate, the total amount that must be repaid, the payback procedures, the length of time to repay the loan and when the repayment is to begin;
5. to know how the school determines whether a student is making satisfactory progress, and what happens if they are not;
6. to request an explanation of the various programs in their aid package.

Student Responsibilities

1. students must monitor their NDMU email account and respond to requests from the Office of Financial Aid;
2. students must reapply for aid every year;
3. students must complete all application forms accurately and submit them on time - there are no exceptions as this is a federal mandate;
4. students must provide correct information. In most instances, misreporting information on financial aid applications is a violation of federal law and may be considered a criminal offense punishable by jail and/or fines;
5. students must complete all additional documentation, verification, correction, and/or new information requested by either the Office of Financial Aid or the agency to which they submitted their application;
6. students are responsible for reading and understanding all forms requiring their signature and for keeping copies of all documentation;
7. students must accept responsibility for all signed agreements;
8. students must be aware of NDMU's refund procedures and the consequences of withdrawing from classes;
9. students must report any change in their status to the Office of Financial Aid;
10. students must report any financial aid received from outside sources to the Office of Financial Aid;
11. students will use any financial aid granted to solely for educational expenses related to Notre Dame of Maryland University;
12. students must perform the work that is agreed upon in accepting a federal work-study award;
13. students must repay all student loans whether or not they graduate or complete their Program of Study.

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Satisfactory Academic Progress

Educational institutions that participate in federal financial aid programs are required to define and enforce Satisfactory Academic Progress (SAP) standards for those students receiving financial aid.

The standards used for financial aid recipients must be at least as rigorous as those applied to the general University population. These standards assure completion of a degree will occur, and within an established time frame.

The standards of Satisfactory Academic Progress measure a student's academic progress both qualitatively and quantitatively. Therefore, in addition to minimum Cumulative Grade Point Average (GPA) requirements, the federally-established standards include requirements that students progress in their academic Program of Study by successfully completing the majority of courses for which they enroll and place a limitation on the maximum period of time students can receive federal financial aid while pursuing a degree at an educational institution. In addition, certain types of courses are limited or excluded from eligibility.

These federal standards apply to all federal, state, and institutional need-based financial aid programs administered by the Office of Financial Aid. These standards of Satisfactory Academic Progress are required to maintain eligibility for financial aid. Policies differ depending on program type.

It is important to note that separate from the policy outlined here for financial aid purposes, the Office of Academic Affairs conducts reviews of student academic performance in accordance with university standards. Please refer to the latest academic *Catalog* for details about Academic Warning and Academic Probation.

Requirements for merit-based institutional scholarships exclusive of the federal standards, although institutional standards are applied.

Satisfactory Academic Progress Requirements

- maintain the required Cumulative Grade Point average of 2.0 for undergraduate students and 3.0 for graduate students;
- maintain a successful course completion rate (pace) of at least 67%;
- complete an academic Program of Study within the maximum timeframe (MTF) of 150% of the published length of the Program (undergraduates) or within the number of credits established by the Registrar's Office for the Program (graduate students); and
- meet requirements set forth by the Office of Academic Affairs.

Qualitative measure

Grade Point Average (GPA): maintenance of a minimum Cumulative Grade Point Average.

Quantitative measures

Pace/Progress

This measure assesses the pace at which a student progresses toward attainment of her/his degree. The calculation to determine the pace is to identify the number of credit hours completed toward the Program of Study and divide it by the number of credit hours attempted. To ensure quantitative progress, students are required to complete a minimum required percentage of all attempted courses.

Maximum Timeframe (MTF)

Federal law requires a Maximum Timeframe (MTF) be established during which a student receiving federal financial aid must complete their educational program. The MTF for an undergraduate Program of Study may be no longer than 150 percent of the published length of the educational program measured in academic years, semesters, or credit hours attempted. The MTF for a graduate Program of Study may be no longer than the number of credits established by the Registrar's Office for the Program of Study. All courses taken while pursuing a bachelor's degree count towards the MTF. If a student continues their educational pursuits toward a master's degree, the MTF would reset for the graduate level program. If a student completes one degree and decided to earn a second degree, the MTF would reset.

Credits counted in the MTF are all attempted credits at NDMU (even when not a financial aid recipient) and all transfer credits accepted toward their academic Program of Study (at the time of SAP Review). At the point that all required coursework for an academic Program of Study has been completed, financial aid eligibility will be suspended even if the student does not apply to graduate.

The maximum timeframe for NDMU merit-based and need-based funding is 8 semesters for students who started as first-year students and 6 semesters for students who started as transfers.

Academic Probation

Students who are placed on Academic Probation by the Office of Academic Affairs are considered to be failing SAP standards (even if the GPA, Pace, and MTF requirements are being met).

Frequency of Review

The Office of Financial Aid will review the status of all financial aid applicants annually, when grades are available. Winterim credits will be reviewed with spring semester credits. The review consists of the cumulative record of all prior semesters (including semesters when a student may not have received financial aid funding), including transfer credits accepted toward an academic program at the time of the SAP Review. All elements of Satisfactory Academic Progress will be evaluated: Cumulative Grade Point Average, maximum timeframe, pace/progress rate, and Academic Probation.

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Sources of Funding

Learn more

- Federal Grants (/undergraduate-catalog/financial-aid/sources-of-funds/federal-grants?menu=sources-of-funds)
- Loans (/undergraduate-catalog/financial-aid/sources-of-funds/loans?menu=sources-of-funds)
- Scholarships (/undergraduate-catalog/financial-aid/sources-of-funds/scholarships?menu=sources-of-funds)
- State Grants (/undergraduate-catalog/financial-aid/sources-of-funds/state-grants?menu=sources-of-funds)

Federal Grants

Federal Grants, unlike Loans, do not have to be repaid. Federal Grants have varying award criteria but are considered a foundation of financial aid upon which other federal or non-federal sources might be added.

Grants have varying maintenance requirements. Some include but are not limited to:

- Minimum enrollment requirements (including prorated amounts depending on enrollment,
- minimum Satisfactory Academic Progress requirements,
- maximum award,
- award based on financial need,
- award based on Total Cost of Attendance,
- degree sought, and
- submission deadlines.

Learn more

- Iraq and Afghanistan Service Grant (/undergraduate-catalog/financial-aid/sources-of-funds/federal-grants/iraq-and-afghanistan-service-grant?menu=federal-grants)

- Pell Grants (/undergraduate-catalog/financial-aid/sources-of-funds/federal-grants/pell-grants?menu=federal-grants)
- Supplemental Educational Opportunity Grant (SEOG) (/undergraduate-catalog/financial-aid/sources-of-funds/federal-grants/supplemental-educational-opportunity-grant-seog?menu=federal-grants)
- TEACH Grant Program (/undergraduate-catalog/financial-aid/sources-of-funds/federal-grants/teach-grants?menu=federal-grants)

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Iraq and Afghanistan Service Grant

A student whose parent or guardian was a member of the U.S. Armed Forces and died as a result of service performed in Iraq or Afghanistan after September 11, 2001 may be eligible to receive the Iraq and Afghanistan Service Grant.

Additional Student Eligibility Requirements

- Must be ineligible for a Federal Pell Grant due only to having less financial need than is required to receive Pell funds,
- be under 24 years old, or
- enrolled in college at least part-time at the time of the parent's or guardian's death.

The grant award is equal to the amount of a maximum Pell Grant for the award year – not to exceed the cost of attendance for that award year.

Grants are similar to scholarships in that they are free financial aid students are not required to repay. Grants are awarded through federal, state, or University funds to students with high financial need.

Information from the Free Application for Federal Student Aid (FAFSA) is used to determine eligibility for the federal, state and institutional grants.

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Pell Grants

A Federal Pell Grant, unlike a loan, does not have to be repaid. Pell Grants are awarded only to undergraduate students who have not earned a bachelor's or a professional degree. Pell Grants are considered a foundation of federal financial aid, to which aid from other federal and nonfederal sources might be added. There are limits on the maximum amount a student is eligible to receive each academic year and in total (aggregate Pell Grant limit).

The EFC (Expected Family Contribution) calculated by the FAFSA (Free Application for Federal Student Aid) determines if the student is Pell-eligible and the amount the student is entitled to receive. To qualify for a Pell Grant, the Office of Financial Aid must receive a valid FAFSA while the student is enrolled. If the FAFSA is received after the semester is over, the Pell Grant awarded must be based upon completed credits.

Students are limited to 12 semesters (600%) of Pell Grant eligibility during their lifetime. According to the Consolidated Appropriations Act, 2012 (Public Law 112-74), the following are basic guidelines for Pell eligibility:

- Available to undergraduate students with no prior bachelor's or professional degree;
- The *maximum* award for 2019-20 year is $6,195;
- The amount of each Federal Pell Grant depends on a student's financial need, cost of education, and enrollment status; and
- The amount reported on a student's Award Letter is based on student's enrollment at the time the Award Letter was generated. If the student is enrolled for less than full-time, their award will be adjusted accordingly (6-8 credits = 1/2 Pell, 9-11 credits = 3/4 Pell and 12+ credits = full-time Pell).

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Supplemental Educational Opportunity Grant (SEOG)

Available to Pell Grant eligible undergraduate students with exceptional financial need.

The amount awarded is determined by the student's need and the availability of funds at the Univesity.

To apply for the grant, students should complete a Free Application for Federal Student Aid (FAFSA) by NDMU's priority deadline of February 15. This grant is awarded on a priority basis using the FAFSA receipt date and based on the availability of funds.

TEACH Grant Program

Through the College Cost Reduction and Access Act of 2007, Congress created the Teacher Education Assistance for College and Higher Education (TEACH) Grant Program that provides grants of up to $4,000* per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families in a high need subject area.

In exchange for receiving a TEACH Grant, students/graduates must agree to serve as a full-time teacher in a high-need field in a public or private elementary or secondary school that serves low-income students (see below for more information on high-need fields and schools serving low-income students). As a recipient of a TEACH Grant, students/graduates must teach for at least four academic years within eight calendar years of completing the Program of Study for which they received a TEACH Grant.

The 2019 Gdeadline for all TEACH Grant recipients to submit documentation of completed teaching service or to certify intent to satisfy the srvice obligation is October 31, 2019. this annual certification deadline is seperate from the starting in 2019, in October, students (TEACH recipients) will be contacted by the Financial Aid Office to tell students how to submit

documentation of progress towards completing the TEACH Grant Service Obligation, or the Certification of intent to satisfy the Service obligation. If this is not submitted, all TEACH Grants will be converted to Direct Unsubsidized loans.

Eligibility Requirements:

- Must complete a Free Application for Federal Student Aid (FAFSA),
- be a U.S. Citizen or eligible non-citizen,
- be enrolled as an undergraduate, post-baccalaureate, or graduate student in a post secondary educational institution,
- be enrolled in coursework necessary to begin a career in teaching or plan to complete such coursework. Such coursework may include subject area courses (e.g., math courses for a student who intends to be a math teacher),
- meet certain academic achievement requirements (generally, scoring above the 75th percentile on a college admissions test or maintaining a cumulative GPA of at least 3.25), and
- sign a TEACH Grant Agreement to Serve (see below for more information on the TEACH Grant Agreement to Serve).

If an applicant meets these requirements, they must complete a TEACH Grant Application and submit it to the Office of Financial Aid.

Additional Information

The Department of Education's Annual Directory of Low-Income Schools for Teacher Cancellation Benefits includes both elementary and secondary schools.

Other identified teacher shortage areas can be found at http://www.ed.gov/about/offices/list/ope/pol/tsa.doc.

High-need fields include:

- Bilingual Education and English Language Acquisition
- Foreign Language
- Mathematics
- Reading Specialist
- Science
- Special Education

For further information, please see http://www.studentaid.ed.gov/PORTALSWebApp/students/english/TEACH.jsp or email the Office of Financial Aid.

TEACH Grant Agreement to Serve

If a student is eligible to receive the TEACH Grant, they must sign a TEACH Grant Agreement to Serve that is available electronically on the Department of Education Web site. The TEACH Grant Agreement to Serve specifies the conditions under which the grant will be awarded, the teaching service requirements, and includes an acknowledgment by the student they understand that if they do not meet the teaching service requirements, they must repay the grant as a Federal Direct Unsubsidized Loan, with interest accrued from the date the grant funds were disbursed.

For each TEACH Grant-eligible program for which the student received TEACH Grant funds, they must serve as a full-time teacher for a total of at least four academic years within eight calendar years after they completed or withdrew from the academic Program of Study for which they received the TEACH Grant. The student must perform the teaching service as a highly-qualified teacher at a low-income school. The term highly-qualified teacher is defined in section 9101(23) of the Elementary and Secondary Education Act of 1965 or in section 602(10) of the Individuals With Disabilities Education Act.

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Loans

An education loan is a form of financial aid that must be repaid, with interest. Education loans come in three major categories: student loans, parent loans, and alternative loans (also called private student loans).

The ultimate responsibility of financing an education lies with the student. Students who finance their education with student loans must understand that with the acceptance of the loan comes the responsibility of prompt and full repayment.

The University stresses this responsibility not only because loan repayment is ethically correct, but also because loan default could eventually lead to loss of financial aid to future students.

Types of Loans

- Federal Direct Subsidized and Unsubsidized Loans
- Federal Direct Parent PLUS Loan
- Federal Perkins Loan
- Private Student Loans

Learn more

- Alternative and Private Student Loans (/undergraduate-catalog/financial-aid/sources-of-funds/loans/alternative-and-private-student-loans?menu=loans)
- Federal Direct Parent PLUS Loans (/undergraduate-catalog/financial-aid/sources-of-funds/loans/federal-direct-parent-plus-loans?menu=loans)
- Federal Direct Subsidized and Unsubsidized Loans (/undergraduate-catalog/financial-aid/sources-of-funds/loans/federal-direct-sub-and-unsub?menu=loans)

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Alternative and Private Student Loans

Alternative or private loans are non-federal loans offered by some banks and credit unions.

The purpose of an alternative or private loan is to supplement a student's financial aid package. Alternative loans are not federally endorsed or guaranteed, but they generally must be certified by the Office of Financial Aid at NDMU. An alternative loan cannot exceed your cost of attendance (http://www.ndm.edu/admissions/financial-aid/how-to-apply/cost-of-attendance/) (financial aid budget) minus all other financial aid.

Note: Notre Dame of Maryland University does not endorse any specific lender or group of lenders. The application for an alternative student loan is made directly through the lending institution. As a part of this process, the Office of Financial Aid will certify enrollment and other information for the borrower.

Federal Direct Parent PLUS Loans

Parent PLUS loans help parents of dependent undergraduate students pay educational expenses. Loan funds come directly from the U.S. government. Parents can borrow up to the difference between NDMU's estimated Cost of Attendance and other aid or resources expected to be received. Parent PLUS loans have an interest rate of 7.08% for the 2019-2020 Aid Year, this is the fixed rade for the life of the loan.

Eligibility

A parent applying for a Federal Parent PLUS Loan must be the biological or adoptive parent of a dependent undergraduate student. Step-parents whose information is included on the FAFSA are also eligible to apply for the loan. Parents must have an acceptable credit history or be able to apply with an eligible co-signer. Application process is posted on the financial aid website.

Disbursement Process

- When the loan is scheduled to disburse, the Department of Education will send the funds to Notre Dame electronically.
- All funds will disburse through the student's NDMU student account.

- After tuition and other charges on the account are paid, any remaining balance will be issued to the student or parent via a check (depending upon how the parent completed the application), and will be mailed to the address on record with the University.

PLUS Loan Fees

For 2019–2020 Parent PLUS loans, which will disburse after October 1, 2019 and before October 1, 2020, a 4.236% origination fee will be charged by the U.S. Department of Education.

Repayment Terms

Repayment begins within 60 days after the final disbursement of each loan. Borrowers may be able to postpone principal payments while the student is in school (up to four years). Contact the Direct Loan Servicer for repayment and forbearance options. The maximum repayment period is 10 years, and the minimum monthly payment is $50.

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Federal Direct Subsidized and Unsubsidized Loans

The Federal Direct Subsidized Loan is a student loan that is available to undergraduate students only. The Federal Direct Unsubsidized Loan is a student loan that is available to undergraduate, graduate, and pharmacy students. Loan funds come directly from the U.S. government.

To Apply for the Federal Direct Subsidized or Unsubsidized Loan:

First, the student must complete the Free Application for Federal Student Aid (FAFSA) and meet the eligibility requirements. Then, the student must follow the steps below.

Returning Students

There are no steps required to renew Federal Direct Subsidized or Unsubsidized loans for students who received this type of loan at NDMU during the previous academic year.

New Students/First Time Borrowers at Notre Dame:

Go to studentloans.gov and log in using the FSA ID, then:

Step 1: Choose the option Complete Entrance Counseling.

Step 2: Choose the option Complete Master Promissory Note (MPN).

Subsidized vs. Unsubsidized Loans

A student's Federal Direct Loan award may be Subsidized, Unsubsidized or the combination of the two.

Subsidized Direct Loan

- Subsidized loans are only available to undergraduate students.
- The Subsidized Loan is awarded for the academic year and is based on the student's financial need, dependency status, and academic grade level.
- Financial need is calculated by the Cost of Attendance minus the Estimated Family Contribution (EFC) determined by FAFSA and any other aid received.
- The federal government subsidizes or pays the interest on the loan while the student is enrolled at least half-time and in an eligible period of deferment.
- Interest will be charged once the student's grace period begins.

Unsubsidized Direct Loan

- The Unsubsidized Loan is awarded based on the Cost of Attendance minus any other aid the student will receive, the student's dependency status, and the student's academic grade level.
- Students are responsible for the interest on this loan from the time the loan is disbursed until it is paid in full. The federal government DOES NOT subsidize the interest on this loan.
- Students may choose to defer the interest during enrollment and deferment periods, but it will be capitalized (added to the principal amount).

Interest Rates

For 2019-2020, the interest rates on all Federal Direct Loans (both subsidized and unsubsidized) is 4.53% for undergraduate students, and 6.08% for graduate or professional students.

Fees

For 2019–2020 loans, which will disburse after October 1, 2019, a 1.059% origination fee will be charged by the U.S. Department of Education.

Loan Limits for Each Year

Once the borrower has received Direct Subsidized Loans for a period that is 150% of the published length of the borrower's current education program, the borrower is no longer eligible for Direct Subsidized Loans.

A first-time borrower who loses eligibility for additional subsidized loans loses interest subsidy on subsidized loans received on or after July 1, 2013 if the borrower did not complete the program AND continues enrollment in the program OR enrolls in another program of the same of shorter length.

For students enrolled as regular students in eligible programs, annual Federal Direct Loan limits are as follows:

	BASE AMOUNT (SUB/UNSUB)	ADDITIONAL LOAN (UNSUB)	TOTAL
First-year	$3,500	$2,000	$5,500
Sophomore	$4,500	$2,000	$6,500
Junior	$5,500	$2,000	$7,500
Senior	$5,500	$2,000	$7,500

Independent Undergraduate Students and Dependent Undergraduate Students Whose Parents Cannot Borrow PLUS

	BASE AMOUNT (SUB/UNSUB)	ADDITIONAL LOAN (UNSUB)	TOTAL
First-year	$3,500	$6,000	$9,500
Sophomore	$4,500	$6,000	$10,500
Junior	$5,500	$7,000	$12,500
Senior	$5,500	$7,000	$12,500

Graduate and Pharmacy Students

	BASE AMOUNT (SUB/UNSUB)*	ADDITIONAL LOAN (UNSUB)	TOTAL

Graduate Students (pursuing Master's or Ph.D degree, CASE program)	$8,500	$12,000	$20,500
Graduate Students (pursuing teaching certification, if independent)	$5,500	$7,000	$12,500
Pharmacy Students	$8,500	$24,500	$33,000

Cumulative (Total) Loan Limits

Federal regulations set aggregate, or total, loan limits in addition to the annual loan limits. Students cannot borrow more than the Aggregate Loan Limit for all subsidized and unsubsidized loans at all schools.

	MAXIMUM SUBSIDIZED	MAXIMUM UNSUBSIDIZED
Dependent Undergraduates	$23,000	$31,000
Independent Undergraduates	$23,000	$57,500
Graduate/Professional Students	$65,500	$138,500
Certain Health Professional Students (ie Pharmacy)	$65,500	$224,000

Scholarships

Scholarships are an attractive way to pay for college because they are not required to be repaid. Considered to be gift aid, scholarship awards may range from a few hundred dollars to full tuition.

Students are encouraged to consult with the Office of Financial Aid regarding scholarship opportunities at Notre Dame University of Maryland.

Learn more

- External Scholarships (/undergraduate-catalog/financial-aid/sources-of-funds/scholarships/external-scholarship?menu=scholarships)
- Institutional Scholarships (/undergraduate-catalog/financial-aid/sources-of-funds/scholarships/institutional-scholarships?menu=scholarships)
- NDMU Endowed Scholarships (/undergraduate-catalog/financial-aid/sources-of-funds/scholarships/scholarships_1?menu=scholarships)
- State Scholarships (/undergraduate-catalog/financial-aid/sources-of-funds/scholarships/state-scholarship?menu=scholarships)

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External Scholarships

Office of Financial Aid promotes a variety of external scholarships to students. External scholarships vary greatly from year to year. Therefore, the Office of Finanacial Aid internally posts these external scholarships, when available. Students are encouraged to consult with the Office of Financial Aid to determine external scholarship availability.

Students are responsible for reporting any external scholarship sources to the Office of Financial Aid.

Institutional Scholarships

Awarded by the Office of Admissions to prospective first-year students and transfers, these awards range from $1,000 to full tuition.

Notre Dame of Maryland University selects recipients based on academic achievement, participation in activities, and leadership roles. Scholarship recipients are expected to continue striving for excellence in these areas while enrolled at the University. The awards are renewable for four years or eight semesters, as long as the student is enrolled full time (scholarships for transfer students are limited to six semesters). All applicants for admission are automatically reviewed for an award. The award amounts DO NOT increase.

Institutional Scholarships and Grants have requirements a student must maintain in order to keep their award from year to year. If requirements are not met, a student's aid could be placed on Probation or terminated.

Students pursuing a second bachelor’s degree are not eligible to receive institutional aid from NDMU, with the exception of Nursing students who are reviewed for institutional aid as part of the admissions process.

NAME	AMOUNT	ELIGIBILITY	ELIGIBLE STUDENTS
Academic Merit Scholarships	$17,000-$25,000	3.0 grade point average and higher Combined SAT of 1050 (Critical Reading and Math scores) or higher Strong co-curricular involvement and high class ranking	First-year college students
Notre Dame Awards	$10,000-$15,000	Strong academic records and programs Co-curricular activities and class ranking Special talents, achievements and consistent involvements in areas such as art, band, community service, creative writing, leadership and other skills (excluding athletic participation)	First-year college students & transfer students
Endowed Scholarships	$1,000-$5,000	Varies by each scholarship (excluding athletic participation)	First-year college students & transfer students
Transfer Scholarships	$10,000-$20,000	For students coming to Notre Dame with at least 30 credits 3.2 grade point average and higher at previous institution	Transfer students
Presidential Scholarships	Up to Full Tuition	The most qualified students (with 3.7 grade point average and SAT score of 1350 or higher) receiving academic merit scholarships may be invited to campus to compete for additional scholarship dollars.	First-year college students



Art Competition	$2,500-$3000	Students with artistic talents may submit a portfolio. Winner receives $3,000. Second and third place awards are $2,500.	First-year college students &transfer students
Knott Scholarships	Up to Full Tuition	Marion Burk Knott scholarships are awarded to Catholic students residing within the Archdiocese of Baltimore who have the highest levels academic excellence and consistent display of leadership and service.	First-year college students
Notre Dame Scholarship	$1,000-$2,000	The Notre Dame scholarships will be awarded by the Office of Financial Aid. This scholarship is open to returning Traditional Undergraduate students with a minimum 3.0 grade point average. The application is available in April each year. The deadline has passed for 2015–16.	Returning Traditional Undergraduate students
Notre Dame Book Store Scholarship	Varies	The Notre Dame Book Store Scholarship will be awarded by the Office of Financial Aid. This scholarship is open to any returning student in any program with a minimum 2.0 grade point average that also demonstrates financial need. The application is available in April each year. The deadline has passed for 2015–16.	



State Scholarships

Considered to be gift aid, scholarships are an attractive way to pay for college because they do not have to be repaid. Awards may range from a few hundred dollars to paying full tuition.

The following are State Scholarships offered through Notre Dame of Maryland University:

Maryland Senatorial Scholarships

- Available to current high school seniors and full-time and part-time, degree-seeking undergraduate and graduate students.
- The minimum annual award amount is $400 and the maximum award is $9,000.
- Financial need is required.
- Complete and file the FAFSA by March 1. Contact your senator in February for further instructions.

Both the student and parents/guardians must be Maryland residents in order to be eligible for financial assistance from the state. Go to mdelect.net to search for your delegate or senator.

Maryland House of Delegates Scholarships

- Available to current high school seniors and full-time or part-time, degree-seeking undergraduate and graduate students.
- The minimum annual award is $200.
- Financial need may be required.
- Complete and file the FAFSA by March 1. Contact your delegates in February for further instructions.

Both the student and parents/guardians must be Maryland residents in order to be eligible for financial assistance from the state. Go to mdelect.net to search for your delegate or senator.

Edward T. Conroy Memorial Scholarship Program

Applicants must meet one of the following requirements to eligible:

- Applicants must be the son, daughter, stepchild or surviving spouse (who has not remarried) of a member of the U.S. Armed Forces who died or suffered a serviced connected 100% permanent disability as a result of military service.
- Applicant must be a veteran who suffers a service-connected disability of 25% or greater as a result of military service and has exhausted or is no longer eligible for federal veterans education benefits.
- Applicants must be the son, daughter, stepchild, or surviving spouse (who has not remarried) of a victim of the September 11, 2001 terrorist attacks who died as a result of the attacks on the World Trade Center, the Pentagon, or the crash of the United Airlines Flight 93.
- Applicant must be a POW/MIA of the Vietnam Conflict or his/her son, daughter or stepchild.
- Applicant must be the son, daughter, stepchild, or surviving spouse (who has not remarried) of a state or local public safety employee or volunteer who died on the line of duty or who was 100% disabled in the line of duty.
- Applicant must be a state or local public safety employee or volunteer who was 100% disabled in the line of duty.
- Son or daughter or surviving spouse (who has not remarried) of a school employee who, as a result of an act of violence either died in the line of duty or sustained an injury in the line of duty that rendered the school employee 100% disabled.

NOTE: Applicants must be Maryland resident, with the exception of a spouse, son or daughter if a Maryland state or local public safety employee killed in the line of duty.

Award Amount: Equal to tuition and fees, not to exceed $10,900.

How to Apply: Applications are sent from the Office of Financial Aid via NDM email and are available **online** (http://www.ndm.edu/admissions/financialaid/forms-and-publications/).

NOTE: Award is not based on financial need

Deadline: Applications must be submitted to the Office of Financial Aid by July 15.

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State Grants

Grants, unlike Loans, are funding sources with do not have to be repaid. State Grants are those sources of grant funding provided through the State of Maryland. Each State Grant has varying criteria, including submission deadlines as well as minimum criteria including but not limited to: Program (area) of Study, academic standards, and financial need.

Please consult the Office of Financial Aid for assistance in seeking State Grants as funding for particular programs is impacted directly by state allocation/support.

Learn more

- 2+2 Transfer Scholarships (/undergraduate-catalog/financial-aid/sources-of-funds/state-grants/22-transfer-scholarships?menu=state-grants)
- Howard P. Rawlings Educational Assistance grant (/undergraduate-catalog/financial-aid/sources-of-funds/state-grants/howard-p-rawlings-educational-assistance-grant?menu=state-grants)
- Howard P. Rawlings Guaranteed Access Grants (/undergraduate-catalog/financial-aid/sources-of-funds/state-grants/howard-p-rawlings-guaranteed-access-grants?menu=state-grants)

- Maryland Part-Time Grants (/undergraduate-catalog/financial-aid/sources-of-funds/state-grants/maryland-part-time-grant?menu=state-grants)
- Workforce Shortage Grants (/undergraduate-catalog/financial-aid/sources-of-funds/state-grants/workforce-shortage-grants?menu=state-grants)

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2+2 Transfer Scholarships

The 2+2 Transfer Scholarship assists transfer students from Maryland community colleges to attend a 4-year institution.

Eligibility

- Must be a legal resident of Maryland;
- currently enrolled at a community college in Maryland;
- earned an associate's degree by the end of the semester which the student plans to transfer;
- must be accepted to a degree program at a 4- year higher education institution in Maryland; and
- enrolled to complete a bachelor's program

Award Amount

The annual award amount will be $1,000. For students who enroll in a science, teaching, engineering, computer science, mathematics, or nursing program, the amount will be $2,000.

How to Apply

Applicants must submit the 2+2 Transfer Scholarship application on MD CAPS, file the Free Application for Federal Student Aid (FAFSA), submit an official college transcript reflecting the applicant has earned an associate's degree from a community college in Maryland, and the documentation if applicable that the student has registered with the selective service system.

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Howard P. Rawlings Educational Assistance grant

Any Maryland high school senior or undergraduate student is eligible to apply for an Educational Assistance Grant. Awards are made by the State Scholarship Administration based upon the student's demonstrated financial need.

Eligibility

- Must be a legal resident of Maryland;
- must demonstrate financial need; and
- must be accepted for admission as a full-time student (minimum 12 credits per semester) in one of the eligible, degree-granting institutions in the State of Maryland.

Award Amount

Grant values range from $400 to $3,000 per year.

How to Apply

To apply for the grant, the student's Free Application for Federal Student Aid (FAFSA) (https://fafsa.ed.gov/) must be received by the state by March 1. This grant is awarded on a priority basis on the FAFSA receipt date and based on the availability of funds.

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Howard P. Rawlings Guaranteed Access Grants

Any Maryland high school senior whose annual total family income is below 130 percent of the Federal poverty level is eligible to apply for a Guaranteed Access Grant.

Eligibility

- Must be a legal resident of Maryland;
- must begin college within one year of completing high school;
- must have successfully completed a college preparatory program and achieved an unweighted Grade Point Average of at least 2.5 on a 4.0 scale; and
- must be accepted for admission as a full-time student (minimum of 12 credits per semester) in one of the eligible degree-granting institutions in the State of Maryland.

Award Amount

The amount of a grant equals 100 percent of the student's financial need. The minimum annual award amount is $400 and the maximum award is $18,400. Notre Dame of Maryland University participates in the Guaranteed Access Partnership Program that provides a matching grant to

recipients of the GA Grant. The amount of the match grant will be comprised of academic and institutional awards.

How to Apply

To be considered for a Guaranteed Access Grant, students must submit a Guaranteed Access Grant application (http://www.mhec.state.md.us/financialAid/descriptions.asp) to the Office of Student Financial Aid and your Free Application for Federal Student Aid (FAFSA) (https://fafsa.ed.gov/) must be received by the State by March 1.

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Maryland Part-Time Grants

The Maryland Part-Time grant is available for part-time (6-11 credits), degree-seeking undergraduates.

Award Amount

The minimum Part-Time Grant award is $200, and the maximum award is $2,000. Funds may not be available to award all eligible students.

How to Apply

Students must complete and file the Free Application for Federal Student Aid (FAFSA) (https://fafsa.ed.gov/). The Office of Financial Aid will award to eligible students in the fall and spring semesters. No application is required.

Contact for Financial Assistance Information from the State of Maryland:

Maryland Higher Education Commission
Office of Student Financial Assistance
839 Bestgate Road, Suite 400

Annapolis, MD 21401-3013
www.mhec.state.md.us (http://www.mhec.state.md.us/)
410-260-4500 or 1-800-974-0203

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Workforce Shortage Grants

The Workforce Shortage Student Assistance Grant (WSSAG) program is for students who plan on working in specific career/occupational programs upon graduation. The grant is available for current high school seniors, full-time and part-time, degree-seeking undergraduate and graduate students enrolled in eligible accredited Maryland postsecondary institution.

Eligible Fields

- Child Care
- Human Services
- Teaching
- Nursing
- Physical and Occupational Therapy
- Public Service

How to Apply

Complete and file the Workforce Shortage Student Assistance Grant application (http://www.mhec.state.md.us/financialAid/ProgramDescriptions/prog_WSSAG.asp) by July 1 and provide official transcripts from institutions attended. To be considered, based on need,

students must file the Free Application for Federal Student Aid (FAFSA) (https://fafsa.ed.gov/) for the application year. The FAFSA is not required; however, it will be used to determine the order in which students will be awarded.

Certain Majors may requires additional documentation, which will be noted on the application. Applicants for the William Donald Schaefer Scholarship are required to submit, in addition to the application and transcripts, a FAFSA, a 1,000 word essay on a topic determined by the Commission and Advisory Council, a resume and three (3) letters of reference.

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Verification of Eligibility

Verification is a federally mandated review process. The Office of Financial Aid is required to confirm the accuracy of information submitted on the FAFSA for students who have been selected for verification by the U.S. Department of Education.

Students are notified by email if they are selected for verification. Students may also review their financial aid status on WebAdvisor. Students selected for verification must submit all required documents. Verification can be a lengthy process; therefore, we strongly recommend students and their families submit requested documents as soon as possible.

Failure to submit requested documentation may result in cancellation of aid previously offered. Federal student financial assistance (e.g. Federal Pell Grant, Federal Direct Loans, etc.) cannot be processed or credited to the student's account until the verification process is complete.

Any differences between information on documents submitted to the Office of Financial Aid and information on the FAFSA will result in a new determination of financial need. This new determination of financial need may alter the student's financial aid awards and eligibility. Students will be notified when a revised financial aid award has been generated due to verification adjustments.

Please be aware of financial aid deadlines. If requested documents/data is not provided, financial aid will be forfeited.

Verification Information

If selected for verification, students will be notified via email regarding necessary documentation to be submitted. Students will submit only requested documentation.

If a student is selected for verification and they have not used the IRS Data Retrieval Tool (DRT) on the FAFSA, they will be asked to do so. This is a process which allows tax information to be imported directly from the IRS into the FAFSA Application.

The IRS Data Retrieval Tool will *not* be available under the following circumstances:

- A joint tax return was filed for the student or the student's parents and they have filed the FAFSA with a marital status of separated, divorced or widowed;
- if the tax filer is married to someone other than the individual included on the joint tax return;
- if the parent or student was not married in the prior year but is married at the time the FAFSA is filed. The current spouse's income must be reported on the FAFSA;
- if the parents or the student is married but filed tax returns separately; and
- if an amended tax return was filed.

If the IRS Data Retrieval Tool is not available, students must request a tax return transcript (not a tax account transcript) directly from the IRS using one of these methods:

- **ONLINE:** Go to the IRS website to request a paper transcript be mailed to the requestor within 5 to 10 days. THIS CANNOT BE SENT DIRECTLY TO NDMU. After you receive it, send it to the Office of Financial Aid at Notre Dame of Maryland University.
- **TELEPHONE:** Call (800) 908-9946 to request a paper transcript that will be mailed to the requestor within 5 to 10 days. THIS CANNOT BE SENT DIRECTLY TO NDMU. After you receive it, send it to the Office of Financial Aid at Notre Dame of Maryland University.
- **IRS FORM 4506T-EZ:** Use this form to request a paper transcript that will be mailed to the requestor within 5 to 10 days. Transcripts ordered using this method can be mailed directly to NDMU by the IRS only if the tax filer requests this on line five.

IF AN IRS 1040 WILL NOT AND IS NOT REQUIRED TO BE FILED

The filers must attest that an IRS 1040 has not and will not be filed and that the IRS 1040 is not required to be filed. Copies of all W-2 forms from all employers must be submitted to the Office of Financial Aid.

Applicants filing a Puerto Rico tax return or a foreign tax return may not use the IRS Data Retrieval Tool and must send a signed and notarized copy of their tax documents translated into English.

EXCEPTIONS TO THE IRS DATA RETRIEVAL TOOL AND TAX TRANSCRIPT

For amended tax returns, the following must be submitted:

SIGNED copy of original tax return OR tax return transcript AND a SIGNED copy of the 1040X form

For students/parents who have been granted a tax filing extension, the following may be submitted:

Copy of the IRS Form 4868 (application for automatic extension) and copies of all W-2s, unless self-employed - provide a signed statement of AGI and taxes paid.

When Is IRS Data Retrieval Tool Available?

The timing of when the IRS Data Retrieval Tool will be available is dependent upon the requestor's tax liability at the time of filing and if the requestor filed electronically or by paper. See the table below for more details.

	Electronic Filing	**Paper Filing**
Filer who either did not owe an amount, or is expecting a refund	2-3 weeks after submission in most cases	8-11 weeks later in most cases
Filer who owed an amount, and made a full payment *while*filing	2-3 weeks after submission in most cases	IRS will start processing the tax return in *June*, Data Retrieval Tool is available 2-3 weeks later in most cases
Filer who owed an amount, and made a full payment *after*filing	3-4 weeks after the payment is processed by the IRS in most cases	IRS will start processing the tax return in *June*, Data Retrieval Tool is available 2-3 weeks later in most cases
Filer who owed an amount, and have not yet paid in full	IRS will start processing the tax return in *May*, Data Retrieval Tool is available 2-3 weeks later in most cases	IRS will start processing the tax return in *June*, Data Retrieval Tool is available 2-3 weeks later in most cases

When can I request my Tax Return Transcripts?

Availability to the requestor of a copy of their Tax Return Transcripts depends on their tax liability at the time of filing and whether they filed electronically or by paper.

	Electronic Filing	**Paper Filing**
Filer who either did not owe an amount, or is expecting a refund	2-3 weeks after submission	8-11 weeks later
Filer who owed an amount & made a full payment while filing	2-3 weeks after submission	IRS starts processing tax return in June, Tax Return Transcript requests can be made 2-3 weeks later
Filer who owed an amount & made a full payment *after* filing	3-4 weeks after payment is processed by the IRS	IRS starts processing tax return in June, Tax Return Transcript requests can be made 2-3 weeks later
Filer who owed an amount & has not yet paid in full	IRS starts processing tax return in May, Tax Return Transcript requests can be made 2-3 weeks later	IRS starts processing tax return in June, Tax Return Transcript requests can be made 2-3 weeks later

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International Programs

- Study Abroad and Short-Term Academic Experience Abroad
- Summer Service Abroad
- International Education Internships
- International Students
- English Language Institute

Study Abroad and Short-Term Academic Experience Abroad

Notre Dame of Maryland University is committed to providing all students an educational experience that is truly international. Students are encouraged to include study abroad in their educational program while at the University. Study in another culture will enrich students' academic study and can help them develop an international perspective, intercultural and linguistic skills, and a sense of global responsibility.

Notre Dame students have access to many semester and summer programs around the world through approved vendors and NDMU exchange agreements. Students who participate in these sponsored programs earn Notre Dame credit for course work. Grades and credits are reported on the students' Notre Dame transcripts and calculated in their GPA. Where possible, study

abroad courses may be used to fulfill requirements in the Major and General Education. Students who qualify for federal, state or institutional aid may generally apply that aid to Notre Dame-sponsored programs.

Short-term faculty-led academic programs abroad are regularly offered throughout the academic year. These one- to three-week courses, taught by Notre Dame faculty, may be taken for academic credit or for personal enrichment.

Notre Dame students may apply for permission to participate in study abroad programs not sponsored by the University. Coursework completed as part of a non-sponsored program in which a student earns a grade of C (or better) will be posted to the student's Notre Dame transcript as transfer credit and will not be calculated in the GPA. Courses taken as part of non-sponsored study abroad programs may not be used to fulfill General Education or Major requirements. Exceptions to this policy are granted only in special circumstances and prior approval must be obtained. Students who qualify for federal aid may apply that aid to non-sponsored study abroad programs.

Students who wish to participate in semester or summer programs must meet the following requirements: have completed 30 credits at the time they apply, have declared a Major, and have a cumulative GPA of 2.75 (Individual study abroad programs may have different GPA requirements.). Transfer students must have completed one semester at NDMU before they can apply (some programs have additional requirements.) Because of the time required to obtain transcripts of courses taken abroad, students may not study abroad during their last semester at Notre Dame.

The Office of International Programs can assist students in planning international study, internships, service, and work abroad programs. Please contact 410-532-5561 or oip@ndm.edu.b

International Students

Notre Dame values the contribution international students make to the community and welcomes applications from these students. Programs and services for international students include the English Language Institute, orientation, immigration counseling and a voluntary mentor/mentee program. For information on applying as an international student, see the admissions section.

For more information on international programs at Notre Dame of Maryland University, contact the Office of International Programs at 410-532-5561 or oip@ndm.edu.

Back to top

English Language Institute (ELI)

The English Language Institute (ELI) offers an intensive English program to women and men from around the world who seek to improve their English language skills for academic, career, or personal pursuits. International students at Notre Dame are also invited to take courses in the ELI to supplement their learning at the University. Students can study full-time or part-time and take courses in listening and speaking, writing and grammar, reading and discussion, TOEFL preparation, vocabulary, pronunciation, advanced skills through language and culture and other electives. The ELI also offers the TOEFL exam several times a year for students interested in applying to a degree program. If you are interested in learning more about the ELI, please email eli@ndm.edu (mailto:eli@ndm.edu) or call 410-532-5566.

Back to top

Learn more

- English Language Institute (/undergraduate-catalog/international-programs/english-language-institute?menu=international-programs)
- International Students (/undergraduate-catalog/international-programs/international-student-information?menu=international-programs)
- Study Abroad and Short Term Academic Experience Abroad (/undergraduate-catalog/international-programs/study-abroad?menu=international-programs)

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English Language Institute

The English Language Institute (ELI) offers an intensive English program to women and men from around the world who seek to improve their English language skills for academic, career, or personal pursuits. International students at Notre Dame are also invited to take courses in the ELI to supplement their learning at the University. Students can study full-time or part-time and take courses in listening and speaking, writing and grammar, reading and discussion, TOEFL preparation, vocabulary, pronunciation, advanced skills through language and culture and other electives. The ELI also offers the TOEFL exam several times a year for students interested in applying to a degree program. If you are interested in learning more about the ELI please email eli@ndm.edu (mailto:eli@ndm.edu) or call 410-532-5566.

International Students

Notre Dame values the contribution international students make to the community and welcomes applications from these students. I Programs and services for international students include the English Language Institute, orientation, immigration counseling and a voluntary mentor/mentee program. For information on applying as an international student, see the admissions section.

For more information on international programs at Notre Dame of Maryland University, contact the Office of International Programs at 410-532-5561 or oip@ndm.edu.

Study Abroad and Short Term Academic Experience Abroad

Notre Dame of Maryland University is committed to providing all students an educational experience that is truly international. Students are encouraged to include study abroad in their educational program while at the University. Study in another culture will enrich students' academic study and can help them develop an international perspective, intercultural and linguistic skills, and a sense of global responsibility.

Notre Dame students have access to many semester and summer programs around the world through approved vendors and NDMU exchange agreements. Students who participate in these sponsored programs earn Notre Dame credit for course work. Grades and credits are reported on the students' Notre Dame transcripts and calculated in their GPA. Where possible, study abroad courses may be used to fulfill requirements in the Major and General Education. Students who qualify for federal, state or institutional aid may generally apply that aid to Notre Dame-sponsored programs.

Short-term faculty-led academic programs abroad are regularly offered throughout the academic year. These one- to three-week courses, taught by Notre Dame faculty, may be taken for academic credit or for personal enrichment.

Notre Dame students may apply for permission to participate in study abroad programs not sponsored by the University. Coursework completed as part of a non-sponsored program in which a student earns a grade of C (or better) will be posted to the student's Notre Dame transcript as transfer credit and will not be calculated in the GPA. Courses taken as part of non-sponsored study abroad programs may not be used to fulfill General Education or Major requirements. Exceptions to this policy are granted only in special circumstances and prior approval must be obtained. Students who qualify for federal aid may apply that aid to non-sponsored study abroad programs.

Students who wish to participate in semester or summer programs must meet the following requirements: have completed 30 credits at the time they apply, have declared a Major, and have a cumulative GPA of 2.75 (Individual study abroad programs may have different GPA requirements.). Transfer students must have completed one semester at NDMU before they can apply (some programs have additional requirements.) Because of the time required to obtain transcripts of courses taken abroad, students may not study abroad during their last semester at Notre Dame.

The Office of International Programs can assist students in planning international study, internships, service, and work abroad programs. Please contact 410-532-5561 or oip@ndm.edu.

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(http://www.ndm.edu/)
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Baltimore, Maryland 21210

410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0&z=15)

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Nondiscrimination and Sexual Misconduct Policy and Procedures

Nondiscrimination Policy

Notre Dame of Maryland University ("University" or "NDMU") values safety, cultural and ethnic diversity, social responsibility, lifelong learning, equity, and civic engagement. Consistent with these principles, the University does not discriminate in offering equal access to its educational programs and activities or with respect to employment terms and conditions on the basis of age, ancestry, color, creed, disability, gender, gender identity, genetic information, marital status, national origin, race, religion, sex, sexual orientation, or protected veteran's status in accordance with applicable federal, state, and local laws and regulations including but not limited to Title IX of the Education Amendments of 1972 as amended (Title IX), Title VI of the Civil Rights Act of 1964 as amended (Title VI), Title VII of the Civil Rights Act of 1964 as amended (Title VII), Section 504 of the Rehabilitation Act of 1973 (Section 504), Americans with Disabilities Act of 1990 as amended (ADA), and Age Discrimination in Employment Act of 1967 as amended.

The University's associated compliance responsibilities and the administration of the University's Non-discrimination and Sexual Misconduct Policies are managed through the Title IX Coordinator. Inquiries or concerns may be referred to Greg FitzGerald, Title IX Coordinator, Gibbons Hall, Room

106, 4701 N. Charles Street, Baltimore, MD 21210, 410-532-5109, gfitzgerald@ndm.edu (mailto:gfitzgerald@ndm.edu). Inquiries or concerns regarding compliance with Section 504, ADA , and/or other civil rights laws regarding disabilities may be referred to the Amy Morales, Director of Accessibility & Health Promotion, Theresa Hall, Room 009, 4701 N. Charles Street Baltimore, MD 21210, 410-532-5401 (http://tel:4105325401/), amorales@ndm.edu (mailto:amorales@ndm.edu).

Additional information is available through:

U.S. Department of Education
Office for Civil Rights
The Wanamaker Bldg. Region III Office
100 Penn Square, East-Suite 515
Philadelphia, PA 19107
Telephone: (215) 656-6010

Sexual Misconduct Policy and Procedures

Notre Dame of Maryland University ("University" or "NDMU") seeks to foster and maintain an atmosphere of mutual respect and concern for all members of the University community. As such, the University does not discriminate against students, faculty or staff based on sex in offering equal access to its educational programs and activities or with respect to employment terms and conditions. Sexual- and gender-based harassment and misconduct, including sexual violence, are a kind of sex discrimination and are prohibited by Title IX and the University.

NDMU is committed to maintaining a campus environment that is free from discrimination based on sex, and maintains that commitment by responding promptly and effectively when it learns of any form of possible discrimination based on sex. The University responds to reports of sexual harassment, including sexual violence, as part of its efforts to stop the misconduct, prevent its recurrence, and remedy its effects. In compliance with Title IX, the University has Sexual Misconduct and Sexual Harassment policies.

Policies and Procedures

- Sexual Misconduct Policy (PDF) (http://www.ndm.edu/sites/default/files/pdf/ndmu_sexual_misconduct_policy_final_09012017.pdf)
- Sexual Misconduct Procedures (PDF) (http://www.ndm.edu/sites/default/files/pdf/ndmu_sexual_misconduct_procedures_final_09012017.pdf)

Inquiries

Direct inquiries concerning the application of Title IX, including complaints or concerns to:

Title IX Coordinator
Gregory Fitzgerald
Chief of Staff
Gibbons Hall #106A
(410) 532-5109
gfitzgerald@ndm.edu (mailto:gfitzgerald@ndm.edu)

Notre Dame of Maryland University
(http://www.ndm.edu/)
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Careers at NDM
(http://www.ndm.edu/about/human-resources/)

Contact Us (mailto:webmaster@ndm.edu)

Follow Us on Twitter
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Like Us on Facebook
(http://www.facebook.com/NotreDameOfMaryland)

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Online Learning

Online learning

Online Courses

All distance education courses (i.e. online, hybrid, blended) align with the credit hour policies. Distance education course learning objectives, assignments, and assessments are comparable to in-seat courses and require at least as many hours of study and provide the same rigor and, thus, result in the same credit hours awarded upon completion. NDMU designates online courses through section codes that include OL or section numbers 90 through 99.

Online Courses are facilitated on our Brightspace learning management platform (LMS).

Undergraduate students must confer with their advisors before they register for an (OL) course across modalities, and are limited to no more than four (4) cross modality OL enrollments per degree tenure. Section num 90-00 are also online or hybrid courses and may be available to undergraduate students per request or following approval of their advisor.

Once a student crosses student type modalities four times, the Registrar will place a modality hold on their account. This modality hold will halt any further cross modality enrollments.

Students may change student type only one time during their academic program tenure. This means that an OL student may request to change their classification and become an on-campus student or an on-campus student may request to change their classification and become an on OL student. Once a student type is changed, it cannot be changed back until the program is completed or a student fully withdrawals (separates) from the University for more than one academic year.

The student classification determines the tuition charged for enrollment, despite modality. Meaning, an OL student who crosses modalities and enrolls in an on-campus course will be charged the OL credit hour tuition for the on-campus course, or the on-campus student who elects to enroll in an OL course will be charged the on-campus tuition for the OL course. The Business Office charges tuition based upon student type.

If a student decides to change student type moving from an OL classification to an on-campus classification or on-campus classification to an OL classification, the student is required to work with an advisor and the registrar's office to ensure these changes are recorded in the student account resulting in proper tuition and registration charges. It is the student's responsibility to ensure his or her student classification is accurately coded in WebAdvisor.

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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Student Records

All official academic records of all students, past and present, are housed in the Office of the University Registrar (Registrar's Office). Questions regarding a student's official academic record should be directed to the University Registrar.

The following are general policies regarding Student Academic Records (official) at Notre Dame of Maryland University.

Privacy Rights of Students
File Confidentiality and Availability
Additional Academic Files
Other Records
Release of Records
Background Checks
Court Requests
Placement Records
Records of Deceased Students
Directory Information
Consent Not Required
Concerns and Complaints
Photo Release

Privacy Rights of Students

Notre Dame of Maryland University complies with the provisions of The Family Educational Rights and Privacy Act (FERPA) (https://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html?src=rn), as amended, and associated regulations. FERPA establishes requirements regarding the privacy of student records and provides students with certain rights with respect to their education records.

These include:

- the right to inspect and review their records;
- the right to request an amendment of the student's education record they believe is inaccurate;
- the right to consent to disclosure of personally identifiable information (PII) contained in the student's record (except where FERPA authorizes disclosure without consent).

Students and others who want specific information regarding their rights of access to official academic educational records maintained in their names should contact the Registrar's Office (https://www.ndm.edu/registrar).

One exception that permits disclosure without consent is for school/university officials with legitimate educational interests. See the Consent Not Required section for more information.

Students have the ability to provide an approval for others (parents, spouses, etc) to have access to educational and financial records by completing an Authorization to Release Student Information Form (https://www.ndm.edu/registrar/student-forms).

Back to top

File Confidentiality and Availability

The official academic records of all students, past and present, are housed in the Registrar's Office. The official transcript contains identifying information, a complete record of all coursework, transfer credits, academic status and any degree(s) or certificate(s) granted. The transcript is kept as a permanent record of the University.

For non-matriculated students, only a permanent record of course work completed at NDMU is retained.

These files, including the permanent record, are available for student review upon request. Members of the faculty or administration also have access to these records if they have a legitimate interest in the material and demonstrate a need to know as approved by the University Registrar.

Back to top

Additional Academic Files

Academic advisors have access to the academic records of their advisees. They also maintain academic progress reports of their students. These files are retained for the advisor's use only and are not official records or documents.

Any additional academically related files held by individual members of the faculty and/or administration are for the use of the individual holder only.

Back to top

Other Records

The Director of Financial Aid maintains records on students applying for and receiving financial aid. Financial records of students who receive aid are maintained for a period of four years after graduation or withdrawal.

Health records of Women's College students are maintained for the use of health service personnel only. The student may request a professional of her choice (medical doctor, psychiatrist) examine their health records. Such a request will be honored by the University Health Service.

Back to top

Release of Records

Grade Reports

Semester grade reports are available through the student's personal WebAdvisor/Self-Service account at the end of each semester. The grade report is also available to the student's academic advisor. Grade reports cannot be released until all financial obligations have been met.

Transcripts

No transcript will be issued without written authorization from the student. No telephone, email, or third-person requests will be honored. Transcript requests should be made at least one week in advance of expected delivery. Transcripts will not be released until all financial obligations to the University are met.

Back to top

Background Checks



Government agencies conducting background checks on potential government employees are provided information upon presentation of a written release from the student. Agents are given information from the file by a member of the Registrar's staff, but are not given access to the file itself.

Back to top

Court Requests

The University will honor court subpoenas for information from official files if the court has jurisdiction over the University. An attempt will be made to notify the student, at the last known address, of the court's and the University's actions. If the student so requests, copies of the subpoenaed information will be provided.

Back to top

Placement Records

NDMU does not operate a permanent, ongoing placement service for its graduates.

Back to top

Records of Deceased Students

The records of deceased students may be released to survivors under the following circumstances: The order of succession for requests is first for the surviving spouse, parent, executor of the estate and eldest surviving child; then the eldest surviving sibling; and then any surviving descendent. The requestor must provide as much of the following information as possible: name of the student; social security number; date of attendance at Notre Dame; and a copy of the death certificate. The requestor must provide the following personal information: name, address, evidence of qualification to receive the records (see order of succession above), phone number, signature, and date of the request.

Back to top

Personally Identifiable Information (PII)

is defined in the FERPA regulations as:

1. The student's name;
2. The name of the student's parent or other family members;
3. The address of the student or student's family;
4. A personal identifier, such as the student's social security number, student number, or biometric record;

5. Other indirect identifiers, such as the student's date of birth, place of birth, and mother's maiden name;
6. Other information that, alone or in combination, is linked or linkable to a specific student that would allow a reasonable person in the school community, who does not have personal knowledge of the relevant circumstances, to identify the student with reasonable certainty; or
7. Information requested by a person who the educational agency or institution reasonably believes knows the identity of the student to whom the education record relates. (Authority: 20 U.S.C. 1232g)

FERPA permits the disclosure of PII from students' education records, without the consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations, including Directory Information.

Directory Information

Notre Dame considers the following to be Directory Information:

- Student's Name;
- Email Address;
- Photograph (when created by the University for the purposes of promotion or advertisement);
- Major/minor/concentration/field of study;
- Dates of attendance;
- Grade level (e.g. junior, senior);
- Degrees, honors, and awards received;
- Participation in officially recognized activities and sports;
- Weight and height of members of athletic teams

Students must send a written request to the Registrar's Office in the first week of the semester to place a hold on the release of any of this Directory Information. The hold is valid for one semester.

Back to top

Consent Not Required

FERPA permits the disclosure of personally identifiable information, without student consent, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations to the following parties:

- School officials with legitimate educational interests;
- Other schools to which a student is transferring;

- Specified officials for audit or evaluation purposes;
- Appropriate parties in connection with financial aid to a student;
- Organizations conducting certain studies for or on behalf of the University;
- Accrediting agencies organizations;
- Parent of a dependent student as defined for IRS tax purposes;
- To comply with a judicial order or lawfully issued subpoena;
- Appropriate officials in cases of health and safety emergencies;
- Information the University has designated as "directory information";
- Alleged victim of a crime;
- Parent of a student under 21 regarding the violation of a law regarding alcohol or drug abuse

Back to top

Concerns or Complaints

Any member of the campus community who has reason to believe that NDMU is not complying with the requirements of FERPA should inform the NDMU Registrar in writing.

A student has the right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC 20202.

https://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html
(https://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html)

Back to top

Photo Release

Notre Dame of Maryland University has the right to the use and reproduction of photographs taken of students while they are enrolled, for present and future use in University publications and marketing efforts, without compensation to the student. A student who does not wish to have a photo used must submit a signed statement to the Registrar's Office before the first Friday of each semester.

Back to top

Veterans Affairs

Thank you for your extraordinary contributions and sacrifices as a member of the armed services. We understand the challenges of transitioning from service member to student, and we are committed to ensuring you have a positive experience at NDMU.

Whether you are a traditional student studying full-time in the Women's College or a working professional studying part-time in the College of Adult Undergraduate Studies, the University has a long history of providing quality educational programs that meet the needs of all students.

Enroll with VA Education Benefits

1. Apply to the University (https://www.ndm.edu/apply-now).
2. Once admitted, obtain an Application for Program of Education Form (VA form 22-1990) (http://www.gibill.va.gov/) from the Department of Veterans Affairs and submit the NDMU Intent to Register Form to the Registrar's office.
3. Submit a copy of the completed application to the Registrar's office.
4. You must be registered for classes before enrollment certification can be sent to the Buffalo Regional Processing Center.
5. Additional payment and/or fees for the balance after VA education benefit disbursement are the student's responsibility.
    1. While waiting for VA education benefit disbursement students will not:
        1. Be assessed late fees
        2. Be prevented from enrolling
        3. Be required to secure alternative or additional funding
        4. Be denied access to any school resources

Financial Aid for Veterans and Dependents

Students, Veterans, and Dependents are eligible for various grants, scholarships and tuition assistance. Refer to the Updated GI Bill® (https://www.accreditedschoolsonline.org/resources/financial-aid-scholarships-for-veterans/).

"GI Bill®" is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at www.benefits.va.gov/gibill (https://nam11.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.benefits.va.gov%2Fgibill&data=04%7C01%7CSPrice%40ndm.edu%7C29ba7fee65824fac823b08d94097622e%7C23e76ce8053b4

Additional Programs

Maryland Army National Guard Tuition Waiver Program

NDMU is pleased to be a "Partner in Education" with the Maryland National Guard through its Tuition Waiver Program. In addition to available Guard benefits, service men and women are eligible for:

- 50% tuition waiver for undergraduate courses
- 25% tuition waiver for graduate courses

How to Apply

1. Apply to NDMU (https://www.ndm.edu/apply-now)
2. Complete the State Tuition Waiver form (https://military.maryland.gov/NG/Pages/tuition-assistance.aspx)
3. Have your Unit Commander sign the letter
4. Present the approved tuition waiver to the business office (https://www.ndm.edu/business-office) and display valid military ID

Some program limitations and exclusions may apply, including NDMU Online (https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fonline.ndm.edu%2F&data=05%7C01%7CSPrice%40ndm.edu%7C54b5254a61a44ce786c808da758f5bcc%7C23e76ce8053b4267b0d3 Hybrid Accelerated Bachelor of Science in Nursing, Doctorate in Pharmacy (Pharm.D.), Doctorate in Occupational Therapy (OTD), and Ph.D. in Instructional Leader in Changing Populations. Please contact the University's Business Office (https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ndm.edu%2Fbusiness-office&data=05%7C01%7CSPrice%40ndm.edu%7C54b5254a61a44ce786c808da758f5bcc%7C23e76ce8053b4267b0d3b497df4bbaf8%7C1%7C0%7C63795 to determine if a program is eligible.

Yellow Ribbon Program

Notre Dame proudly participates in the Yellow Ribbon Program and has committed $4,000 for up to 10 full-time undergraduate students each year, which is matched by the VA.

Learn more about the Yellow Ribbon GI Education Enhancement Program (http://www.benefits.va.gov/gibill/yellow_ribbon.asp), a provision of the Post-9/11 Veterans Educational Assistance Act of 2008.

Troops to Teachers

As an approved provider of teacher certification in Maryland, Notre Dame also participates in the Troops to Teachers program.

The program provides a link between active duty and veteran armed service members who desire to pursue a career in education by providing:

- Counseling
- Financial Assistance
- Placement Assistance

Troops to Teachers (https://www.dantes.doded.mil/EducationPrograms/become-a-teacher/troopstoteachers.html) is a federal program funded by the Department of Education and administered by the Department of Defense through the Defense Activity for Nontraditional Education Support (DANTES).

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General Education and Courses Across Disciplines

Learn more

- Interdisciplinary Studies (IDS) (/undergraduate-catalog/general-education-and-courses-across-disciplines/interdisciplinary-studies?menu=general-education-and-courses-across-disciplines)
- Physical Education (/undergraduate-catalog/general-education-and-courses-across-disciplines/physical-education_1?menu=general-education-and-courses-across-disciplines)

Interdisciplinary Studies (IDS)

Department

Degrees offered

Campuses

Main Campus

Interdisciplinary Studies is a rigorous and unique Program offering students the versatility to design academic plans through the process of integrative learning. Working closely with their advisors, students develop Integrative Learning Plans comprised of two- or three-disciplines that integrate multicultural and multidisciplinary perspectives. To meet NDMU students' diverse social, cultural, and educational needs, IDS offers both on-campus and online credit-earning opportunities.

Courses

ASC-100 Heritage and Values I

This course is offered through the University of Maryland College Park ROTC program. Freshman course for AFROTC cadets. Introduces students to the United States Air Force and encourages participation in Air Force Reserve Officer Training Corps. Featured topics include: overview of ROTC, special programs offered through ROTC, mission and organization of the Air Force, brief history of the Air Force, introduction to leadership and and leadership related issues, Air Force Core Values, Air Force officer opportunities, and an introduction to communication studies. Leadership laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences. An elective but required for freshmen desiring the four-year AFROTC program. Corequisite: AFROTC cadets must also register for ARSC059, Air Force Officer Lab (UMD course number); ASC-159 (https://catalog.ndm.edu/courses/list/index.php?dept=ASC#ASC-159) (NDMU course number). [1 credit]

ASC-159 Air Force Officer lab

This course is offered by the University of Maryland College Park ROTC program. Class will have online meetings with an option to meet face-to-face. See the instructor for details. Restriction: Must be an AFROTC cadet. Repeatable to 10 credits if content differs. Formerly ARSC159 (UMD course). [1 credit]

ASC-200 Team and Leadership Fundamentals I

This course is offered through the University of Maryland College Park ROTC Program. Sophomore course for AFROTC cadets. Study of factors contributing to the development of air power from its earliest beginnings through two world wars; the evolution of air power concepts and doctrine; introductory leadership; and assessment of communicative skills. Corequisite: AFROTC cadets must also register for ARSC059, Air Force Officer Lab (UMD course number); ASC-159 (https://catalog.ndm.edu/courses/list/index.php?dept=ASC#ASC-159) (NDMU course number). [1 credit]

IDS-105 Dimensions of College Skills, Learning and Achievement

Provides students with assessments of skills in writing, reading and mathematics which then are integrated into customized coaching for each student. The class stresses communication and integrated into customized coaching for each student. The class stresses communication and quantitative problem solving readiness for academic success in first-year entry-level studies.

Connections between career aspirations and choice of acdemic major will be explored with the guidance of faculty, academic success coaches and career development professionals. [3 credits]

IDS-150 Introduction to Women's Studies

Helps students examine the differing meanings of feminism based on readings and films from a variety of disciplinary perspectives. Examines how race, ethnicity, class, age, ability and sexual orientation shape women's points of commonality and difference. Includes a service-learning project involving incarcerated women. Fulfills general education requirement in gender studies. [3 credits]

IDS-160 Introduction to Peace Studies

This is an introduction to peace and justice studies. The course focuses on negative peace (i.e., eliminating direct violence, including war) as well as positive peace building (fostering an equitable economic system and ecological balance). The course analyzes the roots of violence and inequity as well antidotes to these problems. Fulfills general education requirement in cross-cultural studies and history. [3 credits]

IDS-172 Honors: The Axial Age: Philosophy of East and West

Considers the new ways of thought that emerged in the ancient Near East, Greece, India and China during the first millennium B.C. ("the axial age"). Thinkers reconsidered basic areas of concern-the transcendent, human nature, the family, society, government, knowledge, the past and death-in relation to the pre-existing culture. For example, this re-interpretation of tradition led to the rise of Biblical Judaism in the Near East; classical philosophy in Greece; the Upanishads and Buddhism in India; and Confucianism and Daoism in China. In this seminar, students discuss the thought of the "axial age," compare ideas across civilizations and learn how to write philosophical essays. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in 200 level philosophy. [3 credits]

IDS-200 Foundations of Leadership for Women

Presents an interdisciplinary approach to developing leadership skills in a world of social change. Students will examine multiple leadership paradigms with a focus on models that are inclusive, empowering, purposeful, ethical and process-oriented. They will critically examine their own perceptions about leadership; identify relevant leadership attitudes, behaviors and skills; and apply leadership knowledge through a variety of experiences including self-assessment, skill development, service-learning and small group team activities. [3 credits]

IDS-226 Why Care? Justice and Service

Provides students with an opportunity to study the University's mission of social responsibility through readings and discussion. Students will also develop a hands-on understanding of what it means to be a socially-responsible citizen through a service-learning experience. [3 credits]

IDS-230 Career Decision Making Seminar

A readings and discussion course which will focus on career development theories and applications. Students will learn strategies to help them choose a major and/or career, identify interests, skills and values, develop effective job-hunting and career advancement strategies. Career assessment and resume construction are included.

IDS-231 Honors: The Science of Science Fiction

Considers science fiction as a literature of ideas-the ideas of modern science. Selects contemporary science fiction writers and film makers in order to gain a perspective on the development of a fiction of scientific ideas and a prophecy of future technological change. Employs reading, film and the campus planetarium. Prerequisite: Morrissy scholar or permission. [3 credits]

IDS-235 Hrs: Decision Points: Major, Career, Vocation

Examines meaning and desires to live a meaningful life. A meaningful life has been reflected upon and written about through the centuries, reflecting the lives of those who struggle to discover their place in the world and means by which they will experience fulfillment. This course is designed to assist students in considering who they want to be and what they want their lives to mean, exploring the possible avenues by which that meaning will find expression, and pursuing the practical considerations necessary to bring dreams to concrete fulfillment. Perequisite: Morrissy Honors Students only or permission of Morrissy
Honors Director. [3 credits]

IDS-271 Honors: Romanticism: The Beautiful Infinite

Analyzes seminal works of the 19th century Romantic movement in the fields of art and music. The relatedness of the two forms is revealed through discovery of common themes running through works of the Romantic period-the emancipation of the individual, the love of nature, nationalism, and fondness for the fantastic and the exotic. Common qualities of expression found among the two art forms during the period also emerge, providing a holistic sense of the intellectual and artistic atmosphere of the times. Opportunities for visits to museums, concerts, and theatre or opera performances are provided. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in fine arts. [3 credits]

IDS-273 Honors: Living in the New Millenium

Explores life in the new millennium: what has been, what is now and what is to come. Examines questions of political and social movements, population growth, cultural diversity, emergent economics, technological change, biological engineering and space exploration in the first 50 years of the 21st century. Prerequisite: Morrissy scholar or permission. [3 credits]

IDS-300 Found of Leadership for Women

The course presents an interdisciplinary approach to developing leadership skills in a world of social change. Students will examine multiple leadership paradigms with a focus on models that are inclusive, empowering, purposeful, ethical, and process-oriented. They will critically examine their own perceptions about leadership, identify relevant leadership attitutdes, behaviors, and skills, and apply leadership knowledge through skill development, service learning, and small group team activities. Women's College students must have completed the Emerging Leaders program and transfer, CE, and WEC students should have completed BUS 302 Principles of Management. 3 credits.

IDS-310 Service Abroad: Women in Leadership and Service

Service abroad is an independent, self-sustaining course which enhances all departments and programs. It is another opportunity for Notre Dame women to further expand their knowledge of the world and their self-giving. Service Abroad immerses the participant more deeply into the culture of another country. Prerequisite: Completion of required independent study/lab with a grade of B and Junior/Senior standing. Fulfills general education requirement in cross-cultural studies. [3 credits]

IDS-310L Service Abroad Lab: Women in Leadership and Service

This independent study, prior to the actual service, introduces the student to the history, culture and language of the country where she will give service. The exact content of the course is determined by the instructor and depends on the student's knowledge and level of preparation. Prerequisite: Permission of program director. Fulfills general education requirement in cross-cultural studies. [1 credit]

IDS-325 Hrs: Educating Women: Amer Exp

This course examines the educational experience of women in the United States in the 19th and 20th centuries. Students survey ideas, attitudes and arguments about the education of women; explore the history of academies and women's colleges, coeducation in public and private schools and colleges, and the uniquely American expansion of educational and professional opportunities for women. Includes the work of pioneers and contemporary leaders. Prerequisite: Morrissy Scholar or permission. 3 credits.

IDS-326 Honors: Reading Rare Books

Examines rare books from library archives and digital collections, and students complete project-based assignments working first-hand with rate materials from the Loyola Notre Dame Library collection. The courses culminate with students proposing a digital humantities resource that curates their original archival research from the semester. In order to prepare for the proposal, students learn the fundamentals of book history and textual studies, a branch of theory that investigates the production, circulation, and reception of the book in society and how the physical features of books impact the experience of reading. Students also have the opportunity to create an original, handmade book themselves. Prerequisite: Morrissy Honor Scholar or permission of Morrissy Program Director. [3 credits]

IDS-340 Introduction to Catholic Studies

Provides an overview of various dimensions of the Roman Catholic faith, including Catholic practices, histories, cultures and doctrines. Topics to be considered are: Catholic spirituality and institutions, Catholic ecumenism and inter-religious dialogue, Catholicism and the arts, sciences and social action; the history of the Catholic Church, global Catholicism, contemporary Catholic theology, and the future of the Catholic Church. Prerequisite: RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies.

IDS-361 Career Internship

Combines the experiential component of an on-site professional work placement with an interdisciplinary consideration of work-related issues. Focus of the course is on integrating the academic component with work experience through reflection, class discussion and assignments. Prerequisites: Completed 30 credits, attended an Academic Career and Enrichment Center internship orientation workshop, minimum sophomore status, and academic advisor's permission. [2, 3 or 4 credits]

IDS-369 Honors: Genethics

Provides students with the opportunity to understand and evaluate various religious and philosophical positions and arguments on a range of contemporary moral issues related to biotechnology. Explores the science of genetics and its application to the fields of biology, technology and medicine. Examines selected topics in the ethics of genetic testing, research, drugs and therapy. Prerequisite: Morrissy scholar or permission; RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements for 300/400 level religious studies and values. [3 credits]

IDS-371 Hrs: Power of Ideas

IDS-373 Honors: Cosmos and Creation: Religion and Science

Explores the relationship between religion and science as bodies of knowledge, modes of inquiry, and ways of knowing. Examines the complex history of science and religion as social institutions in various degrees of cooperation and tension. Areas of inquiry will include theology, spirituality, scientific theories, and philosophy of science, as well as the intersection of these areas at key historical moments such as the Copernican revolution, natural selection, and the development of quantum physics. Prerequisite: RST 201. Fulfills general education requirement for 300/400 level religious studies. [3 credits]

IDS-374 Hrs: Gaming and Society

Gaming and Society explores gaming's intersections with themes such as art, economics, history, culture, race, media, training, and gender. Learners will critically examine, analyze, and discuss gaming and its many facets as they perform scholarly research and analyze games and their narratives for cultural and societal significance. They will also cultivate next-generation skills such as creativity, problem-solving, collaboration, communication, and multimedia production as they collaboratively develop their own game premise and present both written and oral professional-quality proposals to industry experts. Prerequisite: traditional undergraduate Morrissy Honors program. Junior/Senior level. [3 credits]

IDS-376 Hrs: Family Bonds

IDS-377 Hrs: Heritage Civ & Jew

IDS-378 Honors: The Holocaust

Explores the roots of anti-Semitism and the rise to power of the Nazis. Considers the development of the German policies toward the Jews, from economic discrimination to planned extermination, the fate of Jews in various countries under German control, and the possibility of resistance and opportunities for rescue. Prerequisite: Morrissy scholar or permission. [3 credits]

IDS-380 Research Apprentice

Introduces an academically-based didactic experience in which the student is trained in the methods of research at the college level for a specific discipline. The student serves as a research apprentice to a faculty mentor within the student's academic discipline. There is an interdisciplinary monthly seminar for all apprentices, an experiential student research component, weekly office hours and weekly supervision with the faculty mentor. Permission of instructor and research mentor. [1, 2, or 3 credits: 10 semester hours for 1 credit; 20 semester hours for 2 credits; or 30 semester hours for 3 credits]



IDS-410 Seminar: Leadership and Social Change

Helps students integrate previous academic and experiential learning to address a contemporary social issue, and develop workable and innovative solutions to tackle some aspect of that social issue. With coordinator approval, students may take the seminar portion of the course along with a relevant senior-level practicum in their major. [3 credits]

IDS-411 Topics: Green Baltimore

Through an intensive seminar and discussion format, this course will consider the "green movement" and sustainability initiatives with particular attention to the Greater Baltimore area. Topics will include green business practices, sustainability and the environmental climate in Maryland, green science, the debate on global warming and related questions, and the role of modern communications media in the public debate on these matters. [3 credits]

IDS-430 Science and Health Policy: Critical Issues

Provides opportunities for students to attend a Washington, D.C. seminar to learn first-hand from women scientists, leading health experts, medical researchers, and pharmaceutical representatives who are shaping our nation's agenda in this critical policy arena. Speakers are drawn from a variety of agencies and organizations including the National Science Foundation, National Institutes of Health, and the National Research Council. Field trips to some government agencies. Students need to register in two placed to attend the seminar and receive college credit. Students must register for the Winterim course at NDMU (IDS-430 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-430)) and they must also complete a registration from www.plen.org. [3 credits]

IDS-440 Senior Seminar in Women's Studies

Explores issues concerning women through research and research methodologies that use and apply multidisciplinary feminist theory. This is the culminating capstone seminar for the community of women's studies scholars. Prerequisites: IDS-150 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-150), two women's studies electives or permission of instructor. [3 credits]

IDS-450 Seminar Experience: Peace and Justice

Provides students with a focused seminar experience that allows them to consider the coursework for the minor through the acquired lens of peace and justice studies. Prerequisite: IDS-160 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-160). [3 credits]

IDS-455 Seminar in Catholic Studies

Serves as the capstone for the Catholic Studies minor. As such, it provides students with a focused seminar experience that encourages substantial guided research on a topic in Catholic

Studies mutually agreed upon by student and professor. May include a service learning component. Prerequisite: IDS-340 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-340). [3 credits]

IDS-461 Professional Internship

Combines an on-site professional work placement with opportunities to reflect on the work experience as it relates to the student's overall academic program. The focus of the course is on development of effective job search and networking skills and strategies, career management and advancement, and professional growth and development. Prerequisites: completion of 30 credits, attendance at an Academic Career and Enrichment Center internship orientation workshop, sophomore status, academic advisor permission, completion of IDS-361 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-361) or department practicum. [2, 3 or 4 credits]

IDS-462 Advanced Professional Internship

Offers a departmentally-monitored, off-campus professional work experience for upper-level students who have completed IDS-461 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-461) and do not have a required departmental practicum. Students work with their academic advisor or a designated faculty member to identify objectives for the experience and complete related assignments. Prerequisites: completion of 30 credits, meetings with an Academic Career and Enrichment Center counselor and with one's academic advisor or designated faculty member, sophomore status, academic advisor permission and completion of IDS-461 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-461) or department practicum. [2, 3 or 4 credits]

IDS-471 Honors: Politics and Ethics of War and Peace

Explores war and peace through an examination of historical conflicts, social science explanations, ethical positions and alternative peace proposals. Considers 20th century conflicts and alternative explanations of war, and the individual, state and international levels. Compares and contrasts ethical positions from several religious and philosophical traditions. Prerequisite: Morrissy scholar or permission and RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements in 300/400 religious studies, values, and history. [3 credits]

IDS-479 Honors: Philosophy Through Literature

Takes a fresh look at traditional philosophical problems using classic philosophical texts and literary works that deal with common issues. Considers the questions: What is self? Is there an answer to the problem of evil? Are our actions free or determined? Are there any objective moral values? Is the material world real? Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in 300/400 level philosophy. [3 credits]

IDS-480 Advanced Research Apprentice

Expands the academically based didactic experience of IDS-380 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-380) in which the student is trained in the methods of research at the college level while serving as a research apprentice to a faculty member within the student's academic discipline. In this second course, the apprentice deepends and broadens skills and techniques related to research project and to demonstrate more independence in executing research. This course provides a unique opportunity for students to train for post-baccalaureate research teaching assistantships through skill development. Prerequisite: IDS-380 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-380). [1, 2, or 3 credits: 10 semester hours for 1 credit; 20 semester hours for 2 credits; 30 semester hours for 3 credits]

IDS-496 Teaching Apprentice

Introduces an academically-based didactic experience in which the student is trained in the philosophy and methods of teaching at the college level for a specific discipline. The student serves as an educational apprentice to a faculty mentor within the student's academic discipline. There is an interdisciplinary monthly seminar for all apprentices, an experiential student teaching component, weekly office hours and weekly supervision with the faculty mentor. Permission of instructor. [3 credits]

IDS-498 Advanced Teaching Apprentice

Expands the academically based didactic experience of IDS-496 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-496) in which the student is trained in the philosophy and methods of teaching at the college level while serving as an educational apprentice to a faculty member within the student's academic discipline. In this second course, the apprentice develops skills and techniques to assess student work in the content area. This course provides a unique opportunity for students to train for post-baccalaureate teaching or graduate teaching assistantships through skill development. Prerequisite: IDS-496 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-496). [3 credits]

Physical Education

Department

Degrees offered

Special Academic Program

Campuses

The Physical Education Program is an integral part of a liberal arts education as it incorporates the concept of a healthy body with a healthy mind. Physical education is designed to encourage the student's knowledge, interest, competence, and participation in physical activities and to develop strategies to improve and promote lifelong holistic well-being. Both theory and skill-based courses are offered.

Requirements

Students are required to complete 1 credit in Wellness. The following courses may be taken to fulfill the requirement: PED-128 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-128), PED-160 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-160), PED-231 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-231), & PED-232 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-232). Students may complete up to 3 credits of physical education toward the 120 graduation credit total. Students may opt to take more than 3 credits of Physical Education credits as electives that do not count toward the 120 credit minimum.

The General Education Requirement may be fulfilled through participation on a University varsity athletic team in accordance with University policy. Policy information is available in the Physical Education office, the Athletic Department and from the Registrar's office.

Courses

PED-128 Pickleball

Instructs students in the theoretical and practical application of basic principles of fitness and training and their connection to overall holistic health. The course will focus on incorporating the game of pickleball as part of an overall strategy for increased holistic health and fitness benefits. The vocabulary, rules, ad basic skills necessary to play pickleball will be an integral part of the course. Fulfills general education requirement in physical education and well-being. [1 credit]

PED-129 Racquetball

Instructs students in the fundamental skills and rules of the game. Playing regularly will be the emphasis of this course. Fulfills general education requirement in physical education. [1 credit]

PED-145 Disc Golf

Instructs students in the vocabulary, rules, and basic skills necessary to play disc golf. Participation in disc golf, both in practice and informal completion will be the primary component of physical activity in the course. Students will also be instructed in the basic components of fitness and principles of training. Fulfills general education requirement in physical education. [1 credit]

PED-150 Walking for Fitness

Instructs students in the basic principles of training and in walking for fitness. Walking will be the primary component of physical activity in the course. Fulfills general education requirement in physical education. [1 credit]

PED-160 Busy Life, Healthy Life

Instructs students in the basic components of fitness and principles of training and their connection and importance to overall holistic health. Students will assess their personal daily activity levels and diets and develop strategies to incorporate more physical activity and a healthier lifestyle into daily life. Students are required to have a wearable fitness tracker that at a minimum measures steps and distance. Fulfills general education requirement in physical education and well-being.[1 credit]

PED-161 Connecting the Dots: The Mind, Body, Spirit Relationship

Explores how health is defined as an optimal state of physical, emotional, mental, social, and spiritual well-being. This course investigates and practices a holistic approach to achieving and maintaining a healthy sense of well-being. Fulfills the one credit wellness or PED general education requirement. [1 credit]

PED-231 Theory of Physical Fitness and Wellness

Introduces the concept of "holistic wellness" as it relates to students in today's society. Individual and global wellness issues will be explored. Class discussion, student input, and student projects and presentations are paramount to this course. Fulfills general education requirement in physical education and well-being. [2 credits]

PED-232 Theory and Practice of Aerobic Conditioning

Instructs students in the theoretical and practical application of basic principles of fitness and training, with an emphasis on aerobic conditioning and the impact of physical fitness on overall holistic health. Teaches the necessary techniques to develop individualized aerobic conditioning programs and strategies for lifelong fitness and health. Fulfills general education requirement in physical education and well being. [1 credit]

PED-233 Theory and Practice of Weight Training

Instructs students in the in the theoretical and practical application of basic principles of fitness and training with an emphasis on weight training. Students will develop individualized weight training programs by applying principles to personal goals. Fulfills general education requirement in physical education. [1 credit]

PED-301 American Women in Sports History

Explores the history of women in sports with an emphasis on the important contributions of American women. Examines how the social and cultural evolution of gender roles and stereotypes have influenced women's participation and achievement in sports. Focuses on how race, class, sexual orientation and significant events in history have affected women's sports in America. The course will be taught from a feminist perspective by affirming the basic principle that a society's rights, opportunities, privileges, and responsibilities as they are related to participation in sport should be available to everyone regardless of gender. The course will examine how socially constructed definitions of gender and sexual orientation have led to harmful male and female stereotypes and how they have often contributed to discrimination towards female athletes and dindered the growth of women's sports. Fulfills the general education requirement in physical education and gender studies and the impact of diversity. Elective in women's studies program. [3 credits]

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410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0&z=15)

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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software
(https://www.manifestocms.com/audiences/course-catalog).

School of Arts, Sciences and Business

Pamela O'Brien, Ph.D., *Dean of Arts, Sciences, and Business*

The deep roots of the School of the Arts, Sciences, and Business were first planted with the founding of the University in 1895. The timely and timeless Programs of Study housed within the School support students in the journey toward making a fulfilling life *and* making a living.

The undergraduate academic Majors of the School serve both traditional and part-time adult learners, and include arts, humanities, social and natural sciences, and business courses. Studies related to the professions, such as medicine, communication, business and law are also delivered in courses offered within the School. Each undergraduate completes a common general education program in liberal arts, the rich foundation of the knowledge of the educated person.

Women's College or College of Adult Undergraduate Studies?

Although many degrees and Majors are offered through both the Women's College and the College of Adult Undergraduate Studies (CAUS), there are significant differences in their populations and scheduling. To determine whether the Women's College or CAUS is the most appropriate for you, see the college descriptions under Academic Information (http://catalog.ndm.edu/undergraduate-catalog/academic-information-undergraduate-catalog).

College of Adult Undergraduate Studies

Majors

- Business (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/business?menu=school-of-arts-and-sciences)
- Corporate Communication (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/corporate-communication)
- Criminology (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/criminology)
- Elementary Education/Liberal Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-education-undergraduate-catalog/college-of-adult-undergraduate-studies-caus/liberal-studiesesol-caus)
- Liberal Arts (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/liberal-arts)
- Nursing: RN to BSN (http://catalog.ndm.edu/school-of-nursing-undergraduate-catalog/rn-to-bsn-program)
- Radiological Sciences (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/radiological-sciences)
- Religious Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/religious-studies)

Minors

- Business (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/business)
- Criminology (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/criminology)
- Economics (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/economics)
- Entrepreneurship (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences-2)
- Philosophy (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/philosophy)
- Women's Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/womens-studies)

Women's College

Majors

- Art (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/art)
- Art Therapy (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/art)

- Behavioral Neuroscience (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/behavioral-neuroscience)
- Biology (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/biology)
- Business (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/business)
- Chemistry (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/chemistry)
- Communication Arts (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/communication-arts)
- Computer Information Systems (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/computer-studies)
- Criminology (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/criminology)
- Digital Media Arts (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/digital-media-arts)
- Elementary Education/Liberal Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-education-undergraduate-catalog/college-of-adult-undergraduate-studies-caus/elementary-education-caus)
- Engineering (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/engineering)
- English (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/english)
- French (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/french)
- International Business (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/international-business)
- International Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/international-studies)
- Leadership in Hospitality and Event Management (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/hospitality-management)
- Liberal Arts (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/liberal-arts)
- Marketing Communications (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/marketing-communications)
- Mathematics (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/mathematics)
- Nursing (http://catalog.ndm.edu/school-of-nursing-undergraduate-catalog/school-of-nursing-bachelor-of-science)
- Philosophy (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/philosophy)
- Physics (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/physics)



- Political Science (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/political-science)
- Psychology (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/psychology)
- Radiological Sciences (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/religious-studies)
- Religious Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/religious-studies)
- Spanish (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/spanish)
- Women's Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/womens-studies)

Minors

- Art (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/art)
- Asian Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/asian-studies)
- Biology (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/biology)
- Business (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/business)
- Catholic Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/catholic-studies-minor)
- Chemistry (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/chemistry)
- Communication Arts (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/communication-arts)
- Computer Information Systems (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/computer-studies)
- Computer Science (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/computer-science-minor)
- Criminology (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/criminology)
- Digital Media Arts (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/digital-media-arts)
- Drama (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/english)
- Economics (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/economics)
- English (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/english)
- Entrepreneurship (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences-2)

- French (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/french)
- Forensic Psychology (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/forensic-psychology)
- History (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/history)
- International Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/international-studies)
- Latin American Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/latin-american-studies-undergraduate-catalog)
- Mathematics (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/mathematics)
- Peace and Justice Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/peace-and-justice-studies)
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- Physics (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/physics)
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- Psychology (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/psychology)
- Religious Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/religious-studies)
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- Sociology (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/sociology)
- Women's Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/womens-studies)

Pre-professional Programs

- Pre-dental (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/pre-medical-pre-dental-pre-veterinary-undergraduate-catalog)
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- Pre-veterinary (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/pre-medical-pre-dental-pre-veterinary-undergraduate-catalog)
- Pre-law (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/political-science?menu=school-of-arts-and-sciences)
- Pre-pharmacy (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/pharmacy-studies?menu=school-of-arts-and-sciences)

Teaching Certification

Secondary Education Teaching Certification is available in the following Majors.

- Art (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/art)
- Biology (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/biology)
- Chemistry (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/chemistry)
- English (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/english)
- Social Studies (http://catalog.ndm.edu/undergraduate-catalog/school-of-education-undergraduate-catalog/womens-college/bama-wc)
- Mathematics (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/mathematics)

Joint Degree Programs

- Business/Management (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/business) - Earn a B.A. in Business plus an M.A. in Management in five years.
- Liberal Studies/Teaching (http://catalog.ndm.edu/liberal-studiesesol-wc) - Earn a B.A. and M.A. in Teaching in five years.
- Biology or Chemistry/Pharmacy (http://ndm.edu/colleges-schools/school-pharmacy/admissions/pre-pharmacy) - Earn a B.A. in Biology or Chemistry and a Pharm.D. in seven years.

Other Programs

- Interdisciplinary Courses (http://catalog.ndm.edu/general-education-and-courses-across-disciplines)
- Physical Education (http://catalog.ndm.edu/general-education-and-courses-across-disciplines)

Learn more

- Art (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/art?menu=school-of-arts-and-sciences)
- Art Therapy (Major) (/undergraduate-catalog/school-of-arts-and-sciences/art-therapy_1?menu=school-of-arts-and-sciences)
- Behavioral Neuroscience (Major) (/undergraduate-catalog/school-of-arts-and-sciences/behavioral-neuroscience?menu=school-of-arts-and-sciences)
- Biology (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/biology?menu=school-of-arts-and-sciences)
- Business (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/business?menu=school-of-arts-and-sciences)
- Catholic Studies (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/catholic-studies-minor?menu=school-of-arts-and-sciences)

- Chemistry (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/chemistry?menu=school-of-arts-and-sciences)
- Communication Arts (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/communication-arts?menu=school-of-arts-and-sciences)
- Computer Information Systems (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/computer-studies?menu=school-of-arts-and-sciences)
- Computer Science (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/computer-science-minor?menu=school-of-arts-and-sciences)
- Criminology and Social Deviance (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/criminology?menu=school-of-arts-and-sciences)
- Digital Media Arts (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/digital-media-arts_1?menu=school-of-arts-and-sciences)
- Economics (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/economics?menu=school-of-arts-and-sciences)
- Engineering (Dual Degree) (/undergraduate-catalog/school-of-arts-and-sciences/engineering?menu=school-of-arts-and-sciences)
- Entrepreneurship (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/entrepreneurship-minor_1?menu=school-of-arts-and-sciences)
- English and Drama (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/english?menu=school-of-arts-and-sciences)
- French (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/french?menu=school-of-arts-and-sciences)
- Forensic Psychology (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/forensic-psychology?menu=school-of-arts-and-sciences)
- Health Sciences (Major) (/undergraduate-catalog/school-of-arts-and-sciences/health-sciences?menu=school-of-arts-and-sciences)
- History (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/history?menu=school-of-arts-and-sciences)
- Hospitality: See Leadership in Hospitality and Event Management (/undergraduate-catalog/school-of-arts-and-sciences/hospitality-see-leadership-in-hospitality-and-event-management?menu=school-of-arts-and-sciences)
- Interactive Communication Strategies (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/interactive-com-strat_1?menu=school-of-arts-and-sciences)
- International Business (Major) (/undergraduate-catalog/school-of-arts-and-sciences/international-business?menu=school-of-arts-and-sciences)
- International Studies (Major - International Business, Major - International Relations) (/undergraduate-catalog/school-of-arts-and-sciences/international-studies?menu=school-of-arts-and-sciences)
- Latin American Studies (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/latin-american-studies?menu=school-of-arts-and-sciences)

- Leadership in Hospitality and Event Management (Major) (/undergraduate-catalog/school-of-arts-and-sciences/hospitality-management?menu=school-of-arts-and-sciences)
- Liberal Arts (Major - Option A, Option B, Option C) (/undergraduate-catalog/school-of-arts-and-sciences/liberal-arts-2?menu=school-of-arts-and-sciences)
- Marketing Communications (Major) (/undergraduate-catalog/school-of-arts-and-sciences/marketing-communications?menu=school-of-arts-and-sciences)
- Modern Foreign Languages (/undergraduate-catalog/school-of-arts-and-sciences/modern-foreign-languages?menu=school-of-arts-and-sciences)
- Mathematics (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/mathematics?menu=school-of-arts-and-sciences)
- Music (/undergraduate-catalog/school-of-arts-and-sciences/music_1?menu=school-of-arts-and-sciences)
- Peace and Justice Studies (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/peace-and-justice-studies?menu=school-of-arts-and-sciences)
- Pharmacy Studies (Pre-pharmacy, Pre-Professional) (/undergraduate-catalog/school-of-arts-and-sciences/pharmacy-studies?menu=school-of-arts-and-sciences)
- Philosophy (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/philosophy?menu=school-of-arts-and-sciences)
- Pre-Medical, Pre-Dental, Pre-Veterinary (Pre-professional) (/undergraduate-catalog/school-of-arts-and-sciences/pre-medical-pre-dental-pre-veterinary?menu=school-of-arts-and-sciences)
- Political Science (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/political-science?menu=school-of-arts-and-sciences)
- Politics and History (major) (/undergraduate-catalog/school-of-arts-and-sciences/politics-and-history?menu=school-of-arts-and-sciences)
- Post-baccalaureate Certificate in Alcohol & Drug Counseling (/undergraduate-catalog/school-of-arts-and-sciences/addiction-counseling?menu=school-of-arts-and-sciences)
- Physics (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/physics?menu=school-of-arts-and-sciences)
- Psychology (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/psychology?menu=school-of-arts-and-sciences)
- Racial Justice (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/racial-justice?menu=school-of-arts-and-sciences)
- Radiological Sciences (Major) (/undergraduate-catalog/school-of-arts-and-sciences/radiological-sciences?menu=school-of-arts-and-sciences)
- Religious Studies (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/religious-studies_2?menu=school-of-arts-and-sciences)
- Sociology (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/sociology?menu=school-of-arts-and-sciences)
- Spanish (Major, Minor) (/undergraduate-catalog/school-of-arts-and-sciences/spanish?menu=school-of-arts-and-sciences)



- Women's Studies (Minor) (/undergraduate-catalog/school-of-arts-and-sciences/womens-studies?menu=school-of-arts-and-sciences)

Notre Dame of Maryland University
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Baltimore, Maryland 21210

410-435-0100 (tel:4104350100)
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Art (Major, Minor)

Art Department

Pamela O'Brien, Ph.D., *Dean*, School of Arts, Sciences and Business
Geoffrey Delanoy, M.F.A., *Chair*
Alexandra Dodson, Ph.D.
Sul-Jee Scully, M.F.A.

Degrees offered

Major
Minor

Campuses

Main Campus

The Art Department prepares students to understand and interpret art of the past and the present and contribute to the future. The vibrancy of Baltimore's art scene and Notre Dame's closeness to museums in Baltimore, Washington DC, Philadelphia, and New York make it an ideal place to study art.

Summary

The Art Department of the School of Arts, Sciences, and Business offers a Major and Minor in Art to traditional undergraduate students. It also offers students preparation for Elementary and Secondary Teaching Certification in Art. The Art Major provides a curriculum that emphasizes the development of

creative potential, the understanding of the history and tradition of the visual arts, and the realization of the place of art in contemporary society. Classroom lectures, creative experiences and museum tours give students an opportunity to become part of a community of artists preparing for graduate school or for a variety of art-related careers.

Among the career opportunities are art librarian, art historian, museum curator, art advisor, art administrator, visual resource curator, corporate curator, painter, sculptor, art restorer, art therapist, illustrator, animator, layout artist, graphic designer, theatre designer, exhibition designer, jeweler, textile designer, freelance photographer and staff photographer.

The following Empower and Engage General Education requirements may be met by the Art courses listed:
Thinking Critically and Analytically: ART-310 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-310), ART-324 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-324) and ART-330 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-330)
Artistic Expression: ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101), ART-102 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-102), ART-103 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-103), ART-109 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-109), ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142), ART-162 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-162), ART-165 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-165), ART-204 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-204), and ART-420 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-420)
Intercultural: ART-140 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-140) and ART-141 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-141)
Diversity: ART-315 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-315), ART-323 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-323) and ART-343 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-343)

Art Majors and Minors, in all concentrations, must complete all courses with a minimum grade of C.

Programs of Study

Required Courses for a Major in Art (Credits)

ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) Drawing I (3)
ART-102 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-102) Color and Design (3)
ART-103 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-103) Three-Dimensional (3)
ART-109 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-109) Basic Photography or ART-162 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-162) Digital Photography I (3)
ART-140 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-140) Global Art History 1: Prehistory to 1400 (3)
ART-141 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-141) Global Art History 2: 1400 to the Present (3)

ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142) Painting I (3)

ART-315 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-315) Explorations of Women in Art

ART-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-440) Senior Seminar (3)

ART-470 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-470) Practicum in Art (3)

Senior Thesis

All seniors will complete a senior thesis during the fall and spring semesters of their senior year. For students with an emphasis in Studio Art and Photography, this will be a body of work that will be presented in the annual senior exhibition at the end of the spring semester of senior year. The body of work will be completed, with guidance from the student's advisor, in the context of advanced courses taken during fall and spring. This would be the point at which the student would be completing 300-400 level courses, as well as independent study courses, culminating in ART-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-440) Senior Seminar.

Students with an Emphasis in Art History and Pre-museum Studies will complete a written research project on a topic in consultation with the advisor. This written project also would be completed within the context of advanced courses in the area of emphasis, including independent study and directed readings courses, culminating in ART-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-440) Senior Seminar. The student will prepare a poster presentation of her research and would be present with this poster presentation at the senior exhibition opening to discuss the project and findings. Art Minors enrolled in ART-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-440) Senior Seminar may participate in the senior exhibition.

Area of Emphasis in Art

All majors will select an area of emphasis and complete its requirements prior to graduation.

Emphasis in Art History

One of the following: (3)

ART-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-211) Art of the Ancient World

ART-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-212) Art of the Medieval World

ART-213 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-213) Art in the Age of Rembrandt and Kingship

ART-214 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-214) The Splendors of the Renaissance in Italy and the North

One of the following: (3)

ART-221 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-221) Artistic Rediscovery and Transformation in the 18th and 19th Centuries

ART-223 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-223) 20th Century Art:

Modernism and Innovation

ART-313 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-313) Emergence of an American Style

ART-412 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-412) Explorations in American Art

One of the following: (3)

ART-122 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-122) Art of China, Japan and India

ART-123 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-123) Art of Africa

ART-323 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-323) African-American Art

ART-413 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-413) Explorations in Asian Art

Any five 200, 300 or 400 level art history courses (15)

Emphasis in Photography

ART-209 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-209) Black and White Photography (3)

ART-342 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-342) History and Aesthetics of Photography (3)

ART-162 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-162) Digital Photography I (3)

ART-363 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-363) Color Photography (3)

ART-364 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-364) Studio Photography (3)

ART-368 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-368) Alternate Photographic Processes (3)

One of the following: (3)

ART-262 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-262) Photography and the Handmade Book

ART-322 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-322) Picture Story

ART-350 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-350) Photographic Criticism

ART-470 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-470) Practicum in Art

One of the following: (3)

ART-406 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-406) Advanced Photography

ART-460 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-460) Photography Senior Studio

Emphasis in Studio Art

ART-201 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-201) Drawing II or ART-321 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-321) Life Drawing I (3)

ART-202 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-202) Painting II (3)

ART-204 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-204) Watercolor Painting (3)

ART-205 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-205) Printmaking or Studio Elective (3)

ART-247 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-247) Ceramics (art education students only) (3)

ART-330 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-330) Theory, Criticism and Contemporary Art (3)

Any two courses selected from:

ART-301 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-301) Drawing III, 302 Painting III, 203 Sculpture, 321 Life Drawing I, 401 Drawing IV,

402 Painting IV and 421 Life Drawing II (6)

Emphasis in Pre-museum Studies in Art

One of the following: (3)

ART-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-211) Art of the Ancient World

ART-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-212) Art of the Medieval World

ART-213 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-213) Art in the Age of Rembrandt and Kingship

ART-214 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-214) The Splendors of the Renaissance in Italy and the North

One of the following: (3)

ART-221 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-221) Artistic Rediscovery and Transformation in the 18th and 19th Centuries

ART-223 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-223) 20th Century Art: Modernism and Innovation

ART-313 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-313) Emergence of an American Style

ART-412 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-412) Explorations in American Art

One of the following: (3)

ART-122 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-122) Art of China, Japan and India

ART-123 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-123) Art of Africa

ART-323 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-323) African-American Art

ART-412 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-412) Explorations in American Art

ART-413 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-413) Explorations in Asian Art

Any three 200, 300 or 400 level art history courses (9)

ART-465 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-465) Directed Readings: Museum Studies (3)

Two practicums in museum work (6-8)

Art Education: Pre-K through 12

Students in the Art Education Program receive dual certification enabling them to teach art in Maryland in grades Pre-K through 12.

Students will complete a Major in Art and certification in education and fulfill the General Education Requirements of the University.

Requirements in Art Education

1. An overall GPA of 2.8.
2. A GPA of 2.8 in your Major (3). An interview with the education chairperson and a portfolio review with the studio art advisor and the field supervisor.

Minor in Art

The Art Minor consists of any six courses and 18 credits. Students may choose an area of emphasis from Art History, Photography, or Studio Art and are encouraged to meet with an advisor to design a plan of study.

Art History Four-Year Plan

Sample program of study for the art history major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	ART-141 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-141) Global Art History 2	3
ART-140 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-140) Global Art History 1	3	Physical Education	1
Foreign Language	3	Philosophy (200 level)	3

NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	3	Studio/Lab Requirement	3
Mathematics	3	COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Communication	3
[15 credits]		General Education/Elective	3
		[16 credits]	
Second year			
Art History elective	3	Studio/Lab requirement	3
Art History requirement	3	Art History requirement	3
English Literature	3	Social Science	3
RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201) Introduction to Biblical Studies	3	PHL-320 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-320) Aesthetics	3
General Education/Elective	3	General Education/Elective	3
[15 credits]		[15 credits]	
Third year			
Art History elective	3	Art History requirements	6
Art History requirement	3	Art History elective	3
History	3	Religious Studies (300/400)	3
Natural Science	4	General Education/Elective	3
General Education/Elective	3	[15 credits]	
[16 credits]			
Fourth year			
Art History requirement	3	Art History electives	6

Art History elective	3	ART-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-440) Senior Seminar	3
General Education/Electives	9	General Education/Electives	6
[15 credits]		[15 credits]	

_(http://catalog.ndm.edu/ccg/undergraduate-catalog/school-of-arts-and-sciences-undergraduate-catalog/art-undergraduate-catalog)

Photography Four-year Plan

Sample program of study for the photography major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) Drawing I	3
ART-109 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-109) Basic Photography	3	ART-209 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-209) Black & White Photography	3
Foreign Language	3	Philosophy (200 level)	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	3	RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201) Introduction to Biblical Studies	3
Math or History	3	COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Communication	3
[15 credits]		Physical Education	1
		[16 credits]	
Second year			

ART-102 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-102) Color & Design	3	ART-141 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-141) Global Art History 2	3
ART-140 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-140) Global Art History 1	3	ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142) Painting I	3
ART-342 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-342) History & Aesthetics of Photography	3	ART-162 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-162) Digital Photo I	3
ART-363 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-363) Color Photo	3	Mathematics or History	3
Natural Science	4	Philosophy (300/400 level)	3
[16 credits]		[15 credits]	
Third year			
ART-364 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-364) Studio Photography	3	ART-368 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-368) Alternate Photography Processes	3
ART-315 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-315) Explorations of Women in Art	3	Art Photography elective	3
Art Photography Elective	3	English Literature	3
Religious Studies (300/400 level)	3	General Education/Electives	6
Social Science	3	[15 credits]	
[15 credits]			
Fourth year			
ART-406 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-406) Advanced Photo	3	ART-460 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-460) Photo Senior Studio	3

ART-419 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-419) Digital Photo II	3	ART-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-440) Senior Seminar	3
ART-470 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-470) Practicum in Photography	3	Art photography elective	3
General Education/Electives	6	General Education/Electives	6
[15 credits]		[15 credits]	

_(http://catalog.ndm.edu/ccg/undergraduate-catalog/school-of-arts-and-sciences-undergraduate-catalog/art-undergraduate-catalog)

Studio Art Four-Year Plan

Sample program of study for the studio art major. Students should select courses with the assistance of a faculty advisor.

Fall		**Spring**	
First year			
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142) Painting I	3
ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) Drawing I	3	ART-103 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-103) Three-dimensional Design	3
ART-102 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-102) Color & Design	3	Philosophy (200 level)	3
Foreign Language	3	History	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	3	COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Communication	3
[15 credits]		Physical Education	1
		[16 credits]	

Second year

ART-201 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-201) or 202 Drawing II or Painting II	3	ART-301 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-301) or 302 Drawing III or Painting III	3
ART-109 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-109) or 162 Photo	3	ART-141 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-141) Global Art History 2	3
ART-140 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-140) Global Art History 1	3	ART-204 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-204) Watercolor Painting	3
English Literature	3	Mathematics	3
RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201) Introduction to Biblical Studies	3	Philosophy (300/400 level)	3
[15 credits]		[15 credits]	

Third year

ART-321 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-321) Life Drawing I*	3	ART-301 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-301) or 302 Drawing III or Painting III	3
Art History elective	3	ART-205 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-205) Printmaking	3
Natural Science	4	Art History Elective	3
General Education/Electives	6	Religious Studies (300/400 lev)	3
[16 credits]		General Education/Elective	3
		[15 credits]	

Fourth year

Studio elective	3	ART-401 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-401) or 402 Drawing or Painting IV	3
Art History elective	3	ART-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-440) Senior Seminar	3
ART-463 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-463) Independent Study	3	Art History elective	3
General Education/Electives	6	General Education/Electives	6
[15 credits]		[15 credits]	

_(http://catalog.ndm.edu/ccg/undergraduate-catalog/school-of-arts-and-sciences-undergraduate-catalog/art-undergraduate-catalog)

Art Pre-Museum Studies Four-Year Plan

Sample program of study for the art pre-museum major. Students should select courses with the assistance of a faculty advisor.

Fall		**Spring**	
First year			
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	ART-141 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-141) Global Art History 2	3
ART-140 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-140) Global Art History 1	3	Art History requirement	3
Foreign Language	3	Studio/Lab requirement	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	3	Philosophy (200 level)	3

Mathematics	3	COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Communication	3
[15 credits]		Physical Education	1
		[16 credits]	
Second year			
Studio/Lab requirement	3	Art History requirements	6
Art History requirements	6	Social Science	3
English Literature	3	PHL-320 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-320) Aesthetics	3
RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201) Introduction to Biblical Studies	3	Elective	3
[15 credits]		[15 credits]	
Third year			
ART-109 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-109) or 162 Photo	3	Art History electives	6
Art History requirement	3	Religious Studies (300/400 lev)	3
Natural Science	4	General Education/Electives	6
General Education/Electives	6	[15 credits]	
[16 credits]			
Fourth year			
Art History requirements	6	ART-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-440) Senior Seminar	3

ART-470 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-470) Practicum	3	ART-465 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-465) Directed Readings	3
General Education/Electives	6	ART-471 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-471) Practicum	3
[15 credits]		General Education/Electives	6
		[15 credits]	

_(http://catalog.ndm.edu/ccg/undergraduate-catalog/school-of-arts-and-sciences-undergraduate-catalog/art-undergraduate-catalog)

Art Education Four-Year Plan

Sample program of study for the art education major. Students should select courses with the assistance of a faculty advisor.

Fall		**Spring**	
First year			
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) Expository Writing	3	ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142) Painting I	3
ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) Drawing I	3	ART-103 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-103) Three-dimensional Design	3
ART-102 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-102) Color & Design	3	Philosophy (200 level)	3
Foreign Language	3	History	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	3	COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Communication	3
[15 credits]		Physical Education	1
		[16 credits]	

Second year

ART-201 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-201) or 202 Drawing II or Painting II	3	ART-270 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-270) Media and Techniques for Art Teachers	3
ART-109 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-109) or 162 Photo	3	ART-301 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-301) or 302 Drawing III or Painting III	3
ART-140 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-140) Global Art History 1	3	ART-141 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-141) Global Art History 2	3
English Literature	3	ART-204 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-204) Watercolor Painting	3
RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201) Introduction to Biblical Studies	3	Philosophy (300/400 level)	3
[15 credits]		Mathematics	3
		[18 credits]	

Winterim Field Experience

EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252)

Third year

ART-321 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-321) Life Drawing I*	3	ART-301 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-301) or 302 Drawing III or Painting III	3
Art History elective	3	ART-205 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-205) Printmaking or 206	3

Natural Science	4	Art History elective	3
Methods of Teaching N-12	3	Religious Studies (300/400 lev)	3
General Education/Electives	6	General Education/Elective	3
[19 credits]		[15 credits]	
Winterim			
Clinical field experience			
Fourth year			
Student Teaching EDU-411 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-411)	12	ART-401 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-401) or 402 Drawing IV or Painting IV	3
[12 credits]		ART-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-440) Senior Seminar	3
		Art History elective	3
		General Education/Electives	6
		[15 credits]	

Courses

ART-101 Drawing I

Introduces the fundamentals of free-hand drawing and explores a variety of materials, techniques and subject matter such as still life, landscape and the human form as students identify individual areas of interest and artistic expression. Informal slide presentations and class critiques will expose students to the diversity of drawing and its manifestations in contemporary art and culture. Fulfills the general education requirement in fine arts and Artistic Expression. [3 credits]

ART-102 Color and Design

Introduces the fundamental elements and principles of color and design as a communicative tool. The course is designed for students with limited studio background and explores a wide variety of mediums and techniques as students develop technical virtuosity and personal aesthetic. The concepts and design strategies explored in this course can be applied in related areas of computer design, interior design and fashion design. Fulfills the general education requirement in Fine Arts and Artistic Expression. [3 credits]

ART-103 Three-Dimensional Design

Explores the sculptural organization of form in three dimensions through the use of a wide variety of materials such as found objects, paper, wire, wood, clay and metals. Projects are developed that consider the relationship of the sculptural object to its perception in time and space. Fulfills the general education requirement in fine arts and artistic expression. [3 credits]

ART-109 Basic Photography

Provides hands-on experience with the fundamental controls of the photographic process for black and white photography. Students learn the use of the camera, film development, darkroom printing and the presentation of mounted photographs. Includes lectures and presentations on photographic technique, illustrated lectures on the history and aesthetics of photography, assistance in the darkroom and critiques of work in progress. Lecture plus lab. Fulfills the general education requirement in fine arts and artistic expression. [3 credits]

ART-119 Introduction to Photography

Introduces the art of digital photography. Students will learn the fundamentals of creating, editing and presenting photographs using a free version of Adobe Lightroom on their mobile device. Fulfills general education requirements in Fine Arts and Artistic Expression. [3 credits]

ART-122 Art of China, Japan and India

Explores the major art mediums of China, Japan and India from Neolithic times to the present, contrasting it with that of the Western tradition and examining the influence of Buddhism and Hinduism upon it. Among the art forms to be studied are Chinese landscape painting, Japanese screen painting, the Japanese tea service, silkscreen painting, bronze vessels, ceramic pottery, Indian rock-cut temples, and the vast burial complexes of China and Japan, which include life-sized pottery soldiers. Students will examine fine examples of Asian works in The Walters Art Museum in Baltimore. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-123 Art of Africa

Explores art of the major geographic regions and cultures of sub-Sahara Africa. Various mediums are examined, including both wood and bronze sculptural figures, painted sculpture, ceremonial objects, power images, and bush spirit and ancestor worship objects. In addition, the evolving role of the artist in

society is discussed. Students will examine significant African artworks in the National Museum of African Art in Washington, D.C. or other local collections. Fulfills the general education requirement in fine arts. [3 credits]

ART-129 Photo Walk

Explores photography as a means for creative expression and personal wellness. This course blends the art of photography with mindfulness practices to promote well-being. Through a series of immersive experiences, students will engage in contemplative photography sessions and walking meditation practice designed to cultivate awareness of the interrelatedness of creativity with the balance of mind, body, and soul. Fulfills the general education requirements in Artistic Expression or Well-Being. Prerequisite: For Traditional Undergraduate Students. [3 credits]

ART-140 Global Art History 1: Prehistory to 1400

Introduces the visual and material cultures of the Americas, Europe, Africa, and Asia, from prehistoric times to 1400 CE. Examines how images, objects, and monuments have been made, experienced, and used by groups of people with diverse religious beliefs, philosophical ideas, social organizations and cultural traditions. Students will examine significant original artwork from this period firsthand in area museums. Fulfills the general education requirement in Fine Arts and Intercultural Knowledge. [3 credits]

ART-141 Global Art History 2: 1400 to the Present

Introduces the visual and material cultures of the America's, Europe, Africa, and Asia from 1400 to the present. Examines how images, objects, and monuments have been made, experienced and used by groups of people with diverse religious beliefs, philosophical ideas, social organizations, and cultural values. Studies indigenous traditions and considers the impacts of imperialism, colonialism, and global exchange. Students will examine significant original artwork from this period firsthand in area museums. Fulfills the general education requirement in Fine Arts and Intercultural Knowledge. [3 credits]

ART-142 Painting I

Introduces the fundamentals of oil and acrylic painting. Through an exploration of traditional and contemporary techniques of painting, students will develop their powers of observation and artistic expression. Informal slide presentations and class critiques will expose students to the diversity of painting and its manifestations in contemporary art and culture. Fulfills the general education requirement in Fine Arts and Artistic Expression. [3 credits]

ART-150 Baltimore Museums Study Tour

Combines tours of Baltimore area museums, such as The Walters Art Museum, Baltimore Museum of Art, the Maryland Historical Society, the Maryland Arts Place (MAP) and the Visionary Art Museum, as well as local art galleries, with classroom lectures and discussions. Explores the history of art, perceptions of art as presented in museums of the past and present, as well as the museums' role in interpreting art for the public. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-151 Washington Museums Study Tour

Combines tours of Washington-area museums, such as the National Gallery of Art, the National Museum of American Art, the National Museum of Women in the Arts, the Corcoran Gallery of Art and the Phillips Collection, with classroom lectures and discussions. Explores the history of art, perceptions of art as presented in museums of the past and present, as well as the museums' role in interpreting art for the public. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-162 Digital Photography I

Introduces the fundamentals of digital imaging using Adobe Creative Cloud with an emphasis on camera vision. Through assigned readings and classroom discussions, students also will gain a critical perspective of the impact of digital imaging on photographic practice. Fulfills general education requirement in fine arts and artistic expression. [3 credits]

ART-165 Digital Illustration

Introduces the essential tools for creating digitally-produced, two-dimensional, narrative artwork. Special attention is placed on integrating traditional artistic approaches with digital drawing processes. Using Procreate and the Adobe Creative Suite, students develop technical proficiency while engaging with image-making as a means of storytelling and expression. Students are encouraged to identify and explore subject matter of personal significance, building thematic bodies of work throughout the duration of the course. Lectures, discussions, and field trips consider the historical role of illustrated media and its continuing influence in contemporary culture. Fulfills general education requirement in Artistic Expression. This course is not available to CAUS students. [3 credits]

ART-201 Drawing II

Builds on the skills gained in ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) and provides a progressive investigation of personal expression. The course emphasizes an evolution from traditional methodologies toward contemporary nonrepresentational approaches to the making of art. Prerequisite: ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) or ART-204 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-204), or permission of the instructor. [3 credits]

ART-202 Painting II

Builds on the skills gained in ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142) and provides a progressive investigation of personal expression. The course emphasizes an evolution from traditional methodologies toward contemporary nonrepresentational approaches to the making of art. Prerequisite: ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142) or ART-204 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-204), or permission of the instructor. [3 credits]

ART-204 Watercolor Painting

Introduces fundamental techniques and possibilities of transparent and opaque watercolor. Special emphasis is placed on a broad understanding of the medium and the development of personal expression. Fulfills the general education requirement in Fine Arts and Artistic Expression. [3 credits]

ART-205 Printmaking

Introduces accessible processes of printmaking to include but not limited to mono-printing, collagraph and relief, as well as gelli plate or transfer printing. Particular emphasis will be placed upon clarity of the printed image, as well as on students experiencing and coming to value the self-expressive potential of printmaking. Given the iterative possibilities and the relative immediacy of processes, students will experience printmaking as a form of creative expression. Fulfills General Education Requirement in Fine Arts and Artistic Expression. Prerequisite: For Traditional Undergraduate students only. [3 credits]

ART-208 Creative Arts in the Elementary School

Demonstrates the use of creative arts and their integration into the curriculum. Basic understanding of the ways children use the fine arts (dance, theatre, music and visual arts) as a means of learning. Skills in analyzing and interpreting young children's art expressions will be presented from preschool through the elementary levels. A review of art skills and processes will be presented and practiced in order to effectively use art experiences as learning vehicle in the classroom. Basic skills in drawing, painting, printmaking, lettering, sculpture and crafts will be included. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-209 Black and White Photography

Explores aesthetics of black and white photography. Employs a variety of methods techniques and materials for negative and print development. Investigating various genres, students build visual literacy through interpretation of subject matter and the preparation of a portfolio, lecture plus lab. [3 credits]

ART-211 Art of the Ancient World: Roots of the Western Tradition

Explores underlying currents of human purpose, thought and feeling in art through reflection upon examples from the earliest human attempts at expression in prehistoric times; the ancient Egyptian focus upon death and the afterlife, as understood through the elaborate contents of King Tut's tomb and the mystery of the Great Pyramids; the intriguing Goddess culture of the Aegean, exemplified by Cycladic idols and other ceremonial objects; the Greek realization of self as reflected in representations of the human figure; the Mesopotamian sense of deities as natural forces; the divine, yet very human, sculptural portrayals of Greek gods and goddesses; the Roman love of things Greek melded to imperial desires evident in sculpture and architecture. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-212 Art of the Medieval World: Crosscurrents In Politics and

Religion

Explores the transformations evident in Western European art spanning from the age of Constantine to the late Gothic period. Special areas of interest include Early Christian attempts to visualize a new religion in the varied images of Jesus and the saints, and through mysticism and the world of symbols; Byzantine elegance and grandeur; the melding of Roman style with Christian thought in the Romanesque; chivalry and love in the courtly society of the Gothic and the cult of the Virgin Mary; the great cathedrals of the Gothic, viewed as immense prayers in stone; the late medieval return to the humanism of antiquity with the school of Giotto; and the role of women, and ways women are represented in medieval art. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-213 Art in the Age of Rembrandt and Kingship

Traces the evolution, definition and dissemination of Mannerist, Baroque and Rococo art from 1510-1750 A.D., including absolutism and the bourgeois in the age of Rembrandt. Examines 17th-century architecture; the influence of the Counter-Reformation; the Italian translation of stone to flesh and heavenly vistas; Rubens and the artist as celebrity, and Caravaggio: the bad boy as artist; absolutism in France and its aristocratic art; Rembrandt and the Little Dutch Masters; Vermeer's ethereal imagery; Rococo and the Salon: wit and subtlety; Rousseau's back-to-nature movement and the Enlightenment; and the expressive and spiritual use of light in images by Caravaggio, Rembrandt and Vermeer. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-214 The Splendors of the Renaissance in Italy and the North

Examines the art of Western Europe from the advent of the Renaissance to the 1530s through topics such as the artist as hero; the lingering Gothic influence in art of Italy and the North; the greater emergence of women in the world of art; the convergence of science and art: Renaissance artists as theorists and the complete investigation of human anatomy; the individual and a sense of self; and The Last Supper and The Sistine Ceiling: controversies of restoration. Also explores such artist-centered topics as lyricism and classicism: the beauty of Botticelli; Leonardo da Vinci: the Renaissance man and artist; Michelangelo: a revival of the classical humanism of classical Greece; Jan van Eyck and Durer: the Italian Renaissance in the North; and Titian and the Venetian: school of color and sensuality. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-219 Honors: Intersections: Image and Word

Examines collaboration through series of exercises, group projects and assignments that explore the interplay of photography and literature. Students make and edit their own photographs and creative writing in response to instructor prompts and class critique. Students will collaborate on a final publishable portfolio of photographs and creative writing. Prerequisite: Morrissy scholar or permission. Fulfills General Education Requirement in Fine Arts. [3 credits]

ART-221 Artistic Rediscovery and Transformation in the 18th and

19th Centuries

Examines European and American art from 1750 to 1900, in the context of the vast political and social changes in the Age of Revolutions and the development of modernity. Themes include Rococo and aristocratic taste; Neoclassicism and the rediscovery of classical antiquity; Romanticism and the pursuit of originality; Orientalism and the lure of the exotic; photography and positivism; Realism and social revolution; Impressionism and the painting of modern life; American expatriates in Europe; and Post-Impressionism and the avant-garde. Students will examine artwork firsthand in the Cone Collection of the Baltimore Museum of Art. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-223 20th Century Art: Modernism and Innovation

Examines ethical issues confronting the visual arts through a series of case studies. Topics include looting and restitution; cultural appropriation in the museum; monuments and their protestors; decency, morality, and censorship; the ethics of arts funding; diversity and inclusion in arts institutions; and #MeToo in the arts, among others. Students will examine each issue on a theoretical basis, and will then investigate specific case studies, evaluate opposing
arguments, and develop solutions. Fulfills the General Edcuation requirements in Fine Arts, Thinking Critically and Analytically, and Artistic Expression. [3 credits]

ART-226 Two Dimensional Media and Techniques For the Elementary and Secondary Schools

Explores two-dimensional media and processes. Covers planning, safety and instructional strategies for use in elementary and secondary schools. [3 credits]

ART-227 Three Dimensional Media and Techniques For the Elementary and Secondary Schools

Explores three-dimensional media and processes. Covers planning, safety and instructional strategies for use in elementary and secondary schools. [3 credits]

ART-228 Mixed Media

Students explore the place of materials in contemporary art practice and methodology. Focusing on an interdisciplinary approach to art making and process students synthesize skills gained in 100-level course work and explore interrelations between drawing, painting, print making, photography, and 3D approaches, experimenting with a wide variety of non-traditional materials. Students are encouraged to use their area of emphasis as point of departure for pushing the boundaries between media and forming their own visual vocabulary. Methods include directed studio time, art historical lectures and critiques. Prerequisites: ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101), ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142). [3 credits]

ART-230 Honors: Landscape Photography

Provides study of an experience in the theory and practice of landscape and environmental photography. Students will explore the intersection of art and environmental awareness, using photography as a medium for personal expression and communicating the beauty and challenges of the natural world. Through a combination of theoretical discussions, experiential learning, and critiques, students will develop their technical skills, artistic vision, and a deeper understanding of environmental issues. Fulfills the general education requirement in fine arts and artistic expression. For Morrissy Honors Students only or permission of instructor. [3 credits]

ART-231 Art of the Islamic World

Explores the art of the Islamic world from the 7th century CE to the present day. Investigates religious and secular works of art and architecture, focusing on the Middle East, North Africa, Asia, and Western Europe. Focuses on the development of style, cultural exchange, and religious practice as seem through mosques, palaces, manuscripts, mosaics, and painted and sculptural decoration. Also considers contemporary artistic practice and issues of historic preservation. Students will visit a local mosque and examine works of art firsthand at the Walters Art Museum and the National Museum of Art. Fulfills general education requirements in Intercultural Knowledge and Artistic Expression. [3 credits]

ART-241 Watercolor Painting: Landscapes

Explores the beauty of watercolor painting while on location in natural settings. A variety of methods and applications of the medium are demonstrated in each class as students practice and develop technical skills, selectivity and personal expression. Students must provide their own transportation to and from the painting sites. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-243 Materials and Techniques of the Old Masters

Explores the materials and techniques used by the Great Masters of drawing and painting. Materials such as silverpoint, charcoal, bistre ink and egg tempera will be fabricated from raw substances and used in drawings and paintings. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-247 Ceramics

Provides practical study of elementary principles and problems in creating ceramic art. Technical study of glazes, clay and methods of firing. [3 credits]

ART-267 Photographic Criticism

Analysis and discussion of the art of photography to increase skills in critical observation of relationships, styles, structure, composition and content in photographs. Lecture/seminar format. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-270 Media and Techniques for Art Teachers In the Elementary and Secondary School

Exploration of media and processes for students in PreK-12. Includes studio activities, planning, and instructional strategies for the elementary and secondary schools. [3 credits]

ART-279 Honors: Concepts in Visual Aesthetics

Introduces new ideas and concepts stemming from a particular period and/or movement in society, becoming the "fireworks" that stir the artistic spirit to react to those ideas consciously, vibrantly, intuitively and with unique creativity. This class will use audio-visuals, readings and shared dialog to examine works of art and varied aesthetic concepts. It will address the artist as a gendered translator of history, as a visionary, and as a social documentarian within the context of significant periods in Western art. Prerequisite: Morrissy scholar or permission. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-301 Drawing III

Provides students with the opportunity to identify and develop their specific conceptual, aesthetic and technical areas of interest within the context of advanced drawing. Prerequisite: ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101), 201, 204 or permission of instructor. [3 credits]

ART-302 Painting III

Provides students with the opportunity to identify and develop their specific conceptual, aesthetic and technical areas of interest within the context of advanced painting. Prerequisite: ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142), 202, 204 or permission of instructor. [3 credits]

ART-303 Advanced Sculpture

The student may choose to develop her art through the use of traditional sculptural materials; modern materials, or may choose to pursue alternative solutions to the historical purposes and norms of sculpture. Prerequisite: ART 203, or permission of instructor. 3 credits.

ART-310 Honors: Curating Culture: Museums and American Society

Examines the various roles of art museums in American society, as sites of meaning-making and knowledge production, activism and protest. Studies the origins of the public museum, the historical evolution of practices of collecting and display, and the changing relationships between institutions, objects, and the viewing public. Investigates the idea of the museum as contested ground by

addressing contemporary issues such as censorship, restitution, repatriation, labor, equity, and the ethics of care and knowledge. Fulfills the general education requirements in Fine Arts and Thinking Critically and Analytically. [3 credits]

ART-313 Emergence of an American Style

Examines the art created in the United States from Colonial times to the 1970s, exploring its relationship to European styles, and the question of what constitutes an American style. Mediums studied include painting, sculpture, architecture and photography. Artists such as Gilbert Stewart, Thomas Cole, Thomas Eakins, Mary Cassatt, James Whistler, Jackson Pollack and Andy Warhol will be discussed. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-315 Explorations of Women in Art

Focuses upon the significant contributions of women artists to the history of art and the traditional duality of gender. Emphasis will vary in different sessions; some may focus primarily on topics applicable to art made by women of the nineteenth or twentieth centuries, while others may address topics related to feminism in European and Asian traditions, women as subjects in art, and/or women as artists. The seminar format will emphasize class presentations and discussions. Students will also examine artwork in local collections, particularly the National Museum of Women in the Arts in Washington, D.C. Fulfills the general education requirement in fine arts, gender studies and impact of diversity. [3 credits]

ART-320 Large Format Photography

Large Format provides the serious photography student with a strong background in 4x5 view camera technique, the Zone system, and studio lighting and practices. The aesthetics and disciplines of the large format camera are applied to portraiture, still life, architecture, and landscape. View cameras and meters are provided by the college. Prerequisite: ART 209. 3 credits.

ART-321 Life Drawing I

Provides individualized instruction in the study of the nude with special emphasis on observation, movement, proportion, figural composition and pictorial space. All sessions will include short and sustained poses. Prerequisite: ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) or permission of instructor. [3 credits]

ART-322 Picture Story

Explores the history, theory and practice of the picture story through readings, discussions and the production of a photographic essay. Considers documentary, photojournalistic and narrative traditions. The service-learning option offers the advanced photography student an opportunity to combine her exploration of the photograph as document with a practical experience in community engagement. ART-109 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-109) or permission of instructor. [3 credits]

ART-323 History of African-American Art

Examines works created by African-American artists from the Antebellum era to the present, and situates those works in the contexts of American history, African tradition, and cultural politics. Explores the evolution of artistic responses to such issues as identity, race, class, ethnicity, and representation. Topics of study include folk art, decorative art, and fine art produced by African-Americans from the early slave communities to the Harlem Renaissance, the Civil Rights Movement to the emergence of a modern Black aesthetic. The seminar format will emphasize class presentations and discussions. Students will also examine artwork in local collections, including the Baltimore Museum of Art, the Reginald F. Lewis Museum of African-American History and Culture, the Smithsonian American Art Museum, and/or the National Museum of African-American History and Culture. Fulfills the general education requirements in Fine Arts, Cross-Cultural Studies, and Impact of Diversity. [3 credits]

ART-324 Contemporary Problems in the Arts

Examines ethical issues confronting the visual arts through a series of case studies. Topics include looting and restitution; cultural appropriation in the museum; monuments and their protestors; decency, morality, and censorship; the ethics of arts funding; diversity and inclusion in arts institutions; and #MeToo in the arts, among others. Students will examine each issue on a theoretical basis, and will then investigate specific case studies, evaluate opposing arguments, and develop solutions. Fulfills the General Edcuation requirements in Fine Arts and in Thinking Critically and Analytically. [3 credits]

ART-330 Theory, Criticism and Contemporary Art

Presents an overview of the history and development of art theory and criticism from antiquity to the present. The course explores a wide range of art forms and ideas from traditional art to controversial contemporary art and art censorship. With the knowledge gained through the study of aesthetic evolution, students will assess the art of the 20th and 21st centuries, and formulate critical judgments and aesthetic positions of their own. Fulfills the general education requirement in fine arts and thinking critically and analytically. [3 credits]

ART-340 Building Baltimore: The Architecture and Urbanism of Charm City

Explores the architecture and urban history of Baltimore through critical readings and site visits. Examines the built environment of the city from the 18th century to the present day. Considers architectural landmarks such as the Basilica of the Assumption and Camden Yards as well as projects pertaining to urban development and infrastructure such as the Inner Harbor redevelopment project and the Red Line. Students will conduct extensive research into a site within the city and will create a podcast to be shared with the university community. Prerequisites: Morrissy Honors students only. Major requirement. Fulfills general education requirements in Artistic Expression. [3 credits]

ART-342 History and Aesthetics of Photography

Explores the art of photography from its pre-history to the present. The course will deal with the effects of changing technology, interrelationships with the other arts, and the impact of photography on society. Major photographers and movements will be covered, including study of local exhibitions. Fulfills the General Education Requirement in Fine Arts. [3 credits]

ART-343 Women Photographers and Feminist Aesthetics

Examines the photographic practices of women-identifying artists from 1839 to the present. Emphasis is placed upon reading the image as a site where the issues of gender, class, and race intersect. A variety of methodologies are examined, such as stylistic analysis, iconographical interpretations, revisionist art historical trends, and primary and secondary source material and their validity. Connections between historical movements and contemporary practices are highlighted. Prerequisite: For Traditional undergraduate students only. Fulfills the general education requirement in the impact of Diversity or Artistic Expression. [3 credits]

ART-363 Color Photography

Studies the aesthetics of color photography. Lectures and demonstrations cover techniques and issues related to digital, film and alternate processes. Group discussions and critiques will focus on the development of color vision, the psychology and effective uses of the unique characteristics of color photography. Lecture plus lab. [3 credits]

ART-364 Studio Photography

Practices photographic lighting using continuous and strobe lights, as well as portable flash. Artistic and professional procedures using 35mm as well as departmental 4x5 view camera systems are covered. Topics include studio and location assignments such as still life and portraiture, culminating in a portfolio. H31 [3 credits]

ART-368 Alternate Photographic Processes

Applies historical, non-silver printing techniques of the 19th and 20th centuries, as well as innovative approaches to making photographic images. Numerous methods of making an enlarged negative (for Cyanotype, Vandyke Brown, Palladium), including the use of graphic art film, copy camera, pinhole camera and the digital negative will be explored. Prerequisite: ART-209 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-209) or permission of instructor. [3 credits]

ART-373 Illustration II

As a sequel course to Illustration I, this course continues use and personal development of imagery, application technique, and graphic medium that visually communicate literary scenes and ideas, advertising texts and products. Special attention, time, and focus, will be given to graphic illustration

techniques that reflect students' individual stylistic development. Students Prerequisites: ART- 273 or permission of instructor. [3 credits]

ART-380 Visual Aesthetics in a Post-Modern World

Presents an overview of art history and the evolution of art theory and visual aesthetics from antiquity to our present post-modern world. To many viewers, the art of the 20th and 21st centuries has become difficult to understand and conceptually esoteric. This course will examine the history and interplay of aesthetic notion, critical analysis and the art object. [3 credits]

ART-401 Drawing IV

Provides students with the opportunity to continue to develop and refine their specific conceptual, aesthetic and technical areas of interest within the context of advanced drawing. Prerequisite: ART-301 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-301) or ART-321 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-321). [3 credits]

ART-402 Painting IV

Provides students with the opportunity to continue to develop and refine their specific conceptual, aesthetic and technical areas of interest within the context of advanced painting. Prerequisite: ART-204 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-204) or ART-302 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-302). [3 credits]

ART-406 Advanced Photography

Guides the student towards fluency in the language of photography as a means of personal expression. Students propose and produce a photographic project that synthesizes personal vision, ideas, techniques and processes learned in previous courses. Prerequisite: junior/senior status and permission of instructor. [3 credits]

ART-411 Explorations in Western Art

Investigates and analyzes selected topics in Western art from diverse periods in a seminar format that emphasizes class presentations and discussions. Students may examine architecture in Baltimore, various painting styles represented in Baltimore museums, and medieval manuscripts in the collection of The Walters Art Museum, among other possibilities. May be taken for credit more than once as the topics vary. Fulfills the general education requirement in fine arts. [3 credits]

ART-412 Explorations in American Art

Investigates and analyzes selected topics in American art and architecture from Colonial America and the United States in a seminar format that emphasizes class presentations and discussions. Particular attention is given to nearby monuments that reflect American interpretations of earlier styles, and to local collections of American art, including the Baltimore Museum of American Art and the Maryland Historical Society. May be taken for credit more than once as topics vary. Fulfills the general education requirement for fine arts. [3 credits]

ART-413 Explorations in Asian Art

Investigates and analyzes selected topics in the art of India, China or Japan, depending upon the semester, focusing on the architecture, painting and sculpture of each area from prehistoric times through the 20th century. May be taken for credit more than once as topics vary. Asian art will be examined firsthand during visits to local collections. Fulfills the general education requirement in fine arts. [3 credits]

ART-419 Digital Photography II

Deepens experience in digital photography and investigates the relationships between communication through photographs and digital images and other electronic media such as the digital press, World Wide Web and the virtual environment of the video game. Students enhance their skills and personal aesthetic using Adobe Photoshop and choose projects from still photography, graphic design or motion graphics. Prerequisite: ART-162 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-162). [3 credits]

ART-420 Portrait Photography

Explores natural and artificial lighting and the hands on practice of photographing people, culminating in a service-learning photo shoot. Fulfills the general education requirement in Artistic Expression and Fine Arts. This course is not available to CAUS students. [3 credits]

ART-421 Life Drawing II

Provides individualized instruction in the advanced study of the nude with special emphasis on observation, movement, proportion, figural composition, pictorial space and the development of personal interpretation of the figural form. All sessions will include short and sustained poses. Prerequisite: ART-321 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-321). [3 credits]

ART-427 Study Tour:

Explores Art in various external settings.

ART-440 Senior Seminar

Provides an opportunity for senior art majors from all concentrations to meet together as a group and examine the nature of art in contemporary society and explore topics such as morals and ethics in art, artists and critics, and the business of art. Students present their thesis project at the senior exhibition. To be taken in senior year. [3 credits]

ART-460 Senior Studio Photography

Creates self-directed projects under the supervision of the instructor. The aim of the course is the production of a body of work for exhibition and the compilation of a portfolio for professional use. Course content includes discussions, readings, research, studio and gallery visits and critiques. Prerequisite: Senior status and permission of instructor. [3 credits]

ART-463 Independent Study

Provides an opportunity to pursue an individual project in consultation with an art faculty member. [3 credits]

ART-465 Directed Readings: Selected Topics In Art History

Creates an individual study opportunity that is pursued under the guidance of a faculty member of the department. The directed readings format enables the student to make an intensive examination of a personally selected area of intellectual interest. The selected area of focus may be a specific topic, medium, artist, theme, style or approach; includes pre-museum studies requirement. Prerequisite: permission of instructor. [3 credits]

ART-470 Practicum in Art

Provides the opportunity to gain credit for work experience with professional art organizations with the consent of the advisor. The site is chosen according to the student's field of concentration. Permission required. [3 or 4 credits]

ART-471 Practicum in Art

Provides the opportunity to gain credit for work experience with professional art organizations with the consent of the advisor. The site is chosen according to the student's field of concentration. Permission required. [3 or 4 credits]

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410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0&z=15)

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Art Therapy (Major)

Department

Pamela O'Brien, Ph.D., *Dean, School of Arts, Sciences and Business*
Cathy Goucher, MA, ATR-BC, LCPC, LCPAT, *Chair and Undergraduate Program Director*
Julia Anderson, MA, ATR-BC, LCPC, LCPAT
Yasmine Awais, Ph.D, LCPAT, ATCS, LCAT

Degrees offered

Major

Campuses

Main Campus

The NDMU Bachelor of Arts in Art Therapy represents study related to one of the newest, unique specializations in the helping professions. The Program of Study includes the study of studio art, photography and art history, and a psychology curriculum stressing a sequence of counseling, therapy, and developmental psychology classes. A practicum in the student's senior year will provide a clinical experience orientation.

The BA in Art Therapy was designed to promote and support the advancement of women in a field in which many women express interest and where state and regional need is growing in hospitals, schools, and community health endeavors.

Students who enroll in the bachelor's degree Program of Study should plan to pursue the master's degree toward credentialing at NDMU or another university in order to meet local and national requirements for practice in the field.

Required Core Courses for Major in Art Therapy (Credits)

ART-101 (/<a class=)">ART-101 Drawing I (3)
ART-102 Color and Design (3)
ART-103 3-D Design (3)
ART-141 Global Art History 2: 1400 to the Present (3)
ART-142 Painting I (3)
ART-162 Digital Photography (3)
ART-228 Mixed Media (3)
ART-247 Ceramics (3)
ART-330 Theory: Criticism & Contemporary Art (3)
ATP-201 Introduction to Art Therapy (3)
ATP-310 Art Therapy: Theory and Practice (3)
ATP-470 Practicum in Art Therapy (4)
MAT-215 Basic Statistics (3)
PSY-101 Introductory Psychology (4)
PSY-205 Theories of Personality (3)
PSY-207 Psychopathology (3)
PSY-210 Research (4)
PSY-233 Human Development (3)
PSY-306 Theories & Techniques Counseling (4)
Art Therapy Elective from approved PSY-ATP list of choices (3 or 4)

Must select TWO elective at the advanced level in painting, drawing or photography:

ART-201 Drawing II (*offered ODD years Fall)*
ART-202 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-202) Painting II *(offered ODD years Fall)*
ART-301 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-301) Drawing III *(offered Spring)*
ART-302 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-302) Painting III *(offered Spring)*
ART-321 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-321) Life Drawing I *(offered every other Spring)*
ART-421 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-421) Life Drawing II *(offered every other Spring)*
ART-363 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-363) Color Photography *(offered Fall every 3rd year)*
ART-364 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-364) Studio Photography *(offered Spring every 3rd year)*

Participation in Senior Art Exhibit is expected.

Additional information on the Master of Arts in Art Therapy

The co-ed Master of Arts in Art Therapy meets a regional and national need for more practitioners in one of the important contemporary helping professions. Students may enroll in the 64-credit Program of Study on a full- or part-time basis. The Program focuses on engagement with theory and processes of Art Therapy. Study weaves together counseling and psychological theory and techniques toward distinct art psychotherapy practices. Study includes advanced courses in mixed media, ceramics and photography. Courses are offered in on-ground and hybrid formats. In addition, substantial clinical hours are required at off-site internships. Art therapists serve in a number of hospital, school, and community health settings.

The Program received approval from the Maryland Higher Education Commission in Fall 2017 and began educating students in Fall 2018.

The MA in Art Therapy Program at NDMU was awarded initial accreditation by the commission on Accreditiation of Allied Health Programs (CAAHEP) in November 2022. The course of study is aligned with state licensure requirements and national educational standards required for credentialing.

Four-Year Plan

Below is a sample Program of Study for full-time Art Therapy Majors. Students should consult with the Program Coordinator for their academic plans as many courses are offered on alternating years.

FALL		SPRING	
First year			
NDMU-100 Perspectives on Education and Culture	4	ART-141 Global Art History 2: 1400 to the Present	3
PSY-101 Introduction to Psychology	4	ART-162 Digital Photography	3
MAT-215 Statistics	3	ART-142 Painting I	3
ART-101 Drawing I	3	General Education Requirements	9
General Education Requirements	3	Foreign Language Requirement	
[17 credits]		[18 credits]	
Second year			
PSY-210 Research Methods	4	PSY-207 Psychopathology	3
PSY-205 Theories of Personality	3	PSY-233 Human Development	3
ART-103 Three-Dimensional Art	3	ART-247 Ceramics	3

OR ART-102 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-102) Color and Design		OR ART-228 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-228) Mixed Media	
ATP-201 Introduction to Art Therapy	3	General Education Requirement	9
General Education Requirements	3	[18 credits]	
[16 credits]			
Third year			
PSY-306 Theories and Techniques of Counseling	3	PSY or ATP Elective *(see advisor for approved list)*	3
ART-102 Color and Design	3	ART-330 Theory: Criticism & Contemporary Art	3
OR ART-103 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-103) Three-dimensional Art		ART-228 Mixed Media	3
General Education Requirements	9/11	OR ART-247 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-247) Ceramics	
[15/17 credits]		ATP-310 Art Therapy: Theory and Practice	3
		General Education Requirments	3
		[15 credits]	
Fourth year			
Studio Art Elective (*list below)*	3	Studio Art Elective (*list below*)	3
ATP-470 Practicum in Art Therapy	4	ART-440 Senior Seminar *recommended, not required*	3
General Euducation Requirments	6	General Education Requirments	6
[13 credits]		[12 credits]	

Courses

ART-101 Drawing I

Introduces the fundamentals of free-hand drawing and explores a variety of materials, techniques and subject matter such as still life, landscape and the human form as students identify individual areas of interest and artistic expression. Informal slide presentations and class critiques will expose students to the diversity of drawing and its manifestations in contemporary art and culture. Fulfills the general education requirement in fine arts and Artistic Expression. [3 credits]

ART-102 Color and Design

Introduces the fundamental elements and principles of color and design as a communicative tool. The course is designed for students with limited studio background and explores a wide variety of mediums and techniques as students develop technical virtuosity and personal aesthetic. The concepts and design strategies explored in this course can be applied in related areas of computer design, interior design and fashion design. Fulfills the general education requirement in Fine Arts and Artistic Expression. [3 credits]

ART-103 Three-Dimensional Design

Explores the sculptural organization of form in three dimensions through the use of a wide variety of materials such as found objects, paper, wire, wood, clay and metals. Projects are developed that consider the relationship of the sculptural object to its perception in time and space. Fulfills the general education requirement in fine arts and artistic expression. [3 credits]

ART-141 Global Art History 2: 1400 to the Present

Introduces the visual and material cultures of the America's, Europe, Africa, and Asia from 1400 to the present. Examines how images, objects, and monuments have been made, experienced and used by groups of people with diverse religious beliefs, philosophical ideas, social organizations, and cultural values. Studies indigenous traditions and considers the impacts of imperialism, colonialism, and global exchange. Students will examine significant original artwork from this period firsthand in area museums. Fulfills the general education requirement in Fine Arts and Intercultural Knowledge. [3 credits]

ART-142 Painting I

Introduces the fundamentals of oil and acrylic painting. Through an exploration of traditional and contemporary techniques of painting, students will develop their powers of observation and artistic expression. Informal slide presentations and class critiques will expose students to the diversity of painting and its manifestations in contemporary art and culture. Fulfills the general education requirement in Fine Arts and Artistic Expression. [3 credits]

ART-162 Digital Photography I

Introduces the fundamentals of digital imaging using Adobe Creative Cloud with an emphasis on camera vision. Through assigned readings and classroom discussions, students also will gain a critical perspective of the impact of digital imaging on photographic practice. Fulfills general education requirement in fine arts and artistic expression. [3 credits]

ART-201 Drawing II

Builds on the skills gained in ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) and provides a progressive investigation of personal expression. The course emphasizes an evolution from traditional methodologies toward contemporary nonrepresentational approaches to the making of art. Prerequisite: ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) or ART-204 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-204), or permission of the instructor. [3 credits]

ART-202 Painting II

Builds on the skills gained in ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142) and provides a progressive investigation of personal expression. The course emphasizes an evolution from traditional methodologies toward contemporary nonrepresentational approaches to the making of art. Prerequisite: ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142) or ART-204 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-204), or permission of the instructor. [3 credits]

ART-205 Printmaking

Introduces accessible processes of printmaking to include but not limited to mono-printing, collagraph and relief, as well as gelli plate or transfer printing. Particular emphasis will be placed upon clarity of the printed image, as well as on students experiencing and coming to value the self-expressive potential of printmaking. Given the iterative possibilities and the relative immediacy of processes, students will experience printmaking as a form of creative expression. Fulfills General Education Requirement in Fine Arts and Artistic Expression. Prerequisite: For Traditional Undergraduate students only. [3 credits]

ART-228 Mixed Media

Students explore the place of materials in contemporary art practice and methodology. Focusing on an interdisciplinary approach to art making and process students synthesize skills gained in 100-level course work and explore interrelations between drawing, painting, print making, photography, and 3D approaches, experimenting with a wide variety of non-traditional materials. Students are encouraged to use their area of emphasis as point of departure for pushing the boundaries between media and forming their own visual vocabulary. Methods include directed studio time, art historical lectures and critiques. Prerequisites: ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101), ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142). [3 credits]

ART-247 Ceramics

Provides practical study of elementary principles and problems in creating ceramic art. Technical study of glazes, clay and methods of firing. [3 credits]

ART-301 Drawing III

Provides students with the opportunity to identify and develop their specific conceptual, aesthetic and technical areas of interest within the context of advanced drawing. Prerequisite: ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101), 201, 204 or permission of instructor. [3 credits]

ART-302 Painting III

Provides students with the opportunity to identify and develop their specific conceptual, aesthetic and technical areas of interest within the context of advanced painting. Prerequisite: ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142), 202, 204 or permission of instructor. [3 credits]

ART-321 Life Drawing I

Provides individualized instruction in the study of the nude with special emphasis on observation, movement, proportion, figural composition and pictorial space. All sessions will include short and sustained poses. Prerequisite: ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) or permission of instructor. [3 credits]

ART-330 Theory, Criticism and Contemporary Art

Presents an overview of the history and development of art theory and criticism from antiquity to the present. The course explores a wide range of art forms and ideas from traditional art to controversial contemporary art and art censorship. With the knowledge gained through the study of aesthetic evolution, students will assess the art of the 20th and 21st centuries, and formulate critical judgments and aesthetic positions of their own. Fulfills the general education requirement in fine arts and thinking critically and analytically. [3 credits]

ART-363 Color Photography

Studies the aesthetics of color photography. Lectures and demonstrations cover techniques and issues related to digital, film and alternate processes. Group discussions and critiques will focus on the development of color vision, the psychology and effective uses of the unique characteristics of color photography. Lecture plus lab. [3 credits]

ART-364 Studio Photography

Practices photographic lighting using continuous and strobe lights, as well as portable flash. Artistic and professional procedures using 35mm as well as departmental 4x5 view camera systems are covered. Topics include studio and location assignments such as still life and portraiture, culminating in a portfolio. H31 [3 credits]

ART-421 Life Drawing II

Provides individualized instruction in the advanced study of the nude with special emphasis on observation, movement, proportion, figural composition, pictorial space and the development of personal interpretation of the figural form. All sessions will include short and sustained poses. Prerequisite: ART-321 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-321). [3 credits]

ATP-201 Introduction to Art Therapy

Explores the discipline of Art Therapy through a critical theoretical framework along with examining empirical evidence while providing an overview of Art Therapy as a discipline. The discipline of Art Therapy, its influences, its history, the nature of the discipline, and applications to practice will be explored. This course will also focus on the developmental, healing and wellness-promoting aspects of art making and the creative process, as well as an understanding of the basic principles of how our unconscious thoughts reach expression in images rather than words. Students will engage in art making experiences as a means to explore the creative process and its relationship to the psychological and emotional self and to understand the relationship of art making to wellness and mindfulness practices, as well as healing. Fulfills general education requirement in Wellness. Prerequisites: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

ATP-205 Prinkmaking

Introduces accessible processes of printmaking to include but not limited to mono-printing, collagraph and relief, as well as gelli plate or transfer printing. Particular emphasis will be placed upon clarity of the printed image, as well as on students experiencing and coming to value the self-expressive potential of printmaking. Goven the iterative possibilities and the relative immediacy of processes, students will experience printmaking as quite supportive of healthy, sustained self-expression; a wellness practice. Fulfills General Education requirement in Well Being. Prerequisite: For Traditional undergraduate students only. [3 credits]

ATP-310 Art Therapy Theory and Practice

Engages students in tangible exporation of the symbiotic, therapeutically significant relationship between art and psychology through didactic instruction and art-based experientials. Professional art therapists working in a variety of settings in the region will serve as guest lecturers, providing clarity as to the therapeutic needs of their clients, goals of Art Therapy with these populations, and demonstrations of their approaches. Materials and methods will be emphasized throughout the course and synthesized with supporting pschological theory and practice relative to the treatment populations explored. Development of empathic responsiveness and self-awareness through experiential learning, small group and dyadic collaboration, and written and art-based self-reflection will be central. Prerequisite: ATP-201 (https://catalog.ndm.edu/courses/list/index.php?dept=ATP#ATP-201). [3 credits]

ATP-470 Practicum in Art Therapy

Provides professionally supervised art therapy field experience opportunities for advanced students who have met prerequisite coursework identified within the major. Engages students in an initial assessment of goals related to the field of art therapy and possible graduate study, facilitating identification of a placement that might best provide for the individual's aptitudes and interests. Serves as an outcomes course for the art therapy major. As such, through the creation of a capstone research paper and presentation, professional portfolio, ethics paper, and assessment of skills, students will integrate and demonstrate mastery of their comprehensive knowledge and skills comprising the discipline of art therapy. Requires student to meet academic and background requirements for chosen placement and to attend a seminar in addition to work within the practicum site. Students will accrue a total of 200 hours within the practicum site. Prerequisites: ATP-201 (https://catalog.ndm.edu/courses/list/index.php?dept=ATP#ATP-201), PSY-305 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-305), PSY-207 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-207), PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210), ATP-310 (https://catalog.ndm.edu/courses/list/index.php?dept=ATP#ATP-310), PSY-306 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-306) and technical standards as evaluated by the Program Director; senior art therapy major, consultation with program director. Not open to liberal arts majors; minimum grade of C must be earned in this course. [4 credits]

MAT-215 Basic Statistics

Introduces the basic ideas of statistics: descriptive statistics, central tendency variability, probability distributions, sampling, estimation, hypothesis testing, correlation and regression, multinomial experiments, contingency tables and analysis of variance. A statistical software package is used. Designed for students
in a variety of fields that rely on regular statistical analysis in decision-making. Fulfills general education requirement in Quantitative Reasoning. Prerequisite: Placement in MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) or successful completion of MAT-100 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-100), MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103), or MAT-116 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-116) is recommended. [3 credits]

PSY-101 Introductory Psychology

Examines psychology's perspective on human behavior through many human experiences: learning and memory, perception, motivation and emotion, personality, social interaction, normal and abnormal behavior, and human development. Draws from experience and fosters application to the students' own lives. This is a foundational course, and it meets prerequisite requirements for most psychology courses. Fulfills general education requirement in social science and thinking critically and analytically. Lecture and lab. [4 credits]

PSY-205 Theories of Personality

Explores the structure, processes and development of personality from major theoretical perspectives, including psychoanalytic, neoanalytic, humanistic, behavioral, social behavioral and trait approaches. Emphasizes the comprehension, application and contrast of theories of personality and the enhancement of the student's critical thinking skills. Prerequisite: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-207 Psychopathology

Examines the wide range of disordered behaviors from the different scholarly perspectives that comment on "abnormality." Explores the nature of abnormality; the relationships between body and mind, and brain and behavior; and the significance of abnormal personal patterns to human relationships. Prerequisites: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-210 Research Methods

Introduces the basic methods of research design and report writing in the behavioral sciences. Descriptive, correlational and experimental research strategies will be discussed. Students design original research and select appropriate data analyses. Ethical issues in each type of research design will be explored. Lecture and laboratory. Prerequisites: MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) and PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) or CRM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-101) or SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101). Satisfies the technological competency requirement. [4 credits]

PSY-233 Human Growth and Development

Explores the principles of developmental psychology from infancy through adulthood and includes general consideration of developmental tasks through the lifespan. Prerequisite: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-306 Theories and Techniques of Counseling

Introduces counseling perspectives, models, ethics and counseling skills for students interested in the helping professions. Surveys major theoretical paradigms and emphasizes mastery of basic communication skills useful in interpersonal relations settings. All students participate in lectures, class demonstrations, role playing and peer practice by using depart-mental counseling suites. This is the foundation course for PSY-406 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-406) Advanced Therapeutic Techniques. Prerequisites: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210), PSY-205 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-205), and PSY-207 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-207) and Technical Standards as evaluated by the department. [3 credits]

Behavioral Neuroscience (Major)

Psychology Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Nikeea Copeland Linder, Ph.D., *Chair*
Jon Stanton, Ph.D.

Degrees offered

Major

Campuses

Main Campus

Traditional Undergraduate

The Behavioral Neuroscience is an interdisciplinary Major designed to serve those traditional undergraduate students interested in the biological basis of behavior with primary emphasis on brain-behavior relationships. The Program of Study provides a core of Biology, Chemistry, Psychology, and Neuroscience courses. Students explore neurobiology and the neural correlates of behavior, sensation and perception, cognition, animal behavior, genetics, and development grounded in the disciplines of Psychology and Biology. Emphasis is placed on biological and psychological research techniques. In her junior or senior year, the student will integrate the two areas in her practicum, a field experience designed to fit each student's specific interest.

The Behavioral Neuroscience Major prepares the student for masters or doctoral graduate work in the growing field of neuroscience or immediate entry into a career as a research technician. The addition of two semesters of physics provides excellent preparation for medical school, veterinary school, or graduate school. Behavioral Neuroscience is not eligible to be considered as a Double Major or a Minor if taken in conjunction with the Biology Major or Minor. Those students interested in medical or veterinary school are provided with further specialized advising to prepare them for competitive admissions to such programs.

Behavioral Neuroscience Majors are required to earn a minimum of a C grade in all required courses for their major. Due to the need for carefully scripted movement through the prerequisites and laboratory courses, students with an interest in this Program should contact the Department Chair in their first year to facilitate graduation in four years.

Program of Study

Required Courses (Credits)

BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology (4)

BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230) Unity and Diversity of Life (4)

BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) Genetics (4)

BIO-341 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-341) Vertebrate Anatomy (4)

BIO-413 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-413) Neurobiology (4)

PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) Introductory Psychology (4)

PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) Research Methods I (4)

PSY-325 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-325) Learning and Motivation (4)

PSY-340 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-340) Quantitative Methods (4)

PSY-212 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-212) Cognition (3)

PSY-220 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-220) Introduction to Neuroscience (3)

PSY-223 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-223) Biopsychology (3)

PSY-323 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-323) Sensation and Perception (4)

PSY-461 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-461) Practicum (4) OR

PSY-463 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-463) Independent Research Consisting of a Data Collection Project (3)

CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) General Chemistry I (4)

CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) General Chemistry II (4)

CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) Organic Chemistry I (4)

MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) Discrete Mathematics (3)

MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics (3)

MAT-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-243) Linear Algebra (3)

PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) General Physics (4)

Students interested in medical school should take Organic Chemistry II, Physics 102, and Calculus I and II.

It is important that students confer closely with her advisor to facilitate graduation in four years.

See Biology (biology/#courses), Chemistry (chemistry/#courses), and Psychology (psychology/#courses) Departmental sections for course descriptions.

Four-year Plan

Below is a sample Program of Study for the Behavioral Neuroscience Major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives on Education	3	General education/electives	6
PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) Introduction to Psychology	4	BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) Genetics	4
BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fund of Biology	4	CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) General Chemistry II	4
CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) General Chemistry I	4	MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215)	3
[15 credits]		[17 credits]	

Second year

PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) Research Methods	4	PSY-340 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-340) Quantitative Methods	4
BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230) Unity & Diversity of Life	4	PSY-325 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-325) Learning & Motivation	4
CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) Organic Chemistry I	4	PSY-223 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-223) Biopsychology	3
PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201) Introduction to Philosophy	3	PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) General Physics	3
PSY-212 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-212) Cognition	3		
[18 credits]		[14 credits]	

Third year

BIO-341 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-341) Vertebrate Anatomy	4		
MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) Discrete Mathematics	4		
PSY-220 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-220) Introduction to Neuroscience	3	PSY-323 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-323) Sensation & Perception	4
BIO-413 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-413) Neurobiology	4	PSY-461 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-461) Practicum OR PSY-463 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-463) Independent Research	4
General education/electives	3	General Education/Electives	3
[18 credits]		[15 credits]	

Fourth year			
		MAT-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-243) Linear Algebra	3
General education/electives	9	General education/electives	12
[15 credits]		[15 credits]	

Careful attention to course sequencing is required since courses are offered on rotating years and to ensure that prerequisites are taken.

Courses

BIO-111 Fundamentals of Biology

Focuses on the structure and function of the fundamental unit of life, the cell. Examines basic biological molecules, membrane structure and function, basic metabolism, photosynthesis, cellular reproduction, evolution, genetics and introductory systematics. In weekly laboratory exercises, students design and conduct experiments to answer scenario-based questions. Includes independent small-group laboratory research project that culminates in a student research symposium. Three hours lecture and four hours laboratory. Designed for students with a strong high school background in biology, chemistry and mathematics. Prerequisite: Satisfactory score on the NDMU Placement Exam or BIO-110 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-110) with minimum grade of C, or permission or chair. For STEM majors only. Fulfills general education requirement in natural sciences. [4 credits]

BIO-111L Lab: Fundamentals of Biology

This lab is a co-requisite for BIO 111.

BIO-230 Unity and Diversity of Life

Focuses on the unity of biological processes common to plants, animals and fungi, such as transport, gas exchange, and reproduction; also focuses on the diversity of organisms in their adaptation to environmental challenges. Unity and diversity are studied in both ecological and evolutionary contexts. An independent small-group research project is completed in the laboratory and culminates in a student research symposium. Three hours lecture and three hours laboratory. Prerequisite: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) with minimum grade of C or permission of the instructor. [4 credits]

BIO-230L Lab: Unity and Diversity of Life

This lab is a co-requisite for BIO 230.

BIO-239 Genetics

Considers the mechanisms by which biological information is stored, accessed, and passed on from one generation to the next from both Mendelian and molecular genetic perspectives. Introduces basic techniques of molecular biology such as bacterial transformations, gel electrophoresis, DNA sequencing and sequencing analysis. Includes the use of online databases such as Pub Med and sequence analysis tools such as BLAST. Three hours lecture and three hours laboratory. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) and CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110), each with a minimum grade of C or permission of instructor. [4 credits]

BIO-239L Lab: Genetics

This lab is a co-requisite for BIO 239.

BIO-341 Vertebrate Anatomy

Examines the major evolutionary trends in structure and function of the vertebrates. Analyzes the anatomy of fishes, amphibians, reptiles and mammals in the context of phylogeny, ecology and the physical and chemical environment. Laboratory exercises involve examination of commercially prepared specimens to develop the skills for dissection. Three hours lecture and three hours laboratory. Prerequisite: BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230) Unity and Diversity of Life with a minimum grade of C or permission of the instructor. [4 credits]

BIO-341L Lab: Vertebrate Anatomy

This lab is a co-requisite for BIO 341.

BIO-413 Neurobiology

Focuses on the mechanisms by which neural systems control animal behavior. Integrates neural function with underlying biochemistry, cell biology and organ physiology. The laboratory places strong emphasis on data acquisition from electrophysiological hardware and data analysis from computer software. Includes small group research in which each group independently designs, implements, analyzes and presents a semester-long research project in the context of a simulated symposium. Three hours lecture and three hours laboratory. Prerequisites: PSY-223 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-223) or BIO-341 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-341) Vertebrate Anatomy, CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) each with a minimum grade of C or permission of instructor. [4 credits]

BIO-413L Lab: Neurobiology

This lab is a co-requisite for BIO 413.

CHM-110 General Chemistry I

Focuses on fundamental chemical concepts and principles with emphasis on inorganic compounds. Explores descriptive and quantitative aspects of chemistry, including atomic and molecular structure, chemical bonding, states of matter, solutions, basic thermodynamics, electrochemistry, equilibrium, acids and bases, and kinetics. Laboratory is coordinated with lecture and emphasizes basic techniques such as titration, spectroscopy, and quantitative and qualitative analysis, along with inorganic synthesis and calculator-based experiments. Three lectures, one discussion period and one laboratory each week. High school algebra required. Satisfies the general education requirement in natural science. [4 credits]

CHM-111 General Chemistry II

Focuses on fundamental chemical concepts and principles with emphasis on inorganic compounds. Explores descriptive and quantitative aspects of chemistry, including atomic and molecular structure, chemical bonding, states of matter, solutions, basic thermodynamics, electrochemistry, equilibrium, acids and bases, and kinetics. Laboratory is coordinated with lecture and emphasizes basic techniques such as titration, spectroscopy, and quantitative and qualitative analysis, along with inorganic synthesis and calculator-based experiments. Three lectures, one discussion period and one laboratory each week. High school algebra required. Prerequisites: CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) with a minimum grade of C or permission of Chair. Permission of the instructor is required to enroll in CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) if the prerequisite CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) was not fulfilled at Notre Dame. [4 credits]

CHM-210 Organic Chemistry I

Focuses on functional group classification, nomenclature, synthesis, and reactions with a strong emphasis on reaction mechanisms of organic compounds. Laboratory is coordinated with lecture material and stresses basic techniques such as distillation, recrystallization, extraction, and chromatography, along with organic synthesis using macroscale applications. Three lectures, one discussion and one laboratory period per week. Prerequisites: CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) with a minimum grade of C or permission of Chair. [4 credits]

MAT-110 Discrete Mathematics

Introduces topics that find their applications in the field of computers and computing. Topics include: logic, proof, graphs, trees and counting techniques. This course is designed for Mathematics Majors, Computer Studies Majors and students with a particular interest in mathematics. [3 credits]

MAT-215 Basic Statistics

Introduces the basic ideas of statistics: descriptive statistics, central tendency variability, probability distributions, sampling, estimation, hypothesis testing, correlation and regression, multinomial experiments, contingency tables and analysis of variance. A statistical software package is used.

Designed for students
in a variety of fields that rely on regular statistical analysis in decision-making. Fulfills general education requirement in Quantitative Reasoning. Prerequisite: Placement in MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) or successful completion of MAT-100 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-100), MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103), or MAT-116 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-116) is recommended. [3 credits]

MAT-243 Linear Algebra

Studies systems of linear equations and their respective solution set. Material covered has use in such fields as physical and biological science, business, economics, computing and cryptography. Topics include matrices, vector spaces, linear transformations, determinants, eigenspaces and approximation techniques. Prerequisite: MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). [3 credits]

PHY-101 General Physics I

Examines the fundamental physical laws of nature and their use in understanding natural phenomena. Course provides a knowledge base for study in all areas of science and mathematics. Topics include kinematics, conservation of energy and momentum, dynamics of motion, Newton's laws, rotational mechanics, and waves. Special topics such as the universal law of gravity and fluids will be covered depending on time and student interest. Development of the concepts of vector algebra and calculus are provided as needed. Three lectures, one three-hour laboratory weekly. Course must be taken with PHY-101L (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101L). Pre-requisites: MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107) or MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). Students intending to continue with PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) should take MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). [4 credits]

PSY-101 Introductory Psychology

Examines psychology's perspective on human behavior through many human experiences: learning and memory, perception, motivation and emotion, personality, social interaction, normal and abnormal behavior, and human development. Draws from experience and fosters application to the students' own lives. This is a foundational course, and it meets prerequisite requirements for most psychology courses. Fulfills general education requirement in social science and thinking critically and analytically.
Lecture and lab. [4 credits]

PSY-210 Research Methods

Introduces the basic methods of research design and report writing in the behavioral sciences. Descriptive, correlational and experimental research strategies will be discussed. Students design original research and select appropriate data analyses. Ethical issues in each type of research design will

be explored. Lecture and laboratory. Prerequisites: MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) and PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) or CRM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-101) or SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101). Satisfies the technological competency requirement. [4 credits]

PSY-212 Cognition

Investigates the nature of thinking, including attention, perceptual organization, memory, imagery, concept formation, problem solving and language. Emphasis is placed on both research and practical applications of the decision-making process, strategies for problem solving and the facilitation of memory. Prerequisite: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-220 Introduction to Neuroscience

This course is an introduction to the human nervous system exploring bio-behavioral relationships of the brain, mind, and behavior from a multidisciplinary perspective. Topics will include the sturcture and function of the nervous system, sensory and motor functioning, cognition, motivation, emotion, consciousness, neuroplasticity, behavioral genetics, and nervous system disorders. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) or PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-223 Biopsychology

Presents a current understanding of the brain and its relationship to the behaviors of species from simple organisms to humans. Content includes the study of the anatomy and function of neural systems and their relationship to major disorders of the central nervous system. Contemporary techniques of neural investigation are included. The relationship between biopsychology and other content areas within psychology such as cognitive processes, human development, clinical psychology, learning, motivation and perception are high-lighted. Prerequisites: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) or BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) with a minimum grade of C. [3 credits]

PSY-323 Sensation and Perception

Investigates the structure and function of sensory receptors and the organization of sensory input for the basic senses of vision, audition, taste, smell, and touch. Lecture and laboratory. Prerequisite: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210). [4 credits]

PSY-325 Learning and Motivation

Develops knowledge and research skills in learning and the experimental analysis of behavior in both animals and humans. Covers theoretical issues, basic principles, and experimental procedures. Emphasizes biological explanatory mechanisms. Practical applications of basic principles are considered. Lecture and laboratory. Prerequisite: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210). [4 credits]

PSY-340 Quantitative Methods

Builds on the content of Research Methods (PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210)) to provide hands-on research and data analysis experience using more advanced techniques. Explores multivariate research designs and analysis including multifactor analysis of variance, multiple regression, factor analysis and selected non-parametric techniques. Students design and conduct a research project, write an APA research report, create a poster presentation and use professional statistical analysis software. Lecture and laboratory. Prerequisite: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210). [4 credits]

PSY-461 Practicum I

Provides opportunities for field experience for qualified students under professional supervision. Allows for consultative meeting with practicum coordinator concerning career goals and aspirations, which then determine the nature of a placement most consistent with student abilities and interests. Offers students an additional opportunity for advanced training and increased levels of professional responsibility through Practicum II. Requires students to meet academic and background requirements for chosen placement and to attend an academic seminar in addition to fieldwork. Prerequisites: junior psychology major status and conference with coordinator. Not open to liberal arts majors or psychology minors. Technical Standards as evaluated by the department. Cannot retake if student receives a failing grade. Students will not be permitted to repeat PSY 461 or PSY 462 if they receive a failing grade (D or F) or are removed from their practicum site due to an ethical violation. Ethical violations are defined by the American Psychological Association's Ethical Principles of Psychologists and Code of Conduct. Ethical violations may include plagiarism. The practicum requirement cannot be waived or completed through another institution. [4 credits]

PSY-463 Independent Research/Independent Study

Independent study of a topic and development of a project of a student's choice. Includes directed readings, literature review and clinical study or data collection and analysis. Mentored and supervised by a faculty member of the department. Each student completes a major research paper and oral presentation. Prerequisites: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210), PSY-340 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-340) and acceptance for supervision by a department member. [3 credits]

Biology (Major, Minor)

Department

Pamela O'Brien, Ph.D., *Dean*, School of Arts, Sciences and Business
Hangkyo Lim, Ph.D., *Chair*
Jewel Daniel, Ph.D.
Beth French, Ph. D
Jennifer Kerr, Ph.D.
Laura Riley, DVM
Meenu Vikram, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus

The Biology Department of the School of Arts, Sciences, and Business offers a Major and Minor in Biology to traditional undergraduate students. It also offers Students preparation for pharmacy, medical, dental, veterinary, graduate schools, and secondary teaching certification. The Department provides a broad view of the biological sciences consistent with the liberal arts tradition of the University.

Summary

The Biology Program of Study incorporates emerging areas of biology; it also integrates these with traditional organismal studies. Small classes, lectures, and seminars explore current trends and provide a climate for individualized learning. Laboratory facilities offer opportunities for hypothesis-driven experimentation that demands student initiative and creativity. In addition, independent student research is embedded in many courses within the Major. Students may pursue basic or applied research either on campus or at universities or research institutions local, national, and international.

The Program of Study prepares students for employment opportunities in research laboratories, medical and government facilities, pharmaceutical companies and other industries.

The General Education Requirement in the Natural Sciences may be fulfilled by taking BIO-104 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-104) Chesapeake Bay, BIO-107 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-107) Human Biology, BIO-110 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-110) Exploring Concepts in Biology, BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology, BIO-115 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-115) Environmental Science, BIO-116 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-116) Conservation Biology or BIO-150 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-150) Principles of Evolution (Adult Undergraduate only).

The following Empower and Engage General Education requirements may be met by the Biology courses listed:

Scientific Reasoning: BIO-104 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-104) Chesapeake Bay, BIO-107 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-107) Human biology, BIO-110 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-110) Exploring Concepts in Biology, BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of

Biology, BIO-115 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-115) Environmental Science, or BIO-116 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-116) Conservation Biology.

Biology majors must maintain a minimum cumulative grade point average of 2.0 in all courses taken to complete the requirements of the Major. Grades of "C" or better in BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111), BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230), BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239), and BIO-451 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-451) are required to complete the Biology Major.

The Biology Program of Study offers a broadly based approach to biological systems, ranging from molecular and cellular to ecological and evolutionary biology.

Required Courses for a Major In Biology

BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology (4)*
BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230) Unity and Diversity of Life (4)
BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) Genetics (4)

Six courses from the following, including either (http://catalog.ndm.edu/courses/list/index.php?dept=BIO)**BIO-307 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-307) or** (http://catalog.ndm.edu/courses/list/index.php?dept=BIO)**BIO-311 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-311) and at least three at the 400-level**

BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) Human Anatomy & Physiology I (4) & BIO-202 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO) Human Anatomy & Physiology II (4) count as one of six courses
BIO-307 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-307) Ecology (4)
BIO-311 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-311) Evolution (4)
BIO-340 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-340) Microbiology (4)
BIO-341 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-341) Vertebrate Anatomy (4)
BIO-343 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-343) Animal Behavior (4)
BIO-403 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-403) Immunology (3)
BIO-410 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-410) Cell and Molecular Biology (4)
BIO-411 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-411) Special Topics (3)
BIO-413 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-413) Neurobiology (4)
BIO-415 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-415) Developmental Biology (4)
BIO-425 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-425) Biochemistry I (4)
BIO-426 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-426) Biochemistry II (4)
BIO-431 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-431) Animal Physiology (4)
BIO-473 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-473) Biological Research (3-4)

All the following

BIO-451 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-451) Senior Seminar (3)
CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) and CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) General Chemistry I, II (8)
CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) and CHM-211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211) Organic Chemistry I, II (8)
One course in Mathematics (MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107) Elementary Functions, MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) Calculus I) (3 or 4)

It is strongly recommended students intending to take upper-level chemistry courses or preparing for graduate school take MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212) Calculus II (4) and PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) and PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102), General Physics I, II (8)

* For students entering with the Empower and Engage General Education program, BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) may fulfill their General Education course in Scientific Reasoning requirement; it does not count towards their major. However, it must be taken as a necessary pre-requisite to subsequent courses in the Biology major

Secondary Education Certification—Approved Program in Biology

All requirements for the Major. Upper level courses must include both BIO-307 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-307) Ecology and BIO-311 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-311) Evolution. Students are required to take PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) General Physics I. PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) General Physics II is strongly recommended. In addition, students take the professional education courses offered by the Education Department.

Minor in Biology

BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology

BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) Genetics

BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230) Unity and Diversity of Life

Plus three additional Biology courses at the 300/400 level, including BIO 202; at least one of which must be a laboratory course.

Pre-Medical/Pre-Dental/Pre-Veterinary Programs

All required courses for a Major in Biology plus General Physics I and II (PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101), PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102)), Mathematics through Calculus I (MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211)), and Biochemistry I and II. The following course choices strongly recommended: Vertebrate Anatomy, Microbiology, Animal Physiology, Immunology and Cell and Molecular Biology. Calculus II (MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212)) and Basic Statistics (MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215)) are highly recommended.

Pre-Pharmacy and Biology-Pharmacy Accelerated (3-4) Program

See Pharmacy Studies (http://catalog.ndm.edu/ccg/undergraduate-catalog/school-of-arts-and-sciences-undergraduate-catalog/pharmacystudies/) for a detailed description of program.

Liberal Arts

The student follows the Program of Study that is outlined in the Liberal Arts (http://catalog.ndm.edu/ccg/undergraduate-catalog/school-of-arts-and-sciences-undergraduate-catalog/liberalarts/index.html#biology) section of the Catalog. Students should select courses with the assistance of a faculty adviser and be aware that course cycling will impact upper-level course selection.

Biology Four-Year Plan

Within the Program of Study for the Biology Major, many alternatives of a Four-Year Plan are possible; please consult a department representative to discuss options. Students should select courses with the assistance of a faculty adviser and be aware that course cycling will impact upper-level course selection.

Fall			**Spring**
First Year			
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100)	Perspectives in Education	4	BIO-230 (http
BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111)	Fundamentals of Biology	4	CHM-111 (http
CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110)	General Chemistry I	4	
	Gen Ed/Elective	3-6	
	[14-17 credits]		
Second Year			
BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239)	Genetics	4	
CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210)	Organic Chemistry I	4	CHM-211 (http
MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211)	Calculus I	4	MAT-215 (http
	Gen Ed/Elective	3-6	

	[15-18 credits}		
Third Year			
	1 or 2 300/400 level Biology	3-8	
PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101)	General Physics I	4	PHY-102 (http
	Gen Ed/Elective	3-6	
	[14-18 credits]		
Fourth Year			
	1 or 2 300/400 level Biology	3-8	
	Gen Ed/Elective	3-9	BIO-451 (http
	[14-18 credits]		

Minimum of 120 undergraduate credits is required to graduate.

Courses

BIO-104 Chesapeake Bay

Explores the Chesapeake Bay, the largest estuary in the United States, providing a unique habitat for the region's wildlife. The course will examine the physical, geological and chemical factors that affect the rich variety of plants and animals in the bay. Students will study the bay's ecosystem and the external and natural factors that affect the health of the bay. Field work on location is required. Three hours lectures and three hours lab. Co-requisite BIO-104L (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-104L). Fulfills general education requirement in natural sciences. [4 credits]

BIO-104L Lab: Chesapeake Bay

This lab is a co-requisite for BIO-104 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-104). [0 credits]

BIO-107 Human Biology

Focuses on how the major body systems are organized and function. Examines various major health concerns, such as cardiovascular health, cancer, diabetes and obesity, and explains their relationship with proper body function. Emphasizes how well-informed decisions about lifestyle can keep body systems operating at their best. Laboratory exercises include application of key principles of structure and function for major body systems. Three hours lecture and three hours laboratory. Fulfills general education requirement in natural science and scientific reasoning. Designed for non-science majors. Co-requisite: BIO-107L (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-107L). [4 credits]

BIO-107L Lab: Human Biology

This lab is a co-requisite for BIO-107 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-107). [0 credits]

BIO-110 Exploring Concepts in Biology

Prepares first year students who plan to continue taking courses in biology, but who would benefit first from a focus on the integration of chemistry and mathematics. Students will develop concepts, design experiments, and analyze data to solve problems encountered in various branches of biology. Three hours lecture and three hours lab. Co-requisite: BIO-110L (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-110L). A grade of at least C in BIO-110 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-110) is a prerequisite for subsequent enrollment in BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111). First year traditional undergraduate students only. For STEM majors only. Fulfills general education requirement in natural science. [4 credits]

BIO-110L Lab: Exploring Concepts in Biology

This lab is a co-requisite for BIO-110 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-110).
[0 credits]

BIO-111 Fundamentals of Biology

Focuses on the structure and function of the fundamental unit of life, the cell. Examines basic biological molecules, membrane structure and function, basic metabolism, photosynthesis, cellular reproduction, evolution, genetics and introductory systematics. In weekly laboratory exercises, students design and conduct experiments to answer scenario-based questions. Includes independent small-group laboratory research project that culminates in a student research symposium. Three hours lecture and four hours laboratory. Designed for students with a strong high school background in biology, chemistry and mathematics. Prerequisite: Satisfactory score on the NDMU Placement Exam or BIO-110 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-110) with minimum grade of C, or permission or chair. For STEM majors only. Fulfills general education requirement in natural sciences. [4 credits]

BIO-111L Lab: Fundamentals of Biology

This lab is a co-requisite for BIO 111.

BIO-114 Environmental Science for Educators

Studies the interactions among the physical, chemical, biological, political and social forces which impact the environment. Provides students with scientific principles, concepts and methodologies necessary to comprehend the relationships within the natural world, to identify and analyze environmental problems, to evaluate relative risks associated with these identified problems, and to examine alternative solutions for resolving and/or preventing similar problems facing the global environment. Topics include the major biomes in the world, populations, biodiversity, water, air and land uses and issues, energy resources and waste management. [3 credits] College of Adult Undergraduate Studies students only.

BIO-115 Environmental Science

Evaluates the relationships between human populations and the natural environment. Introduces the fundamental science needed to critically analyze claims, arguments and evidence related to environmental concerns. Analyzes environmental problems and issues in terms of the underlying basic physical, chemical, and biological sciences and integrates concepts and information from many fields to support an understanding of the ecology of our planet, how we interact with it, and how our species affects the earth and its life-support systems. Laboratory sessions introduce field techniques for investigating environmental questions. AN INDEPENDENTLY DESIGNED AND EXECUTED RESEARCH PROJECT IS COMPLETED IN THE LABORATORY. Three hours lecture and three hours laboratory. Fulfills general education requirement in Scientific Reeasoning. Designed for non-science majors.Co-requisite: BIO-115L (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-115L). [4 credits]

BIO-115L Lab: Environmental Science

This lab is a co-requisite for BIO-115 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-115).
[0 credits]

BIO-116 Conservation Biology

Analyzes the causes and repercussions of the rapid, devastating, and global extinctions of plants and animals, chiefly as a result of human activities. This course examines the range of cultural, biological and environmental factors that contribute to the loss of biodiversity and the new, integrated science of conservation biology that has developed in response to the challenge of saving species and remediating the environment. Classroom discussions will treat the essential concepts and practical knowledge necessary to ensure the perpetuation of our planet's flora and fauna. Three hours lectures and three hours lab. Fulfills general education requirement in natural science. Designed for non-science majors. [4 credits]

BIO-116L Lab: Conservation Biology

This lab is a co-requisite for BIO-116 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-116). [0 credits]

BIO-150 Principles of Evolution

Describes fundamental concepts of the modern theory of evolution and provides an overview of genetic variation, adaptation, and biodiversity. Mechanisms of evolutionary change by natural selection and other agencies, theories on the origin of life, and the history of life as revealed by the fossil record and other evidence are described. Fulfills general education requirement in natural science. Designed for non-science majors. [3 credits] College of Adult Undergraduate Studies students only.

BIO-201 Human Anatomy and Physiology I

Integrates the study of structure with function of the human body. As a suite of courses, BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and 202 are intended for students interested in satisfying requirements for pharmacy, nursing, and various allied health programs. The content and level of delivery of both BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and 202 are structured so that they are compatible with similar courses offered by cooperating institutions. BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) includes discussion of cellular, tissue, integumentary, skeletal, muscular and neural systems. Includes laboratory study of anatomical models of humans and skeletal components, and dissection of a cat. BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202) includes discussion of endocrine, circulatory, immunological, digestive, urinary and reproductive systems. Strongly emphasizes study of physiological functions

that includes monitoring of body systems with analog and digital hardware. Each course includes three hours lecture and three hours laboratory. A competency exam covering basic chemistry and biology may be administered at the first class meeting and weighed in the final grade. To begin the course sequence, the student must complete BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) or the equivalent with a minimum grade of C or obtain permission of the instructor. BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) with minimum grade of C is a prerequisite for BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202). [4 credits each term]

BIO-201L Lab: Human Anatomy/Physiol I

This lab is a co-requisite for BIO 201.

BIO-202 Human Anatomy and Physiology II

Integrates the study of structure with function of the human body. As a suite of courses, BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and 202 are intended for students interested in satisfying requirements for pharmacy and various allied health programs. The content and level of delivery of both BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and 202 are structured so that they are compatible with similar courses offered by cooperating institutions. BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) includes discussion of cellular, tissue, integumentary, skeletal, muscular and neural systems. Includes laboratory study of anatomical models of humans and skeletal components, and dissection of a cat. BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202) includes discussion of endocrine, circulatory, immunological, digestive, urinary and reproductive systems. Strongly emphasizes study of physiological functions that includes monitoring of body systems with analog and digital hardware. Each course includes three hours lecture and three hours laboratory. A competency exam covering basic chemistry and biology may be administered at the first class meeting and weighed in the final grade. To begin the course sequence, the student must complete BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) or the equivalent with a minimum grade of C or obtain permission of the instructor. BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) with minimum grade of C is a prerequisite for BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202). [4 credits each term]

BIO-202L Lab: Human Anatomy/Physiol II

This lab is a co-requisite for BIO 202.

BIO-210 Biology Lab - Special Topics

Introduces biology laboratory information, techniques, and analysis, by allowing students to enroll in lab sections of existing 200-level Biology courses. This is intended as a pathway for transfer students to take the companion lab section for a 3-credit lecture-only course, where a companion lab was not offered. Students must have already completed the lecture, earning at least a C. Students must earn at least a C in this course in order to combine it with their transfer class to count as an NDMU equivalent. Interested students must get permission of the instructor and/or department chair. Enrollment is restricted to transfer students. [1 credit]

BIO-230 Unity and Diversity of Life

Focuses on the unity of biological processes common to plants, animals and fungi, such as transport, gas exchange, and reproduction; also focuses on the diversity of organisms in their adaptation to environmental challenges. Unity and diversity are studied in both ecological and evolutionary contexts. An independent small-group research project is completed in the laboratory and culminates in a student research symposium. Three hours lecture and three hours laboratory. Prerequisite: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) with minimum grade of C or permission of the instructor. [4 credits]

BIO-230L Lab: Unity and Diversity of Life

This lab is a co-requisite for BIO 230.

BIO-239 Genetics

Considers the mechanisms by which biological information is stored, accessed, and passed on from one generation to the next from both Mendelian and molecular genetic perspectives. Introduces basic techniques of molecular biology such as bacterial transformations, gel electrophoresis, DNA sequencing and sequencing analysis. Includes the use of online databases such as Pub Med and sequence analysis tools such as BLAST. Three hours lecture and three hours laboratory. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) and CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110), each with a minimum grade of C or permission of instructor. [4 credits]

BIO-239L Lab: Genetics

This lab is a co-requisite for BIO 239.

BIO-253 General Microbiology

Presents basic concepts of bacteriology, virology, mycology and parasitology with a special focus on bacteria and viruses. The structure, morphology and genetics of microbes will be investigated, as well as their requirements for and patterns of growth. Other topics will include the human microbiota, mechanisms of pathogenicity, basic host defense mechanisms, antimicrobial chemotherapy and the development of microbial drug resistance. Finally, the epidemiology of infectious diseases, along with the characteristics and methods utilized in the control of classic and emerging pathogens will be addressed. In the laboratory, students will learn basic aseptic transfer, staining and culture techniques required for the isolation, identification and enumeration of microbes, and will investigate various factors affecting microbial growth, including antiseptics, disinfectants and antimicrobial drugs. Three hours lecture and three hours laboratory. Pre-nursing students only. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) with a minimum grade of C. [4 credits]

BIO-253L Lab: General Microbiology

This lab is a co-requisite for BIO 253.

BIO-260 Genetics & Genomics for Clinical Practice

Considers the basics of molecular and Mendelian genetics and how they apply to human medical conditions. Uses specific examples to demonstrate general principles of human diseases and conditions with genetic causes to demonstrate general principles of Mendelian and molecular genetics. Discusses medical applications of emerging genetic technologies. Introduces emerging concepts in the genetic and epigenetic causes of human disease. Pre-nursing students only. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) with a minimum grade of C or permission of instructor. [3 credits]

BIO-273 Introductory Biological Research

Investigates a topic of current interest in the biological sciences under guidance of Biology Department faculty. Includes a literature search, design and execution of original laboratory research, and data analysis. Culminates in written paper or scientific poster to local and/or regional student symposia. Designed for first-and second-year students. Permission of instructor required. Can be taken for credit multiple times. [1-3 credits]

BIO-307 Ecology

Examines the relationships between living organisms and their environment. Emphasizes the physical and biological factors that influence evolution, the distribution, abundance and diversity of species, the structure of communities and ecosystem function. Applies ecological knowledge to current topics in global issues. Laboratory focuses on field experiences and the practical use of field techniques. An independently designed and executed field project is completed in the laboratory and culminates in a student research symposium. Three hours lecture and three hours laboratory. Prerequisites: BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230) Unity and Diversity of Life and CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111), each with a minimum grade of C or permission of instructor; completion of mathematics requirement strongly recommended. [4 credits]

BIO-307L Lab: Ecology

This lab is a co-requisite for BIO 307.

BIO-311 Evolution

Examines the basic processes of organic evolution, including the production of genetic variation, selection mechanisms, adaptive radiation, other evolutionary mechanisms, and speciation. The course integrates macroevolutionary patterns found in the fossil record and phylogenetics with microevolutionary processes at the molecular level. Students will explore a range of readings from molecular evolution to classic evolutionary theories. Laboratory sessions are designed to
reinforce theoretical knowledge, demonstrating how genetic and genomic data contribute to our understanding of evolution, linking microevolutionary changes to macroevolutionary trends observed in nature. Three hours lecture and three hours laboratory. Prerequisites: BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) Genetics and CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111), each with a minimum grade of C or permission of instructor. [4 credits]

BIO-311L Lab: Evolution

This lab is a co-requisite for BIO 311.

BIO-340 Microbiology

Examines the world of microorganisms and their occurrence and roles in nature. Focuses on the study of structure, growth, pathogenicity and genetics of microbes as well as their interactions in microbiome and biofilm communities. In the laboratory, students will learn sterile technique, staining, and culture techniques required for the isolation, identification, and enumeration of microbes, microbial metabolism, microbial genetics and will investigate various factors affecting microbial growth, including antiseptics, disinfectant, and antimicrobial drugs. An independently designed and

executed, small-group research project is completed in the laboratory and culminates in a student research symposium. Three hours lecture and four hours laboratory. Prerequisite: BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) and CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111), each with a minimum grade of C or permission of the instructor. [4 credits]

BIO-340L Lab: Microbiology

This lab is a co-requisite for BIO 340.

BIO-341 Vertebrate Anatomy

Examines the major evolutionary trends in structure and function of the vertebrates. Analyzes the anatomy of fishes, amphibians, reptiles and mammals in the context of phylogeny, ecology and the physical and chemical environment. Laboratory exercises involve examination of commercially prepared specimens to develop the skills for dissection. Three hours lecture and three hours laboratory. Prerequisite: BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230) Unity and Diversity of Life with a minimum grade of C or permission of the instructor. [4 credits]

BIO-341L Lab: Vertebrate Anatomy

This lab is a co-requisite for BIO 341.

BIO-343 Animal Behavior

Analyzes the behavior of animals from many perspectives, including the role of genetics and the environment, hormonal influences, and the neurobiology of behavior, as well as the evolutionary causes and consequences of behavior. Emphasizes the organizing mechanisms employed by organisms responding to complex environments and the value of behavioral strategies in finding food, avoiding predators, choosing mates, parenting, communicating and forming groups. Uses video and living examples to illustrate techniques in the study of animal behavior. An independently designed and executed research project is completed in the laboratory and culminates in a student research symposium. Three hours lecture and three hours laboratory. Prerequisite: BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230) Unity and Diversity of Life or PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101), with a minimum grade of C or permission of instructor. [4 credits]

BIO-343L Lab: Animal Behavior

This lab is a co-requisite for BIO 343.

BIO-345 Nutrition

Focuses on the basic biochemical, physiological and psychosocial principles of the science of nutrition, and their applications to the nutritional requirements during the human life span in health as well as disease. Methods used in evaluating and meeting current nutritional norms will be investigated. Students will learn to read and evaluate the current literature, as found in refereed nutritional journals as well from popular electronic sources. Three hours lecture. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) and CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) each with a minimum grade of C, or permission of Instructor. [3 credits]

BIO-403 Immunology

Covers the basic cellular and molecular mechanisms involved in humoral and cell-mediated immunity. Topics include tissues and cells of the immune response, antigen and antibody structure and function, the major histocompatibility complex, genetics of antibody and T-cell receptor formation, immune effector mechanisms and aberrations of the immune response. Three hours lecture. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) and CHM-211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211), each with a minimum grade of C or permission of the instructor; BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) Genetics and BIO-340 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-340) Microbiology strongly recommended. [3 credits]

BIO-410 Cell and Molecular Biology

Discusses the structure and function of the eukaryotic cell. Special attention is given to the function of cellular organelles, the structure of the genome, and the production and modification of proteins. In the laboratory, students employ basic molecular techniques to study cellular functions. Three hours lecture and three hours laboratory. Prerequisite: BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) Genetics, with a minimum grade of C or permission of instructor. [4 credits]

BIO-410L Lab: Cell and Molecular Biology

This lab is a co-requisite for BIO 410.

BIO-411 Special Topics in Biology

Explores, in depth, a focused topic in biology based on instructor's expertise. Topic will change from year to year and to reflect trends and developments in biology. Prerequisite: Will be noted for specific course, based on topic. [3 credits]

BIO-413 Neurobiology

Focuses on the mechanisms by which neural systems control animal behavior. Integrates neural function with underlying biochemistry, cell biology and organ physiology. The laboratory places strong emphasis on data acquisition from electrophysiological hardware and data analysis from computer software. Includes small group research in which each group independently designs, implements, analyzes and presents a semester-long research project in the context of a simulated symposium. Three hours lecture and three hours laboratory. Prerequisites: PSY-223 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-223) or BIO-341 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-341) Vertebrate Anatomy, CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) each with a minimum grade of C or permission of instructor. [4 credits]

BIO-413L Lab: Neurobiology

This lab is a co-requisite for BIO 413.

BIO-415 Developmental Biology

Focuses on the comparative mechanisms by which a single cell gives rise to a complex, multicellular organism. Uses the perspective of classical embryology, modern cell biology and molecular genetics. Includes recent advances in developmental biology with emphasis on species comparisons and evolutionary relationships. Includes small student groups that independently design, implement, analyze and present a semester-long research project that culminates in an audiovisual presentation in a simulated symposium-style format. Three hours lecture and three hours laboratory. Prerequisites: BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) Genetics, BIO-341 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-341) Vertebrate Anatomy and CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210), each with a minimum grade of C or permission of instructor. [4 credits]

BIO-415L Lab: Developmental Biology

This lab is a co-requisite for BIO 415.

BIO-425 Biochemistry I

Focuses on biomolecules, enzyme kinetics, the biochemistry of energy production, and a description of basic metabolic pathways as well as their regulation and integration in functioning organisms. Three hours lecture and three hours laboratory. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111), CHM-211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211) each with a minimum grade of C or permission of instructor. [4 credits]

BIO-425L Lab: Biochemistry I

This lab is a co-requisite for BIO 425.

BIO-426 Biochemistry II

Focuses on biomolecules, enzyme kinetics, the biochemistry of energy production, and a description of basic metabolic pathways as well as their regulation and integration in functioning organisms. Three hours lecture and three hours laboratory. Prerequisite: BIO-425 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-425) with minimum grade of C or permission of instructor. [4 credits]

BIO-426L Lab: Biochemistry II

This lab is a co-requisite for BIO 426.

BIO-431 Animal Physiology

Investigates how specific physiological functions and animal behavior have underlying biochemical, cellular and organ system structural designs. Focuses on comparative physiology in the context of how animal systems can be influenced by environmental conditions and how these have been modified through evolution. Includes small group projects in which students independently design, implement, analyze and present semester-long research projects in the form of a simulated symposium. Three hours lecture and three hours laboratory. Prerequisite: BIO-341 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-341) Vertebrate Anatomy and CHM-211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211), each with a minimum grade of C or permission of instructor. [4 credits]

BIO-431L Lab: Animal Physiology

This lab is a co-requisite for BIO 431.

BIO-451 Senior Seminar

Serves as the capstone experience in the major. Focuses on critical synthesis and analysis of biological literature. Includes student-led discussions of research papers on topics of individual student interest. Develops knowledge of a topic, library research skills and interpretation of the original research literature in biology. Culminates in a written review of scientific literature on a topic of individual interest. Prerequisite: senior biology major or permission of instructor. [3 credits]

BIO-463 Independent Study

Focuses on individual study in biology under the direction of a faculty member. Culminates in written paper or conference presentation. Permission of instructor required. [1 to 4 credits]

BIO-473 Biological Research

Investigates a topic of current interest in the biological sciences under guidance of Biology Department faculty. Includes a literature search and design and execution of original laboratory research project. Culminates in a written paper or scientific poster. Course is designed for students of Junior or Senior class status. Permission of instructor required. Can be taken multiple times. [4 credits; may be split over successive semesters.]

Notre Dame of Maryland University (http://www.ndm.edu/)
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Baltimore, Maryland 21210

410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0,0&z=16)

Careers at NDM (http://www.ndm.edu/about/human-resources/)

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Business (Major, Minor)

Business and Economics Department

Pamela O'Brien, Ph.D., *Dean*, School of Arts, Sciences and Business
Leslie A. Korb, Ph.D., *Chair*
Ademar Bechtold, Ph.D.
Lawrence Beyer, C.F.A., M.B.A.
Charles E. Yoe, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus
Online

The Business and Economics Department offers a major in Business to students in the traditional undergraduate program, College of Adult Undergraduate Studies, and NDMU Online. It also offers majors in International Business and Marketing Communications in the traditional undergraduate programs. Minors in Business, International Business and Entrepreneurship are offered in the traditional undergraduate and College of Adult Undergraduate Studies. The Business major includes a broad range of courses that provide the student with a strong foundation of

knowledge in business and economics within the liberal arts curriculum. In addition to gaining a thorough understanding of core business concepts, students are taught to act ethically, think critically and creatively, and communicate effectively.

Summary

The Program of Study in Business is designed to ensure all Notre Dame Business graduates meet the following core competencies identified by major employers in the Baltimore/Washington corridor:

- Integrate quantitative and qualitative skills to solve problems and support decision-making,
- Demonstrate effective leadership skills in a team environment,
- Communicate effectively in all business environments with different types of media, and,
- Use technology to enhance business productivity and the quality of decision-making

Graduates of the Business Program of Study work in a variety of fields such as accounting, banking, marketing research, project and product management, human resource management, health care administration, nonprofit management, information systems, marketing, portfolio management, investments, law and many types of entrepreneurial adventures.

The Academic Program in Business

Undergraduate Degree

The undergraduate Business degree is offered in three instructional formats.

1. 16-week traditional semester - primarily face-to-face class meetings with up to 25 enrolled students.
2. 8-week hybrid course format in weekday evenings from 6:00 pm - 8:45 pm - combining eight face-to-face class meetings along with additional learning online. Class sizes vary.
3. 8-week totally online course format - Students rarely required to be online synchronously. Class sizes do not exceed 20 students.

Courses

Class sizes are small and interactive. NDMU faculty are committed to helping students succeed and value greatly student experiences and contributions. Students should expect their thinking to be challenged in a productive and respectful manner. Per Federal guidelines and university policy, each 3 credit course, regardless of course length or format, involves a minimum of 37.5 hours of instruction and at a minimum of 75 hours of student work outside of class time.

Please note: A grade of C or better is required for all courses in the Business major or Business minor. Transfer students must complete a minimum of five course in the Business Major regrdless of the number of credits accepted in transfer.

Students are strongly urged to complete their Math requirement early in their college career because of the quantitative nature of many Business courses.

Foundational Business Courses

The foundational Business Courses that students should take are BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Principles of Management, BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing, BUS-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-253) Financial Accounting, BUS-254 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-254) Managerial Accounting, BUS-304 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-304) Legal Environment of Business, BUS-310 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-310) Professional Communications, BUS-321 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-321) Corporate Financial Management, BUS-350 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-350) International Business, ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Introduction to Macroeconomics and ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Introduction to Microeconomics. [30 credits]

These courses provide a theoretical and practical/skills approach to Management. Additional skills are taught in BUS-360 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-360) Business Research, BUS-334 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-334) Teamwork and Negotiation, BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225) Data Analysis I and BUS-325 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-325) Data Analysis for Business Decisions II, BUS-400 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-400) Leadership, BUS-432 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-432) Advanced Business Policy, and BUS-461 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-461) Business Practicum.

Advanced Business Policy and Practicum

These two courses (BUS-432 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-432) and BUS-461 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-461)) enable students to apply the knowledge and skills learned throughout the degree program to strategic issues in business management and in the workplace. The successful completion of Advanced Business Policy, the capstone course, is required of all business majors and should be taken during the student's last semester of study. The four-credit practicum course is required for all business majors who do not have at least two years of full-time professional work experience. The practicum includes a 120-hour internship. [3 to 7 credits]

Business Elective Courses

Students complete their degree requirements either by completing courses for a concentration in accounting, or by completing at least two 400-level Business Elective courses. The upper-division elective courses challenge students to address complex business problems in a chosen field of interest such as finance, management, marketing, international business and human resource management. Students are required to complete two business elective course but are encouraged to take additional business electives if possible. [6 credits]

Accounting Concentration Through Loyola

Intermediate and advanced accounting courses are offered for those students interested in preparing for the Certified Public Accountants (CPA) exam through an agreement with Loyola University. After completing introductory Accounting courses (BUS-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-253) and BUS-254 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-254)) at Notre Dame of Maryland, Business students must complete 12 credits of intermediate and advanced accounting courses to fulfill their accounting concentration requirements. The Accounting concentration does not prepare a student adequately to take the CPA exam. Additional credits may be earned by applying to and registering for the Masters in Accountancy program through Loyola. [12 credits]

Business Minor

The Business and Economics Department works closely with students in other majors interested in a Minor in Business. Students with a Business minor are better prepared to understand and respond to the business environment in which their career fields operate. Flexibility of the Business minor ensures students have the ability to choose those business courses most helpful in their career fields. The Business minor comprises six courses (18 credits) and requires the student complete at least one course in Economics and BUS-416 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=BUS#BUS-416) Managing Financial Resources. In consultation with the department chair, no more than three courses from the student's major may be applied to the completion of the Business minor. No more than nine credits may be transferred into the minor.

Five-Year Option: B.A./M.A.

The Five-year Option enables a full-time traditional undergraduate Business major or minor student to complete the Bachelor of Arts and the Master of Arts in Leadership and Management degrees in five years. A student wishing to pursue a five-year integrated program must meet with her advisor and the Chair of the Business and Economics Department before she registers for the fall semester of her senior year to plan her Program of Study and to determine program eligibility and review program requirements.

Study Abroad

Study abroad opportunities exist for all three student groups. They range from a full semester abroad to a 10-day study tour led by NDMU faculty during winter, spring or summer break.

Required Core Courses for Major in Business (Credits)

BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Principles of Management (3)
BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing
BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225) Data Analysis for Business Decisions I (3)
BUS-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-253) Financial Accounting
BUS-254 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-254) Managerial Accounting
BUS-304 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-304) Legal Environment of

Business I (3)

BUS-310 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-310) Professional Communications (3)

BUS-321 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-321) Corporate Financial Management (3)

BUS-334 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-334) Teamwork and Negotiation (3)

BUS-350 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-350) International Business (3)

BUS-360 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-360) Business Research (3)

BUS-325 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-325) Data Analysis for Business Decisions II (3)

BUS-432 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-432) Business Strategy (capstone) (3)

BUS-461 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-461) Business Practicum (Required for traditional undergraduate students) (Only required for Adult Undergraduate & NDMU Online when student has less than 2 years of full-time professional experience) (4)

CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Programming Concepts (3)

ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Introduction to Macroeconomics (3)

ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Introduction to Microeconomics (3)

ECO-402 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-402) Money and Banking (3)

Business majors must fulfill the General Education requirement, Investigating through Scientific and Quantitative Reasoning with either MAT-100 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-100) Algebra Applications, MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103) Applied Algebra, MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107) Elementary Functions or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) Calculus I. Calculus I is the preferred Math course for Business majors.

Students are required to complete either the accounting concentration or at least two of the 400-level business elective courses listed below.

Accounting Emphasis (12 Credits)

This emphasis begins with BUS-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-253) and BUS-254 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-254) taken at Notre Dame of Maryland University. The following courses must be taken at Loyola University of Baltimore.

BUS-337 (http://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-337) Intermediate Accounting I (3)

BUS-338 (http://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-338) Intermediate Accounting II (3)

Select a minimum of two courses from the following:

BUS-305 (http://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-305) Legal Environment of Business II (3)

BUS-335 (http://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-335) Cost Accounting (3)

BUS-340 (http://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-340) Tax Accounting (3)

BUS-341 (http://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-341) Corporate Tax Accounting (3)

BUS-412 (http://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-412) Auditing (3)

BUS-421 (http://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-421) Advanced Accounting Theory I (3)

Please note: Students may need additional courses to qualify to sit for the CPA exames.

Business Electives (6 Credits)

BUS-406 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-406) Leading Innovation and Change (3)

BUS-436 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-436) Socially Responsible and Sustainable Business Practices (3)

BUS-463 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-463) Independent Study in Business (1-4)

BUS-480 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-480) Organizational Behavior (3)

BUS-482 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-482) Consumer Behavior (3)

BUS-486 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-486) Human Resources Management (3)

Four-Year Plan

Below is a sample Program of Study for the Business Major. Business Majors sould take BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Principles of Management, BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing, ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Macroeconomics, ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Microeconomics, BUS-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-253) Financial Accounting and BUS-254 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-254) Managerial Accounting before any other courses in their major.

Students should select courses with the assistance of a faculty advisor. However, it is recommended that students fulfill thier Math requirement during their first year.

See Course Description for prerequisites and corequisites.

Fall		Spring	
First year			
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	3	BUS-334 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-334) Teamwork and Negotiation	3
ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Microeconomics	3	ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Macroeconomics	3
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing	3
BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Principles of Management	3	Foreign Language (if required)	3
Foreign Language	3	General Education/Electives	3
[15 credits]		[15 credits]	
Second year			
BUS-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-253) Financial Accounting I	3	BUS-254 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-254) Managerial Accounting II	3
BUS-310 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-310) Professional Communications	3	BUS-325 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-325) Data Analysis for Business Decisions II	3
BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225) Data Analysis for Business Decisions I	3	General Education/Electives	9
General Education/Electives	6		

[15 credits]		[15 credits]	
Third year			
BUS-304 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-304) Legal Environment of Business I	3	BUS-360 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-360) Business Research	3
BUS-321 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-321) Corporate Financial Management	3	BUS-400 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-400) Leadership	3
General Education/Electives	3	Business Elective	3
Gen. Ed./Electives and/or Accounting concentration and/or Business electives	9	Gen. Ed./Electives and/or Accounting concentration and/or Business electives	6
[15 credits]		[15 credits]	
Fourth year			
BUS-350 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-350) International Business	3	BUS-432 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-432) Business Strategy	3
BUS-461 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-461) Business Practicum		General Education/Electives	12
ECO-402 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-402) Money and Banking	3		
Business Elective or Accounting Concentration	3		
General Education/Electives	6		
[15 credits]		[15 credits]	

Note: Business electives in management, marketing, finance, international business or human resources management may be taken in junior year if prerequisites are completed.

Accreditation

Accreditation Council for Business Schools & Programs (http://www.acbsp.org/) (ACBSP)

ACBSP promotes excellence in business education. It focuses on strong student learning outcomes and teaching excellence.

Courses

BUS-105 Create Your Future: Introduction to Business and Entrepreneurship

Begins with the learner developing a profile of her ideal work experience and explores how that ideal may be met through a career in business. Placing the learner in the role of a new business entrepreneur, the course exposes the learner to all the disciplinary aspects of starting a new business (management, marketing, finance, accounting, human resources, legal and economics) by focusing on the tasks that must be accomplished. This hands-on approach to starting and running a business exposes students to the complex world of the small business entrepreneur and helps them determine which area of business they wish to study in depth. [3 credits]

BUS-202 Principles of Management

Examines organizational, human resources, operational, and functional aspects of ethically managing activities of diverse workforces in organizational settings. Analyzes traditional managerial functions of planning, organizing,leading and controlling within the context of changing demands in orgsnizations that compete effectively in an interconnected, global environment. [3 credits]

BUS-225 Data Analysis for Business Decisions I

Emphasizes the foundation areas of data management, interpretation, and analysis. The course focuses on methods tomanage and explain data, describe and interpret data quantitatively using statistical techniques, and apply the results to make better management decisions. Data Analysis involves using statistical methods to understand and interpret data acquired in business applications. In this course students will learn techniques to manage data using Excel tools, explain data through charts and graphs, and describe and interpret data in probabilistic terms. [3 credits]

BUS-253 Financial Accounting

Introduces principles and practices leading to the preparation of a balance sheet, income statement and statement of cash flow. Presents the basics of accounting principles and its applications in the business world. The course explores the concepts and techniques of accounting for individual proprietorships and corporations. [3 credits]

BUS-253W Workshop: Financial Accounting

BUS-254 Managerial Accounting

Builds on material covered in the Financial Accounting course. Focuses on understanding and developing managerial accounting skills that help analyze the cost of production in a manufacturing environment. The course introduces the topics of budgeting, planning and controlling of costs in a



business operation. Prerequisite: BUS-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-253) or BUS-211 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-211). [3 credits]

BUS-255 Personal Financial Management

Develops a realistic approach to managing personal finances and creating a personal financial plan. Students will be introduced to the fundamentals of sound financial planning, goal setting, and strategies to accomplish those goals. Students will also learn how to manage credit; invest for the short-term, medium term, and long term; create a retirement plan; and evaluate life insurance, homeowners insurance and car insurance policies. [3 credits]

BUS-303 Principles of Marketing

This course introduces the language of the strategic marketing process. While formulating viable marketing strategies for diverse business situations, learners will gain experience gathering and analyzing industry and market data, as well as implementing core-marketing concepts such as market segmentation, targeting, positioning,and the marketing mix in the formulation and implementation of real-world marketing strategies. This course culminates in the development of a marketing plan for a new product, service or retail establishment. [3 credits]

BUS-304 The Legal Environment of Business I

Explores the legal environment of business, including contracts, implications of the Constitution and our structure of government, sales and employment law, legal substitutes for money, consumer and creditor protection including bankruptcy, and types of business organizations. Focuses on the implications of law for the business leader and practical ways to track changes in the law. Prerequisite: BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) or equivalent. [3 credits]

BUS-305 The Legal Environment of Business II

Builds on material covered in Legal Environment of Business I. It explores commercial paper, debtor-creditor relations, real property and estates, accountants' liability and secured transactions. In addition, students examine the legal aspects of the various business forms in greater detail. Prerequisite: BUS-304 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-304) or permission of chair. [3 credits]

BUS-310 Professional Communications

Explores communications contexts within organizations and refines written and oral communications skills used in business and professional settings. Emphasizes appropriateness, effectiveness, and nuance while taking into consideration situation, audience, and delivery mode. Learners use common business communications tools and technologies as well as social media. Prerequisite: ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) or NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) (honors section). [3 credits]



BUS-321 Corporate Financial Management

Emphasizes the foundation areas of finance to educate students in financial decisionmaking. Introduces concepts including time value of money, net present value and alternative measures used in financial decisionmaking, financial ratio analysis, capital budgeting, cost of capital, and asset valuation. Prerequisites for Business majors: BUS-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-253), BUS-254 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-254). Prerequisites for International Business majors: BUS-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-253). Recommend completion of general education requirement in math. [3 credits]

BUS-325 Data Analysis for Business Decisions II

Investigate and employ inferential statistical techniques frequently used to inform business decision-making. Students will examine, in depth, the uses, calculations, limitations, and business applications of interval estimation and sample size, hypothesis testing, and regression analysis. Prerequisite BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225) [3 credits]

BUS-327 Prof Selling & Negotiation

Current theory and trends in sales, negotiation and persuasive communications. Students explore the knowledge and skills necessary to effectively apply professional sales and principled negotiations techniques to both their professional and personal lives. Class is highly experiential and requires extensive class participation. 3 credits.

BUS-334 Teamwork and Negotiation

Analyzes the dynamics, structure and function of teams in businesses and other organizations. Examines the framework and components of conflict resolution and negotiation in both organizational and personal situations. Learners will assess and strengthen key interpersonal skills. This course utilizes active learning pedagogy extensively including role plays, small group exercises, and simulations. [3 credits]

BUS-335 Cost Accounting

Introduces cost data as a tool for management decisionmaking. The course provides an in-depth examination of volume-profit analysis, budgeting, job order costs and variance analysis. Prerequisite: BUS-254 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-254). [3 credits]

BUS-337 Intermediate Accounting I

Covers collecting, adjusting and presenting of accounting information. Emphasizes understanding published financial statements and developing a framework for analyzing a wide variety of financial reporting issues. Students examine topics including cash, short-term investments, receivables, payables, inventories, and operational assets and liabilities. Prerequisite: BUS-254 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-254). [3 credits]

BUS-337L Lab: Intermediate Accounting I

Lab is only for classes taken at Loyola University through the Baltimore Student Exchange Program. [1 credit]

BUS-338 Intermediate Accounting II

Builds on material covered in BUS-337 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-337). Provides information on stockholders' equity, long-term investments, long-term debt, pensions, leases, financial statement analysis and price-level accounting. Prerequisite: BUS-337 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-337). [3 credits]

BUS-340 Tax Accounting

Focuses on federal tax laws as they apply to the individual. Introduces gross incomes and exclusions, tax determination, passive activity losses, itemized deductions, tax credits and property transactions. Students examine tax planning considerations and tax avoidance techniques. Prerequisite: BUS-254 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-254). [3 credits]

BUS-341 Corporate Tax Accounting

Focuses on federal tax laws as they apply to corporations, S corporations, partnerships and estates. Students examine tax analysis and determination for management decisionmaking, filing requirements for estates and trusts, and choosing an entity selection to minimize tax liability. Prerequisite: BUS-254 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-254). [3 credits]

BUS-350 International Business

Critically analyzes factors affecting business operations in the global marketplace. Introduces theories and practical strategies for evaluating constraints and opportunities resulting from economic, cultural, legal, and ethical differences to political and financial realities at home and abroad. Provides hands-on opportunities for analyzing international business opportunities, developing international competitive strategies, and for comparing and contrasting different entry modes. Prerequisites: ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) or ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212). Fulfills general education requirement in cross-cultural studies. [3 credits]

BUS-360 Business Research

Introduces students to key sources of secondary data and basic research methods that enable them to define the research problem, develop the research plan, collect, evaluate and organize relevant information, develop findings and conclusions and recommend a preferred course of action supported by analysis. Students will learn core primary research concepts such as how to locate key industry and customer information via secondary databases as well as to design an electronic survey and conduct a focus group. [3 credits]

BUS-380 Introduction to the U.S. Health Care System

Introduces the student to the organization and structure of the U.S. health care system, including institutions, health care professionals and government programs that influence the delivery of health care services. The student is also introduced to policy issues relating to access, efficiency and quality of health care services. [3 credits]

BUS-400 Leadership

Identifies important leadership concepts used to critically evaluate students' perceptions about leadership and describe relevant leadership attitudes, behaviors, and skills. Incorporates a variety of experiences including self-assessment, skill development, and small group team activities to strengthen personal and organizational leadership. Integrates course learning, experience and feedback to assess individual leadership skills and identify personal development needs. Prerequisites: Junior/Senior standing. [3 credits]

BUS-401 Entrepreneurship I

Provides a thorough overview of the complete process of developing and launching for-profit, non-profit or social business ventures. Topics include idea generation strategies, executive summaries, brand creation and selection of business names. Students will gain an understanding of bootstrapping, scalability, promotion, distribution and pricing. The importance of laws and regulations for all aspects of a new venture will be explored. Patents, copyrights, contracts and regulations will also be discussed. The major component of this course will be application of market research skills to research databases and primary/secondary sources of information to complete a formal assessment of the viability of a business idea. This course will culminate in the completion of a feasibility analysis to test assumptions derived from market research. Prerequisite: BUS-303 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-303) or permission of chair. [3 credits]

BUS-402 Entrepreneurship II

Continues the progression set forth in Entrepreneurship I by teaching students the process for developing a comprehensive business plan for an entrepreneurial start-up endeavor. Additionally, students will be assigned a successful entrepreneur from the student's field of interest to serve as their mentor throughout the semester. Students will learn how to prepare a financial plan. They will analyze actual business agreements to gain familiarity with the language of and issues contained in those documents. Students will build marketing competencies essential to building and sustaining a new venture, such as how to identify customer needs, determine correct target markets and develop sales/marketing tactics and strategies. Students will also prepare and deliver an oral presentation of their plan from the perspective of an entrepreneur presenting to potential investors. Prerequisite: BUS-401 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-401). Corequisite: BUS-416 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-416) or BUS-321 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-321) or permission of chair. [3 credits]

BUS-406 Leading Innovation and Change

Examines the core problems organizations and individuals face as they move through the dynamic processes of innovation and change. Students will identify highly successful change efforts and evaluate the strategies and techniques used. The key issues of changing behaviors, overcoming resistance to change and the role of leaders and followers in the process will be important themes. [3 credits]

BUS-411 Topics in Business

Explores contemporary topics in business such as non-positional leadership, leadership's dark side, managing human capital, healthcare and sports marketing. [3 credits]

BUS-412 Auditing

Explores principles and practices of auditing through use of problems, questions and specimen working papers applicable to a balance sheet audit. Emphasizes techniques and routine procedures by applying the principles to a realistic audit. Prerequisites: BUS-212 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-212) or BUS-254 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-254), accounting concentration or permission of chair. [3 credits]

BUS-416 Managing Financial Resources

Provides students with an overview of the accounting and financial tools necessary for managers. Addresses the development and analysis of basic financial statements, the development of budgets (both operating and capital), and other techniques of financial analysis for management decision-making. Prerequisite: general education mathematics requirement. Business majors may not take this course; students who have taken BUS-255 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-255) may not take this course. [3 credits]

BUS-421 Advanced Accounting Theory I

Focuses on more complex topics in financial accounting. Emphasizes accounting theories and practices used in partnerships, business combinations and consolidations. Prerequisite: BUS-338 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-338). [3 credits]

BUS-427 Business Study Tour

Tours to various parts of the world designed to combine study and travel. Examines the interplay of culture, politics, economics, and society of tour country; compares approaches to economic and social policies in tour country and the United States; examines how tour country's awareness and public perceptions of environmental issues have changed over time; explores how different economic and cultural systems in the U.S. and tour country affect life in the other countries. Organized and directed by members of the department. Fulfills general education requirement in cross-cultural studies and serves as a 400 level business elective for undergraduate students. [3 credits]



BUS-432 Business Strategy

Provides opportunities for students to apply knowledge gained from their core business courses to the formulation, implementation and evaluation of strategic management initiatives through case studies of specific organizations. Designed as a capstone experience. Prerequisites: BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202), BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203),BUS-304 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-304), BUS-321 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-321), ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211), ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212), BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225). BUS-325 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-325),and senior standing; major only. [3 credits]

BUS-436 Socially Responsible and Sustainable Practices

Studies and analyzes the increasing pressures on organizations to make the right decisions by acting in ways that benefit society and reduce negative environmental impacts. Students will complete research on organizations that use sustainable and responsible models; utilize case studies to identify current and best practices; and develop guiding principles for decision making. [3 credits]

BUS-442 International Finance

Examines opportunities and risks associated with international finance. Studies the international banking system, international money market, international bond markets and international equity markets. Explains exchange rate behavior and examines currency derivatives including future and options on foreign exchanges, currency and interest swaps, and international portfolio investments. Students will evaluate strategies to hedge against foreign exposures, including economic, translation, transaction and cash flow exposures. They will also analyze and evaluate the impact of central banks and financial policies around the world. Prerequisite: BUS-321 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-321). [3 credits]

BUS-450 International Business Capstone: Exporting and Importing

Integrates learning from business courses, courses from other departments and real world experiences through the completion of a capstone projects. Students will be given the option to work with a client or to create an international business report. Students that choose to work with a client will develop an international business strategy and write a business plan for a specific initiative related to trade, production or investment in one or more foreign countries. The student will prepare a business report and present it to the client. Students that choose to create an international business report will conduct research to evaluate the aspects of globalization of markets, production, and/or investment in a selected foreign country. At the end of the semester, the student will prepare a report and present it to students, faculty, and guests at Notre Dame. Prerequisites: BUS-302 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-302), BUS-303

(https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-303), BUS-321 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-321), BUS-350 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-350) and co-requisite BUS-442 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-442). [3 credits]

BUS-451 Women in Leadership

Evaluates opportunities, issues and complexities that women face in the workplace. Analyzes differences between gender style and content in communications and behavior; critiques societal expectations of women and men in the workplace and in leadership roles; connects management and leadership precepts through the lens of gender; examines leadership attributes through nontraditional sources. Cross-listed as a graduate course to promote co-mentoring and networking. Prerequisite: Junior standing or permission of chair applies to traditional undergraduate students only. Fulfills general education requirement in gender studies. [3 credits]

BUS-460 Coached Emerging Leadership Practicum

Provides students the opportunity to gain meaningful leadership learning experience in an organized and structured format. Eligible traditional undergraduate students would be those who either hold or will hold a leadership role in campus club life, such as student government, clubs and sports teams, or in their communities, such as church or local community associations. CAUS students need to seek a leadership opportunity at their places of work or in their communities in order to be eligible. Focus is on the students emerging leadership experience as it unfolds during the activity, which should be documented using a variety of assignments. Course credit will be given based upon the amount of time the activity requires during the course of a semester, e.g., one credit for 30 hours, two credits for 60 hours, and three credits to 90 hours. Prerequisites: One of the following courses: BUS-400 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-400), BUS-406 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-406), BUS-451 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-451), NUR-432 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-432), POL-217 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-217) or POL-462 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-462) and Junior/Senior status. The leadership course prerequisite may be fulfilled by enrolling in BUS-460W. This workshop will consist of weekly seminars wherein contemporary readings on leadership will be assigned, discussed and evaluated. On successful completion, one additional credit will be awarded in conjunction with the one, two or three credit level initially assigned to the activity. Variable credit 1, 2, 3]

BUS-460W Workshop: Coached Emerging Leadership Practicum

For students who have not had leadership instruction in one of their courses, this Leadership Workshop is a required co-in requisite to be taken along with BUS-460 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-460), Coached Emerging Leadership Practicum. This workshop will consist of weekly seminars wherein contemporary readings on leadership

will be assigned, discussed and evaluated. On successful completion, one additional credit will be awarded in conjunction with the one, two or three credit level initially assigned to BUS-460 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-460). [1 credit]

BUS-461 Business Practicum

Connects academic learning with professional experience. Develops and reinforces business related skills, especially those needed by women in business today. Provides peer support to discuss and reflect on work-related issues. Students examine individual strengths and areas for improvement. Required for traditional undergraduate students. Required for CAUS and NDMU Online students with less than 2 years of FT professional work experience. Prerequisites: Business major with senior standing and permission of instructor. [4 credits]

BUS-463 Independent Study in Business

Provides an opportunity for business students to explore an area of business in-depth while working independently and under faculty supervision. The nature, scope and design of the project to be completed, as well as a schedule of prearranged meetings, will be individually contracted between the faculty member and the student. Prerequisite: acceptance for supervision by a department faculty member. [1-4 credits]

BUS-480 Organizational Behavior

Examines the factors affecting human behavior in organizations. Students apply relevant theories to contemporary organizational problems through the use of case analyses, readings and experiential exercises. The course focuses on developing analytical frameworks to describe and assess organizational culture, structure, leadership, ethics, change, decision making, power and political processes. Prerequisite: BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202). [3 credits]

BUS-482 Consumer Behavior

Investigates consumer and organizational buyer behavior theory and its impact on the formulation of marketing strategy. Provides students with an opportunity to examine current buyer behavior theory including digital behavior and its use by marketers to influence consumers. Through the analysis of case studies, a thorough examination of current empirical buyer behavior research, students will design, implement and analyze buyer behavior mini-research projects. This class is designed as an interactive, collaborative seminar. Prerequisite: BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203), Principles of Marketing or permission of chair. [3 credits]

BUS-483 Integrated Marketing Communications

Provides an overview of integrated marketing communications programs and the role they play in the implementation of successful marketing strategy. Students will examine the integration of traditional and non-traditional forms of communication. Traditional forms of communication include advertising, public relations and personal selling. Non-traditional forms of communication include online advertising, blogs, pod casts, social media and direct response marketing. Students will gain experience gathering

and analyzing market data and developing an integrated marketing communications plan. Designed as a capstone experience. Prerequisite: BUS-303 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-303) Principles of Marketing and junior or senior standing. [3 credits]

BUS-484 Investment Management

Emphasizes the foundation areas of investment management, including securities markets, stock and bond valuation, portfolio theory, the efficient market hypothesis and investment decisionmaking. Students will complete a research project as well as build a diversified investment portfolio for a hypothetical client. Projects involve written and oral reports. Prerequisites BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225), BUS-321 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-321). [3 credits]

BUS-485 Advanced Financial Management

Provides in-depth analysis of financial management decisions and decision-tools. Topics may include capital structure and capital issuance, dividend policy, corporate financial planning, derivatives for hedging stock volatility, derivatives for hedging interest rate risk and financial institutions. Students will complete a research project and develop strategies to manage an external environment challenge. Projects involve written and oral reports. Prerequisites: BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225), BUS-321 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-321). [3 credits]

BUS-486 Human Resource Management

Develops knowledge and skills in the human resource management functions of strategic human resource planning, job design, recruitment and selection, training and development, performance management, employee relations and compensation and benefits. Focuses on the legal environment of human resource management and its impact on the entire human resource system. Enhances background students will need to make informed human resource decisions in organizations. Prerequisite: BUS-302 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-302). Cannot be taken if student took BUS-315 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-315). [3 credits]

BUS-487 Advanced Topics in Human Resource Management

Provides a comprehensive review and evaluation of complex human resource management situations. Uses case studies, seminars, experiential activities and research. Students will apply their knowledge, skills and experience in recommendations to address real-world human resource issues. Prerequisite: BUS-302 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-302), BUS-486 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-486). [3 credits]

CST-171 Programming Concepts

Introduces computer programming using the Python programming language. Emphasizes logical approaches for algorithmic solutions to solve realistic applications. Explores programming structures such as decisions, repetitions, sub procedures, functions, and arrays using program design with object-

oriented concepts. Introduces a variety of program types to meet various business needs. Fulfills the general education requirement of thinking critically and analytically. [3 credits]

ECO-211 Introduction to Macroeconomics

Focuses on the United States economy and its relations with the world. Examines how interactions among consumers, businesses, government and the rest of the world impact economic growth, inflation, unemployment and business cycles. Investigates the impact of monetary and fiscal policies on the overall performance of the economy. Fulfills general education requirement in social science. [3 credits]

ECO-212 Introduction to Microeconomics

Examines the manner in which prices are determined and limited resources are allocated efficiently through mastery of basic supply and demand. Considers the behavior of producers and consumers under various competitive conditions. Assesses the role of government in responding to market failures. Fulfills general education requirement in social science. [3 credits]

ECO-402 Money and Banking

Examines the interactions between the United States financial system and the wider economy. Studies current developments in monetary policy and financial markets and explores the impact of money on the productive sector of the economy. Analyzes current economic, financial and international issues and tracks a variety of economic indicators to predict the actions of the Federal Reserve. Prerequisite: ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) or permission of instructor. [3 credits]

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Catholic Studies (Minor)

Religious Studies Department

Pamela O'Brien, Ph.D., *Dean*, School of Arts, Sciences and Business
Mari Rapela Heidt, Ph.D., *Chair*
Najeeb Haddad, Ph.D.
Jens Mueller, Ph.D.

Degrees offered

Minor

Campuses

Main Campus

The Catholic Studies Minor is offered to traditional undergraduate students. It is an interdisciplinary program that provides students with opportunities to encounter the Catholic intellectual tradition in a variety of academic disciplines, including the arts and literature, the natural and social sciences, and philosophy and theology. Students will engage the wealth and depth of Catholic thought and culture in the past and present, and probe issues of faith, reason and culture raised by the dialogue of Catholicism with other fields of inquiry. Courses in the

Minor highlight the distinctive contributions of Catholic intellectuals and scholars and reflect on the challenges facing Catholics in the contemporary world. Students will gain a solid interdisciplinary foundation for understanding the interaction between Catholic faith and culture, as well as for appreciating the richness, diversity, and vitality of the Catholic intellectual mission.

The Minor in Catholic Studies consists of seven courses and 21 credits, including Introduction to Catholic Studies and Seminar in Catholic Studies. Introduction to Catholic Studies will introduce students to the discipline of Catholic Studies, and Seminar in Catholic Studies will serve as a capstone for the specific distribution of courses that each student chooses for her course of study.

A student wishing to Minor in Catholic Studies is encouraged to meet with the Program Coordinator to design an appropriate Program of Study to complement her Major and to receive information about course cycling.

Notre Dame of Maryland University
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Chemistry (Major, Minor)

Department

Pamela O'Brien, Ph.D., *Dean, School of Arts, Sciences and Business*
Jocelyn McKeon, Ph.D., *Chair*
Jason Labonte, Ph. D.

Degrees offered

Major
Minor

Campuses

Main Campus

The Program of Study in Chemistry at Notre Dame is designed to give students a broad view and deep understanding of the chemical sciences. Introductory courses offer the student a solid foundation in chemical principles, while laboratory experiences introduce her to the techniques and practices of modern chemistry. Advanced courses focus on important areas and methods of chemistry such as chemical identification and analyses, data reduction and interpretation, experiment

design, synthesis, physicochemical measurements, instrumentation, quantum mechanics, computational chemistry, simulation and modeling, technical writing, and the chemical literature.

Summary

The Chemistry Department of the School of Arts, Sciences, and Business offers a Major and Minor in Chemistry to traditional undergraduate students. It also offers students preparation for pharmacy, medical, dental, veterinary, and graduate schools, as well as for secondary teaching certification. Chemistry, the study of matter and energy, is a challenging discipline that prepares students for many careers including but not limited to: research, pharmaceutical sciences, biotechnology, medicine, engineering and education. Interdisciplinary opportunities may be created by using the Chemistry degree in the context of other fields (including law, business, technical and science writing, and information science).

Juniors and seniors are encouraged to integrate their course experiences by conducting original research under the supervision of one of the faculty. In addition, students are advised to explore chemical work experience through an internship in a government, industrial or medical laboratory in the area.

Students may be invited to be inducted into the Gamma Theta chapter of the Gamma Sigma Epsilon Chemistry Honor Society, or they may join the Student Affiliates of the American Chemical Society. The activities available to students include pursuing internships at institutions in the region, contributing to professional conferences and symposia, attending meetings of the Maryland Section of the American Chemical Society (held on campus and locally), participating in chemistry department seminars and other events, and sponsoring social events. Special opportunities exist for students to work as student lab assistants and in the Department's preparation and stockrooms. Scholarships and awards include the Sister Denise Dooley Scholarship, Anne Dulea Award, CRC Press Chemistry Achievement student award, and the Maryland Section of the American Chemical Society student award.

The following Empower and Engage General Education requirements may be met as follows:

Science: CHM-103 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-103), CHM-104 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-104) and CHM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-106)

Students interested in the Chemistry Major, including those who would like to transfer from another institution, should contact a department representative prior to arrival on campus. Students should declare the Major and indicate choice of Program by the beginning of their second semester of study.

For students interested in a career in pharmacy, Notre Dame's School of Pharmacy offers the Doctor of Pharmacy (Pharm.D.) program and a 3-4 (B.A./Pharm.D.) program for Chemistry majors. A 3-2 dual degree program in engineering is also available. Chemistry majors may pursue the B.A. or B.A./M.A.T. program in secondary education as well.

Chemistry Majors and Minors must complete all courses required for the Major/Minor with a minimum grade of C.

Required Courses for a Major in Chemistry

CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) and CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) General Chemistry I and II (8)

CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) and CHM-211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211) Organic Chemistry I and II (8)

CHM-301 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-301) and CHM-302 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-302) Physical Chemistry I and II (8)

CHM-303 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-303) Analytical Chemistry (4)

CHM-305 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-305) Instrumental Analysis (4)

CHM-325 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-325) Survey of Biochemistry **OR** CHM-425 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-425) Biochemistry I (4)

CHM-350 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-350) Chemical Literature (1)

CHM-450 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-450) Chemistry Seminar (2)

MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) and MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212) Mathematics through Calculus II (8)

PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) and PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) General Physics I and II (8)

ONE course chosen from:

CHM-401 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-401) Advanced Topics in Chemistry (4)

CHM-407 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-407), CHM-408 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-408) Chemical Research I, II (8)

CHM-426 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-426) Biochemistry II (4)

CHM-463 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-463) Independent Study in Chemistry (4)

Special advanced courses offered at cooperating colleges/universities may be allowed with permission of department advisor and chair. No more than two 300- and/or 400-level chemistry courses (with a minimum grade of C) from a cooperating institution may be used to fulfill requirements for the major.

One course chosen from:

MAT-213 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-213) Calculus III (3)

MAT-315 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-315) Differential Equations (3)

PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) Modern Physics (3)

CST-295 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-295) C++ Object-oriented Programming (3)

Another advanced math/physics or computer course may be substituted with permission of the Chair.

Minor in Chemistry

CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) and 111 General Chemistry I and II (8)

CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) and 211 Organic Chemistry I and II (8)

Choice of two courses with laboratory (with prerequisite) from the following:

CHM-301 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-301) Physical Chemistry I

CHM-302 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-302) Physical Chemistry II

CHM-303 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-303) Analytical Chemistry

CHM-305 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-305) Instrumental Analysis

CHM-325 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-325) Survey of Biochemistry

CHM-401 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-401) Advanced Topics in Chemistry

CHM-425 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-425) Biochemistry I or CHM-426 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-426) Biochemistry II.

All 300-level and 400-level courses must be taken at Notre Dame.

Pre-Medical, Pre-Dental and Pre-Veterinary Programs

Students complete all chemistry courses listed under the Chemistry Major. Students may substitute one advanced science course (approved by the faculty advisor and program coordinator) for CHM-302 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-302), CHM-305 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-305) or one of the four credit option courses.

Additional requirements:

BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology (4)

Three 4-credit courses from the following list:

BIO-415 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-415) Developmental Biology
BIO-340 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-340) Microbiology
BIO-341 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-341) Vertebrate Anatomy
BIO-431 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-431) Animal Physiology
CHM-425 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-425) Biochemistry I and/or CHM-426 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-426) Biochemistry II

Students following this program of study should consider the Minor in Biology.

Students should consult the American Medical Association Bulletin, the admission requirements of American dental schools, and individual medical, dental and veterinary school bulletins or admission officers for more specific requirements. Students also should contact the Pre-Professional Program Advisor early in their course of studies.

Secondary Education Certification—Approved Program in Chemistry

Students who wish to prepare for teaching in secondary schools complete the courses listed under the Chemistry Major along with BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology and PHY-155 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-155) Introduction to Astronomy. In their senior year, pre-service teachers are encouraged to complete CHM-407 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-407) Chemical Research I as one of the option courses. One other course substitution may be made when appropriate. In addition, students complete professional education courses offered by the School of Education for the B.A. or B.A./M.A.T. Program.

Dual Degree Program in Chemistry and Engineering

Qualified students with an interest in one of the engineering disciplines, especially chemical engineering or materials science, may obtain a Bachelor of Arts Degree in Chemistry from Notre Dame and a Bachelor's Degree in Engineering from one of our partner schools. Students complete their first three years of study at Notre Dame taking general and advanced courses toward the Chemistry degree. See the Engineering section (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/engineering) for specific program information.

Liberal Arts

The student follows the Program of Study outlined in the Liberal Arts (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/liberal-arts) section (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/liberal-arts) of the catalog

B.A. Chemistry — Pharmacy (Pharm.D.) Options

Students may wish to complete a degree in Chemistry prior to entering a Doctor of Pharmacy (Pharm.D.) program. This option allows the student to present a strong application and provides a second degree. Many applicants to Pharm.D. programs already hold an undergraduate degree. Students may improve their prospects for admission by using this option and it provides additional career paths. To do so, students complete required courses for the Chemistry Major as indicated (including Calculus II and Physics II). Students prepare for applying to a School of Pharmacy by completing necessary additional prerequisites in sciences (*e.g.* biology courses) and other specific courses in the liberal arts. Students take these courses based on the admission requirements of the Pharmacy School to which they will apply.

Students wishing to apply to the Notre Dame of Maryland University School of Pharmacy must complete additional courses as indicated in the Pharmacy Studies section. The student consults with their academic advisor or the Pre-pharmacy Coordinator no later than junior year to assess academic readiness to take the Pharmacy College Admission Test (PCAT) exam. The student should then follow the appropriate School of Pharmacy application procedure.

Accelerated B.A./Pharm.D. Program (3 + 4)

The Department of Chemistry offers traditional undergraduate students an opportunity to earn a bachelor's degree on an accelerated basis in combination with their pursuit of the Doctor of Pharmacy degree at the School of Pharmacy. Consult the Pharmacy Studies section (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/pharmacy-studies) of the Catalog for more information.

Four-Year Plan

Below is a sample Program of Study for the Chemistry Major.

Students should select courses with the assistance of a faculty advisor.

See Course Descriptions for a list of required courses and description of course and program options.

Fall		Spring	
First year			
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives in Education	4	ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3
BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology (recommended for certain programs)	4	RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) Introduction to Biblical Studies	3

CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) General Chemistry	4	CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) General Chemistry II	4
MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) Calculus I	4	MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212) Calculus II	4
[16 credits]		[14 credits]	

Second year

CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) Organic Chemistry	4	CHM-211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211) Organic Chemistry II	4
PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) Physics I	4	PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) Physics II	4
COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Communication	3	Religious Studies (300/400)	3
History	3	Philosophy (200)	3
Foreign Language	3	Physical Education	1
[17 credits]		[15 credits]	

Third year

CHM-301 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-301) Physical Chemistry I	4	CHM-302 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-302) Physical Chemistry II	4
CHM-350 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-350) Chemical Literature	1	CHM-401 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-401)/408/325/426 Advanced Topics/Research/Biochemistry I II	4

CHM-407 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-407)/425 Research/Biochemistry I	4	Literature	3
Philosophy (300/400)	3	Fine Arts	3
General Education/Electives	6	General Education/Electives	3
[18 credits]		[17 credits]	
Fourth year			
CHM-303 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-303) Analytical Chemistry	4	CHM-305 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-305) Instrumental Analysis	4
MAT-213 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-213)/315/PHY-201or CST-295 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-295)	3	CHM-450 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-450) Chemistry Seminar	2
Social Science	3	Electives/Internship	9
General Education/Electives	6	[15 credits]	
[16 credits]			

Courses

BIO-111 Fundamentals of Biology

Focuses on the structure and function of the fundamental unit of life, the cell. Examines basic biological molecules, membrane structure and function, basic metabolism, photosynthesis, cellular reproduction, evolution, genetics and introductory systematics. In weekly laboratory exercises, students design and conduct experiments to answer scenario-based questions. Includes independent small-group laboratory research project that culminates in a student research symposium. Three hours lecture and four hours laboratory. Designed for students with a strong high school background in biology, chemistry and mathematics. Prerequisite: Satisfactory score on the NDMU Placement Exam or BIO-110 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-110) with minimum grade of C, or permission or chair. For STEM majors only. Fulfills general education requirement in natural sciences. [4 credits]

BIO-340 Microbiology

Examines the world of microorganisms and their occurrence and roles in nature. Focuses on the study of structure, growth, pathogenicity and genetics of microbes as well as their interactions in microbiome and biofilm communities. In the laboratory, students will learn sterile technique, staining, and culture techniques required for the isolation, identification, and enumeration of microbes, microbial metabolism, microbial genetics and will investigate various factors affecting microbial growth, including antiseptics, disinfectant, and antimicrobial drugs. An independently designed and executed, small-group research project is completed in the laboratory and culminates in a student research symposium. Three hours lecture and four hours laboratory. Prerequisite: BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) and CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111), each with a minimum grade of C or permission of the instructor. [4 credits]

BIO-341 Vertebrate Anatomy

Examines the major evolutionary trends in structure and function of the vertebrates. Analyzes the anatomy of fishes, amphibians, reptiles and mammals in the context of phylogeny, ecology and the physical and chemical environment. Laboratory exercises involve examination of commercially prepared specimens to develop the skills for dissection. Three hours lecture and three hours laboratory. Prerequisite: BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230) Unity and Diversity of Life with a minimum grade of C or permission of the instructor. [4 credits]

BIO-415 Developmental Biology

Focuses on the comparative mechanisms by which a single cell gives rise to a complex, multicellular organism. Uses the perspective of classical embryology, modern cell biology and molecular genetics. Includes recent advances in developmental biology with emphasis on species comparisons and evolutionary relationships. Includes small student groups that independently design, implement, analyze and present a semester-long research project that culminates in an audiovisual presentation in a simulated symposium-style format. Three hours lecture and three hours laboratory. Prerequisites: BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) Genetics, BIO-341 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-341) Vertebrate Anatomy and CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210), each with a minimum grade of C or permission of instructor. [4 credits]

BIO-431 Animal Physiology

Investigates how specific physiological functions and animal behavior have underlying biochemical, cellular and organ system structural designs. Focuses on comparative physiology in the context of how animal systems can be influenced by environmental conditions and how these have been modified through evolution. Includes small group projects in which students independently design, implement, analyze and present semester-long research projects in the form of a simulated symposium. Three hours lecture and three hours laboratory. Prerequisite: BIO-341 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-341) Vertebrate Anatomy and CHM-

211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211), each with a minimum grade of C or permission of instructor. [4 credits]

CHM-103 The Chemical World Around Us

Explores basic chemical concepts and principles and how they apply to daily life. Discusses chemistry topics of interest to students, including: the environment, radioactivity and nuclear chemistry, polymers and plastics, geochemistry, biochemistry (e.g. DNA, proteins, enzymes), drugs and medicines, food and nutrition, household and personal hygiene products, and other chemical topics/issues related to life in the modern world. Three lectures and one laboratory period each week. Satisfies the general education requirement in natural sciences. [4 credits]

CHM-104 Introduction to Inorganic Chemistry

Emphasizes the fundamental concepts and principles that form the basis of general/inorganic chemistry and those that are particularly pertinent to the health sciences. The following topics are covered: methods of chemistry, understanding the Periodic Table, chemical bonding and properties, chemical reactions and calculations, acids and bases, solutions, behavior of gases, and quantitative and descriptive aspects of chemistry. Use of practical applications will aid students in understanding scientific problems. Laboratory engages students in a variety of chemical experiments that enhance the understanding of lecture topics. Lab and lecture integrated. Fulfills general education requirement in natural sciences for radiological sciences. [4 credits]

CHM-106 Introduction to Organic Chemistry

Presents the basic principles of organic chemistry which include identification and reactions of the fundamental groups, system of nomenclature and stereochemistry. Students also will investigate the properties and reactions of complex organic compounds such as carbohydrates, lipids and proteins. The laboratory engages students in techniques and methods that are used by chemists to identify, synthesize and purify organic compounds. Lab and lecture integrated. Prerequisite: CHM-104 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-104). [4 credits]

CHM-110 General Chemistry I

Focuses on fundamental chemical concepts and principles with emphasis on inorganic compounds. Explores descriptive and quantitative aspects of chemistry, including atomic and molecular structure, chemical bonding, states of matter, solutions, basic thermodynamics, electrochemistry, equilibrium, acids and bases, and kinetics. Laboratory is coordinated with lecture and emphasizes basic techniques such as titration, spectroscopy, and quantitative and qualitative analysis, along with inorganic synthesis and calculator-based experiments. Three lectures, one discussion period and one laboratory each week. High school algebra required. Satisfies the general education requirement in natural science. [4 credits]

CHM-111 General Chemistry II

Focuses on fundamental chemical concepts and principles with emphasis on inorganic compounds. Explores descriptive and quantitative aspects of chemistry, including atomic and molecular structure, chemical bonding, states of matter, solutions, basic thermodynamics, electrochemistry, equilibrium, acids and bases, and kinetics. Laboratory is coordinated with lecture and emphasizes basic techniques such as titration, spectroscopy, and quantitative and qualitative analysis, along with inorganic synthesis and calculator-based experiments. Three lectures, one discussion period and one laboratory each week. High school algebra required. Prerequisites: CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) with a minimum grade of C or permission of Chair. Permission of the instructor is required to enroll in CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) if the prerequisite CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) was not fulfilled at Notre Dame. [4 credits]

CHM-210 Organic Chemistry I

Focuses on functional group classification, nomenclature, synthesis, and reactions with a strong emphasis on reaction mechanisms of organic compounds. Laboratory is coordinated with lecture material and stresses basic techniques such as distillation, recrystallization, extraction, and chromatography, along with organic synthesis using macroscale applications. Three lectures, one discussion and one laboratory period per week. Prerequisites: CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) with a minimum grade of C or permission of Chair. [4 credits]

CHM-211 Organic Chemistry II

Focuses on functional group classification, nomenclature, synthesis, reactions, and spectroscopic analysis with a strong emphasis on reaction mechanisms of organic compounds. Laboratory is coordinated with lecture material and stresses basic techniques such as distillation, recrystallization, extraction, and chromatography, along with organic synthesis using microscale applications. Laboratory also includes an introduction to organic structure determination using a variety of spectral methods, including nuclear magnetic resonance spectroscopy, infrared spectroscopy and mass spectrometry. Three lectures, one discussion and one laboratory period per week. Prerequisites for: CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) with a minimum grade of C or permission of Chair. Permission of the instructor is required to enroll in CHM-211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211) if the prerequisite CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) was not fulfilled at Notre Dame. [4 credits]

CHM-301 Physical Chemistry I

Provides a detailed view and in-depth analysis of the following topics: physicochemical properties of matter in the gaseous, liquid, and solid states; kinetics and thermodynamics of chemical reactions;

behavior of solutions; phase equilibria; electrochemistry; introductory-level quantum mechanics; computational chemistry; atomic and molecular structure; and spectroscopy. The relationship between microscopic structure and macroscopic behavior of matter is explored in laboratory activities and characterized in mathematical terms. Three lectures, one four-hour laboratory each week. Prerequisites: CHM-211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211), MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) and 212 with minimum grade of C. Permission of instructor if prerequisites are not satisfied. [4 credits]

CHM-302 Physical Chemistry II

Provides a detailed view and in-depth analysis of the following topics: physicochemical properties of matter in the gaseous, liquid, and solid states; kinetics and thermodynamics of chemical reactions; behavior of solutions; phase equilibria; electrochemistry; introductory-level quantum mechanics; computational chemistry; atomic and molecular structure; and spectroscopy. The relationship between microscopic structure and macroscopic behavior of matter is explored in laboratory activities and characterized in mathematical terms. Three lectures, one four-hour laboratory each week. Prerequisites: CHM-301 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-301) with minimum grade of C. Permission of instructor if prerequisites are not satisfied. [4 credits]

CHM-303 Analytical Chemistry

Examines principles and practices of quantitative analysis as applied to gravimetric, volumetric, electrochemical and instrumental methods. Emphasizes acid-base, precipitation, redox and complexation chemistry. Statistical methods are used to evaluate the precision and accuracy of data and results. Covers laboratory determinations of representative chemical compounds and use of proper techniques and laboratory practices. Three lectures, one four-hour laboratory each week. Prerequisite: CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110), 111 or equivalent with a minimum of C or permission of instructor. [4 credits]

CHM-305 Instrumental Analysis

Examines principles and practices of analytical chemistry using instrumentation. Includes spectroscopic, chromatographic and electrometric techniques. Topics covered include visible, ultraviolet, infrared and atomic spectroscopies; gas and liquid chromatographies; potentiometric, voltammetric and polarographic methods; nuclear magnetic and mass spectrometries; and computer simulations. Analysis of data and presentation of results in journal article format are important features of the course. (Analysis graphics and spreadsheet software are used for this activity.) Three lectures and one four-hour laboratory each week. Prerequisites: CHM-211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211) and CHM-303 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-303) with a minimum grade of C or permission of instructor. [4 credits]

CHM-325 Survey of Biochemistry

Provides an overview of biochemistry. Includes the study of proteins, enzymatic mechanisms and kinetics, energy production, and basic metabolic pathways. Three lectures and one laboratory period

per week. Prerequisite: CHM-211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211) with minimum grade of C or permission of instructor. [4 credits]

CHM-350 Chemical Literature

Designed to familiarize the student with technical writings, peer-review of publications, the major reference works and journals of chemistry, and to develop skills in effective use of the literature. The course covers effective use of chemistry reference works, databases, abstracts and journals; strategies for online searches; construction and use of bibliographies; proficient use of computer technology and software; analysis and evaluation of chemistry literature. Students use online searching of Chemical Abstracts and other electronic databases via computer and engage in information retrieval using a variety of sources and the Internet. One meeting per week; significant number of out-of-class task-oriented assignments. Co-requisite: 300- or 400-level CHM course or permission of instructor. [1 credit]

CHM-401 Advanced Topics in Chemistry

Explores a variety of topics within the chemical sciences and related interdisciplinary subjects. New/rapidly emerging areas of chemistry are studied and other important topics that emerge in other chemistry courses are explored in more detail and integrated into new areas. Topics may include heterocyclic chemistry, green chemistry, atomic probe microscopy and nanoscience, materials chemistry and nanotechnology, interface analysis and surface science, chemistry and art, molecular modeling, and bioanalytical chemistry. Group activities promote interpretation and synthesis of complex chemical topics. Three meetings and one discussion session per week; laboratory activities are included. Prerequisite: A 300-level CHM lab course with minimum grade of C or permission of instructor. [4 credits]

CHM-407 Chemical Research I

Conducts original laboratory research investigating a topic in the chemical sciences. Includes preliminary literature study, design and execution of experimental work along with presentation of results in written and oral formats. Includes a significant amount of laboratory work each week (six to eight hours), written progress reports and weekly conferences. Junior/senior standing in the major. Admission by permission of faculty member and department chair. Course may not be used for the liberal arts major or for a chemistry minor. [2-4 credits]

CHM-408 Chemical Research II

Conducts original laboratory research investigating a topic in the chemical sciences. Includes preliminary literature study, design and execution of experimental work along with presentation of results in written and oral formats. Includes a significant amount of laboratory work each week (six to eight hours), written progress reports and weekly conferences. Junior/senior standing in the major. Admission by permission of faculty member and department chair. Course may not be used for the liberal arts major or for a chemistry minor. [2-4 credits]

CHM-425 Biochemistry I

Focuses on biomolecules, enzyme kinetics, the biochemistry of energy production, nucleic acids, and a description of basic metabolic pathways and their integration in functioning organisms. Three hours lecture and three hours laboratory each week. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111), CHM-211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211) with minimum grade of C or permission of instructor. [4 credits]

CHM-426 Biochemistry II

Focuses on biomolecules, enzyme kinetics, the biochemistry of energy production, nucleic acids, and a description of basic metabolic pathways and their integration in functioning organisms. Three hours lecture and three hours laboratory each week. Prerequisites: CHM-425 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-425) with minimum grade of C or permission of instructor. [4 credits]

CHM-450 Chemistry Seminar

Includes presentations about internship experiences, laboratory research and literature findings of current topics in chemistry. In this capstone course, students learn to develop professional communication skills through a research paper, peer review, and presentations. Students attend chemistry seminars or professional meetings given at area institutions as part of this course. Evaluations and summaries of talks are required. Students give a formal presentation to faculty, guests and students during the department's Spring Seminar Series. Two meetings per week. Prerequisite: chemistry major; CHM-350 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-350). [2 credits]

CHM-463 Independent Study in Chemistry

Emphasis is on individual study of a specified chemistry topic under the direction of a faculty member. Choice of topic is made in consultation with the student's major advisor and is selected to meet a specific programmatic need. Topics may include medicinal or pharmaceutical chemistry, forensic chemistry or industrial chemistry. Includes significant literature review and study. Laboratory work may be required. Presentation of findings in written and oral formats. Includes significant work each week, written progress reports and weekly conferences. Permission of department chair required. May not be used to satisfy the liberal arts major. [Variable credits (1-4) with typically 3-4]

CST-295 C++ Object-Oriented Programming

Introduces object-oriented programming including objects, classes, inheritance and polymorphism. Includes high-level structures such as pointers and arrays as well as data structures with stacks and queues. Prerequisite: CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). Satisfies the technological competency requirement. [3 credits]



MAT-211 Calculus I

Introduces functions, limits, continuity, differential calculus of polynomial, rational, trigonometric, inverse trigonometric, exponential and logarithmic functions, as well as basic integration techniques. Applications are considered throughout the course with an emphasis on the natural sciences. Weekly laboratory is an integral part of the course. Graphing calculators are used to explore topics covered. Fulfills the general education requirement in Quantitative
Reasoning. Prerequisite: Placement in MAT 211 or successful completion of MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107). [4 credits]

MAT-212 Calculus II

Studies trigonometric functions, integration by parts and tables, improper integrals, functions of two variables, partial derivatives, double integrals, differential equations, geometric and power series, basic convergence tests, Taylor polynomials and series, and Fourier polynomials and series. Applications are considered throughout the course with an emphasis on the life sciences. Weekly laboratory is an integral part of the course. Graphing calculator is used to explore topics covered. Prerequisite: Calculus I or placement into MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [4 credits]

MAT-213 Calculus III

Covers visualization of functions of two variables, contour graphs, vector geometry, partial derivatives, gradient vector, directional derivatives, constrained optimization, double integral in rectangular and polar coordinates, triple integrals in rectangular, cylindrical and spherical coordinates, analysis of parametric
curves and surfaces, vector fields, line integrals and their applications, the Fundamental Theorem of Line Integrals, Green's Theorem, flux integrals, divergence and curl, Stokes' Theorum and the Divergence Theorem. Applications are considered throughout the course. A computer algebra system is used to explore topics covered. Prerequisite: Calculus II or placement into MAT-213 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-213). [4 credits]

MAT-315 Differential Equations

Introduces the solution, applications and theory of ordinary differential equations. Topics include: solutions of differential equations, initial value problems, boundary value problems, Laplace transforms and series solutions. Prerequisite: MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

PHY-101 General Physics I

Examines the fundamental physical laws of nature and their use in understanding natural phenomena. Course provides a knowledge base for study in all areas of science and mathematics. Topics include kinematics, conservation of energy and momentum, dynamics of motion, Newton's laws, rotational mechanics, and waves. Special topics such as the universal law of gravity and fluids will

be covered depending on time and student interest. Development of the concepts of vector algebra and calculus are provided as needed. Three lectures, one three-hour laboratory weekly. Course must be taken with PHY-101L (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101L). Pre-requisites: MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107) or MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). Students intending to continue with PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) should take MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). [4 credits]

PHY-102 General Physics II

Examines the fundamental physical laws of nature and their use in understanding natural phenomena. Continues the development from PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) to topics
including: Thermodynaics, electricity and magnetism, circuits, optics, and the wave nature of light. Special topics such as the universal law of gravitation and A/C circuits will be overed depending on time and student interest. Development of the concepts of vector algebra and calculus are provided as needed. Three lectures, one three-hour laboratory weekly. Course must be taken with PHY-102L (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102L). Prerequisite: MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) or permission of instructor. [4 credits]

PHY-201 Modern Physics

Traces the development of ideas and theories that have shaped physics in the last 100 years. Topics include relativity, quantum theory, atomic and nuclear structure, particle physics and cosmology. Course can be used to fulfill minor in physics. Prerequisites: PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) and MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

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Communication Arts (Major, Minor)

Communication Arts Department

Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Alyssa Brumis, Ph.D., *Chair*
Avery Griffin, M.F.A.
Kendrick Kenney, M.A.
Pamela O'Brien, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus

The Communication Arts Department of the College of Arts, Sciences and Business offers a Major and Minor in Communication Arts to traditional undergraduate students. The Program provides an intensive study of communication between and among persons via the mass media and in cyberspace. The Department mission is to enable students to be knowledgeable creators and astute consumers of messages within our increasingly complex, technological society. The core curriculum aims to develop the student's talents in communicating effectively in print, in visuals, in speech, and with diverse types of media. By offering additional choices through a series of electives, the Program also encourages students to design a specialty within the communication fields, such as advertising, video

and digital media, public relations, journalism, or corporate communication. Through internships, practicums, and advanced courses, the student learns in more depth about the theory and practices of the specific communication area of the student's interest.

Summary

Department facilities include a digital, wireless green screen studio with computer-based nonlinear editing, ENG equipment for video field work, the campus streaming radio station, NDMU radio, and student-run newspaper, ***Columns***. Classes meet frequently in the department's Macintosh laboratory for sessions on writing, digital publishing, digital design work, and multimedia presentations.

Early internships during the sophomore and junior years may be taken to explore various career areas in which students may be interested. All Communication Arts majors must complete an advanced practicum with an approved organization as part of their senior year experience.

Graduates in Communication Arts have been employed in settings as varied as C-SPAN, Animal Planet, SmartCEO magazine, Baltimore Magazine, the Baltimore Office of Promotion and the Arts, and The Johns Hopkins Bayview Medical Center. They serve as advertising media planners, Webmasters, media relations experts, television producers, newspaper editors and sports information directors. An active Advisory Board of department graduates assists the faculty in preparing students for careers. The Department sponsored the first student chapter of the Association for Women in Communications in the State of Maryland.

For first-year student entering the University in the Fall 2021 and beyone:

The General Education proficiency in Oral Communication may be fulfilled by COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106).

For students entering the University prior to the Fall of 2021:

The General Education Requirement in Fine Arts may be fulfilled by any of the following courses: COM-325 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-325), COM-330 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-330), COM-351 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-351)

The General Education Requirement in Oral Communication may be fulfilled by COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106), COM-206 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-206). COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) is designed specifically for non-Communication Arts majors; Communication Arts majors and Minors must complete COM-206 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-206).

The General Education Requirement in Gender Studies may be met by completing COM-330 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-330), COM-382 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-382) or the honors course COM-329 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-329). COM-329 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-329) also fulfills the requirement in history.

The General Education Requirement in Cross-cultural Studies may be met by completing COM-303 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-303). Communication arts Majors and Minors must complete all courses for the Major/Minor (including departmental electives) with a grade of C or higher.

Program of Study

Required Courses for a Major in Communication Arts (Credits)

COM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-101) Introduction to Media Writing (3)

COM-131 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-131) Mass Media and Society (3)

COM-201 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-201) Interpersonal and Team Communication (3)

COM-206 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-206) Speaking in Professional Settings (fulfills general education requirement for majors) (3)

COM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-210) Social Media (3)

COM-310 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-310) Media Literacy (3)

COM-313 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-313) Digital Media Skills (3)

COM-314 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-314) Reporting and Writing News (3)

COM-356 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-356) Communication Research Methods (3)

COM-441 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-441) Mass Communication Law (3)

COM-461 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-461) Communication Arts Practicum (4)

Students also take four additional courses of their choice to prepare for specific careers in communication. Students interested in digital production are strongly encouraged to enroll in DMA-201 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-201) Time-Based Media.

Minor in Communication Arts

COM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-101) Introduction to Media Writing (3)

COM-131 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-131) Mass Media and Society (3)

COM-201 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-201) Interpersonal and Team Communication (3)

Plus three communication arts electives of the student's choice, two of which must be at the 300- or 400-level (9)

N.B. Majors and Minors must complete COM-206 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-206) Speaking in Professional Settings with a grade of C or higher to fulfill the communication proficiency requirement in General Education.

Four-Year Plan

Below is a sample Program of Study for the Communication Arts Major.

Students should select courses with the assistance of a faculty advisor. The plan is intended as a guide only. Many variations are possible.

Fall		Spring	
First Year			
COM-131 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-131) Mass Media and Society	3	COM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-101) Introduction to Media Writing	3
Foreign Language	3	COM Elective	3
Natural Science	4	Mathematics	3
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201) Introduction to Biblical Studies	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	3	History or Social Science	3
[16 credits]		Physical Education	1
		[16 credits]	
Second Year			
COM-201 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-201) Interpersonal and Team Communication	3	COM-206 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-206) Speaking in Professional Settings	3
COM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-210) Social Media	3	COM elective	3
PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201) Introduction to Philosophy	3	History or Social Science	3

English Literature	3	PHL or RST 300/400 level	3
General Education/Course in minor	3	General Education/Course in minor	3
[15 credits]		[15 credits]	

Third Year

COM-314 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-314) Reporting and Writing News	3	COM-356 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-356) Communication Research Methods	3
COM Elective	3	COM-310 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-310) Media Literacy	3
Course in Minor	3	COM-313 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-313) Digital Media Skills	3
Gender Studies/Cross-Cultural	3	Gender Studies/Cross-Cultural	3
PHL or RST 300/400 level	3	Ethics/Values Requirement	3
[15 credits]		[15 credits]	

Fourth Year

COM-441 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-441) Mass Communication Law	3	COM-461 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-461) Practicum	4
COM Elective	3	General Education/Minor/Electives	9-11
General Education/Course in Minor	6	[13-15 credits]	
Internship	3		
[15 credits]			

Computer Information Systems (Major, Minor)

Mathematics, Physics, and Computer Studies Department
Pamela O'Brien, Ph.D., *Dean, School of Arts, Sciences and Business*
Charles Buehrle, Ph.D., *Chair*
Kyongil Yoon, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus

The Computer Information Systems Program of Study provides the tools needed for career options in diverse fields such as applications development, system and/or software support, computer programming, software engineering, information systems management, systems analysis and design, Web page development and maintenance, and database support.

Summary

Computer Information Systems (CIS) is the study of the effective and efficient use of computer technology to advance the missions of organizations. A Major or Minor in Computer Information Systems or a Minor in Computer Science prepares students to effectively implement computer resources for organizations. It requires the ability to learn and utilize constantly evolving computer technology and social media. The curriculum reflects the basic activities of computer information systems: analyzing, planning, programming, developing, implementing and evaluating new uses of computer technology. Courses in Computer Information Systems prepare students for teamwork and leadership and stress the importance of workplace and life skills including written and verbal communication.

Based on recommendation of the Association of Computing Machinery, the goals of the CIS program are:

1. Foster a broad business and real world perspective in technology;
2. Develop strong analytical and critical thinking skills;
3. Enhance interpersonal communication and team skills, and encourage ethical principles;
4. Model creative information technology solutions that enhance organizational performance.

The Computer Studies Program of Study in the School of Arts, Sciences, and Business offers a Major and Minor in computer information systems to students in the traditional undergraduate program. The Computer Information Systems Minor can be paired with any Major and is particularly useful with a Major in Business. In addition, a Minor in Computer Science is offered in the traditional undergraduate program.

A minimum grade of C is required in all computer information systems courses for Computer Information Systems Majors and Minors, and in all Computer Science courses.

Required Courses for a Major in Computer Information Systems (Credits)

CST-141 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-141) Fundamentals of Information Systems (3)

CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Programming Concepts (3)

CST-261 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-261) Web Page Design (3)

CST-295 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-295) C++ Programming (3)

CST-321 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-321) Java Programming (3)

CST-385 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-385) Systems Analysis (3)

CST-421 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-421) Database Concepts (3)

CST-489 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-489) Computer Studies Seminar (3)

ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) or ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) (3)

BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) or 203 (3)

MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics (3)

Two electives from:

CST-355 Project Management (3)

CST-356 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-356) Internet Communication (3)

CST-411 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-411) Topics in Computer Information Systems (3)

CST-481 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-481) Telecom & Networking (3)

Required Courses for a Minor in Computer Information Systems

CST-141 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-141) Fundamentals of Information Systems (3)

CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Programming Concepts (3)

CST-261 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-261) Web Page Design (3)

CST-295 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-295) C++ Programming (3)

CST-385 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-385) Systems Analysis (3)

CST-421 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-421) Database Concepts or CST-489 Computer Studies Seminar (3)

Four-Year Plan

Below is a sample Program of Study for the full-time Computer Information Systems Major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
CST-141 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-141) Fundamentals of Information Systems	3	CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Programming Concepts	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives in Education	3	ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Macroeconomics or ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Microeconomics	3
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	Literature	3

Foreign Language	3	General Education/Electives	6
General Education/Electives	3	Physical Education	1
[15 credits]		[16 credits]	
Second year			
CST-295 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-295) C++	3	CST elective	3
MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics	3	COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Communication	3
History	3	Natural Science	4
BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Management or BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Marketing	3	RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201) Introduction to Biblical Studies	3
General Education/Electives	3	CST-321 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-321) Java Programming	3
[15 credits]		[16 credits]	
Third year			
CST-261 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-261) Web Page Design	3	CST-385 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-385) System Analysis	3
Philosophy (200-level)	3	CST-elective	3
General Education/Electives	9	Religious Studies (300/400-level)	3
[15 credits]		General Education/Electives	6
Fourth year		[15 credits]	

CST-421 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-421) Database Concepts	3	CST-489 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-489) Computer Studies Seminar	3
Philosophy (300/400-level)	3	CST elective	3
Fine Arts	3	General Education/Electives	9
General Education/Electives	6	[15 credits]	
[15 credits]			

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Computer Science (Minor)

Mathematics, Physics, and Computer Studies Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Charles Buehrle, Ph.D., *Chair*
Kyongil Yoon, Ph.D.

Degrees offered

Minor

Campuses

Main Campus

The Computer Science Minor can be paired with any Major and is frequently taken in combination with a Mathematics, Engineering, or Physics Major. A Minor in Computer Science is the study of algorithmic approaches to problem-solving. Computer Science enhances technical skills for scientific applications with mathematical and analytical skills. A Major and Minor in Computer Information Systems or a Minor in Computer Science prepares students to effectively implement computer resources for organizations.

Required Courses for a Minor in Computer Science

CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Programming Concepts (3)

CST-261 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-261) Web Page Design (3)

CST-295 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-295) C++ Programming (3)

CST-321 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-321) Java Programming (3)

MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) Calculus I (4)

MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212) Calculus II (4) or MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) Discrete Mathematics (3)

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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Criminology and Social Deviance (Major, Minor)

Criminology Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Ariel Ludwig, *Chair*

Degrees offered

Major
Minor

Campuses

Main Campus

The Criminology Department in the School of Arts, Sciences, and Business offers a Major in Criminology and Social Deviance a Minor in Criminology and a Minor in Sociology to Traditional Undergraduate students. The Program provides students an opportunity to pursue studies leading to graduate school or a career in the administration of justice. The Program is structured around the study of both crime and deviance to ground students with an understanding of criminal behavior and the official reactions to such behavior. The curriculum draws on social science disciplines including Sociology and Psychology as well as applied field experiences to analyze criminal behavior. Criminology as a discipline examines evolution of criminological theory and societal factors at the micro and macro levels focused on the etiology crime and

criminal behavior. Most courses include content related to criminal justice themes. Prepares students to pursue a wide range of career paths in law, corrections, policing, victim advocacy, child welfare and juvenile justice.

Criminology, as a discipline, is grounded in the liberal arts tradition, as an interdisciplinary field of study drawing on subjects such as history, psychology, sociology, political science, and biology. Students develop critical thinking and analytical skills applied to a range of issues related to crime and society. Students are challenged to critically evaluate criminal justice institutions through the lens of social justice and to understand the impact they have on the lives of women, the poor and minorities, particularly in Baltimore City. The Sociology Minor supplements this mission by providing students with the intellectual tools to examine the roles of various social institutions.

Criminology, as a discipline, is concerned with uncovering the root causes and consequences of crime. A Criminal Justice curriculum studies the three main elements of the justice system: policing, courts, and corrections. Criminology provides a theoretical foundation to support the examination of patterns concerning deviant and criminal behavior, offenders, and victims. Throughout the criminology curriculum, students learn about the justice system but from a sociological perspective with a critical focus on the issues in how to seek justice and with commitment to improve the justice system.

Criminology and Social Deviance Curriculum Goals and Learning Objectives

Goal 1: Develop a norm of social responsibility professionally and personally

1.1 Students will develop values.

1.2 Students will articulate the utility of the criminological perspective as one of several perspectives of social reality as it relates to the operation of the criminal justice system.

1.3 Students will explain the importance of reducing the negative effects of social inequality as it relates to the criminal justice system

Goal 2: Critically analyze the nature and operations of the criminal justice system and how this relates to social institutions, structures, and culture

2.1 Demonstrate skills in recall, analysis, application, synthesis, and evaluation.

2.2 Identify underlying assumptions in theoretical orientations or arguments

2.3 Identify underlying assumptions in particular methodological approaches to an issue.

2.4 Demonstrate knowledge of positivist approaches to the study of crime, including psychological, biological, and rational choice.

2.5 Demonstrate knowledge of constructionist approaches to the study of crime, including functionalism, conflict theory, feminist theory, and symbolic interactionism.



2.6 Demonstrate knowledge of the causes of crime and the methods and tools used to study, prevent and control crime.

2.7 Describe the institutions and actors involved in the apprehension, prosecution, punishment, and reintegration of those accused of crime.

2.8 Identity the legal, economic and political frameworks underlying the criminal justice system other social institutions, structures, and culture.

Goal 3: Evaluate and produce ethical research designs

3.1 Identify basic methodological approaches and describe the general role of methods in building criminological knowledge.

3.2 Compare and contrast the basic methodological approaches for gathering data.

3.3 Design a research study in an area of choice and explain why various decisions were made.

3.4 Identify and apply the principles of ethical criminological practice.

3.5 Use technical skills in retrieving information from the internet.

3.6 Use computers appropriately for data analysis.

Goal 4: Integrate academic learning with field experience

4.1 Apply theoretical paradigms, utilize criminological knowledge in field experience.

4.2 Practice good ethics in field experience.

Goal 5: Demonstrate competent scientific written and oral communication using APA style

5.1 Write in appropriate social science style and accurately convey data findings.

5.2 Demonstrate the ability to express ideas in a clear and coherent manner in oral presentations.

5.3 Students will be able to write in a competent and effective manner to communicate and apply concepts from criminology.

Student majoring in Criminology participate in a practicum or field experience with a criminal justice or social service agency that gives the student an opportunity to integrate theory, science and practice of criminology. The field experience is a capstone course that includes a seminar course directed by a faculty member designed to help students integrate the field experience with their classroom learning, as well as to prepare students for entry into graduate school or successful careers upon graduation. In addition to the practicum course, students complete a senior seminar on an advanced topic in the discipline or complete an independent research project. Students who choose the independent study option are mentored by a faculty to complete an original research project which involves original data collection, analysis, writing of a research report and delivering a presentation.



The Criminology and Social Deviance Program also offers minors in Criminology and Sociology. The Criminology Minor provides students a basic understanding of criminal behavior and the criminal justice response in the context of today's society. Graduates will be prepared to succeed in an occupation involving interaction with people, including policymaking, community action, social research and social services. Many criminology majors choose to complete a minor in forensic psychology.

Students with a 3.2 grade point average overall and a 3.2 grade point average in their major courses may become active members of *Alpha Phi Sigma*, the national honor society in criminal justice.

Criminology courses that fulfill the General Education Requirement in Gender Studies: SOC-209 (http://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-209), SOC-215 (http://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-215), SOC-271 (http://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-271), CRM-315 (http://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-315), CRM-325 (http://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-325).

All courses credited toward the Criminology Major or Minor must be completed with a grade of C or higher.

Technical Standards

A student must have abilities and skills in five areas for CRM 461: 1) observation; 2) communication; 3) motor; 4) intellectual, conceptual, integrative, and quantitative; and 5) behavioral and social. Technological compensation can be made for some limitation in certain of these areas, but a student should be able to perform in a reasonably independent manner.

1. **Observation:** The student must be able to accurately make observations at a distance and close at hand. Observation necessitates the functional use of the sense of vision and somatic sensation and is enhanced by the functional use of all the other senses.
2. **Communication:** The student must be able to communicate effectively, efficiently and sensitively in both oral and written form and be able to perceive nonverbal communication.
3. **Motor:** Student must be able to coordinate both gross and fine muscular movements, maintain equilibrium and have functional use of the senses of touch and vision. The student must possess sufficient postural control, neuromuscular control and eye-to-hand coordination to perform profession-specific skills and tasks.
4. **Intellectual, Conceptual, Integrative and Quantitative Abilities:** The student must be able to problem-solve, calculate, reason, analyze, record and synthesize large amounts of information in a timely manner. The student must be able to comprehend three-dimensional relationships and understand spatial relationships.
5. **Behavioral and Social Attributes:** The student must possess the emotional health required for full utilization of his/her intellectual abilities, the exercise of good judgment and the consistent, prompt completion of all responsibilities and the development of mature, sensitive and effective relationships. Students must be able to tolerate physically, mentally and emotionally taxing workloads and to function effectively under stress. The student must be able to adapt to changing environments, to display flexibility, and to learn to function in the face of uncertainties. Compassion, integrity, concern for others,

effective interpersonal skills, willingness and ability to function as an effective team player, interest and motivation to learn are all personal qualities required during the educational process.

Students who may not meet the technical standards are encouraged to contact the NDMU Director of Accessibility and Health Promotion to discuss and identify what accommodations, if any, would need to be made in order that the student might be able to meet the standards.

Programs of Study

Required Courses for a Major in Criminology and Social Deviance

CRM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-101) Introduction to Criminology (3)
CRM-203 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-203) Theories of Crime and Social Deviance (3)
CRM-360 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-360) Research Methods and Crime Analysis (4)
CRM-461 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-461) Practicum (4) OR SOC-463 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-463) Independent Research (3)
PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) Research Methods (4)
SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101) Introductory Sociology (3)
SOC-209 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-209) Race, Class and Gender (3)

One course from the following:

SOC-411 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-411) Advanced Topics (3)
SOC-463 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-463) Independent Research (3)

Six additional criminology (CRM) courses or sociology (SOC) courses with at least three at the 300- or 400- level

Required Courses for a Minor in Criminology

CRM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-101) Introduction to Criminology (3)
CRM-203 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-203) Theories of Crime and Social Deviance (3)
CRM-360 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-360) Research Methods and Crime Analysis (4)
SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101) Introductory Sociology (3)

Two additional courses with at least one at the 300 or 400 level

CRM-461 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-461) is NOT open to criminology minors.

SOC-411 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-411) is NOT open to criminology minors.

SOC-463 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-463) is NOT open to criminology minors.

Four-Year Plan

Below is a sample Program of Study for full-time Criminology and Social Deviance majors. Students should consult with the Program Coordinator for their academic plans as many courses are offered on alternating years.

FALL		SPRING	
First year			
ENG 101 College Writing	4	SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101) Introduction to Sociology	3
CRM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-101) Introduction to Criminology	3	MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives on Education	3	General Education/Electives	9
General Education/Electives	6	[15 credits]	
[16 credits]			
Second year			
CRM-203 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-203) Theories of Crime	3	CRM-360 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-360) Research Methods + Crime Analysis	4
SOC-209 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-209) Race, Class, Gender	3	Criminology Elective	3

PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) Research Methods	4	General Education/Electives	9
General Education/Elective	6	[16 credits]	
[16 credits]			
Third year			
Criminology electives	6	Criminology electives	6
General Education/Electives	9	General Education/Electives	9
[15 credits]		[15 credits]	
Fourth year			
CRM-461 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-461) Practicum	4	Departmental Senior Elective	3
General Education/Electives	6	General Education/Electives	9
Criminology elective	3	[12 credits]	
[13 credits]			

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410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0,0&z=15)

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Careers at NDM (http://www.ndm.edu/about/human-resources/)

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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Digital Media Arts (Major, Minor)

Communication Arts Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Alyssa Brumis, Ph.D., *Chair*
Avery Griffin, M.F.A.
Kendrick Kenney, M.A.
Pamela O'Brien, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus

The Digital Media Arts Program of Study in the College of Arts, Sciences, and Business offers a Major and Minor to traditional undergraduate students. The Program provides a solid foundation in technology, a rich creative background in the arts and the communication skills necessary to convey ideas in the digital realm.

Summary

The curriculum of the Major is interdisciplinary, including courses in Art, Computer Studies, and Communication Arts. As the arts, the world of media and the business environment are increasingly dependent on digital communication competencies - the Digital Media Arts Program of Study will prepare students for positions with these employers.

The graduate in Digital Media Arts will be able to: create effective visual communications strategies that could assist individuals and businesses, use technology to address visual communication challenges, analyze the historical impact design and visual communications have had on our culture, evaluate the moral and ethical issues related to

visual media, art, and technology, apply formal design principles to solve visual communication problems, and work effectively as an individual and as a member of a creative team.

Students are strongly encouraged to complete PHL-320 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-320) Aesthetics or PHL-334 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-334) Business Ethics to complement their Program of Study and meet General Education Requirements.

Students will complete much of their work in the department's digital media lab, equipped with Macintosh computers and Adobe Creative Cloud. The campus video, art and photography studios also support instruction in this Program.

As the culminating experience in the Major, students complete a practicum in the form of an intensive, advanced internship. During the spring of their senior year, they are placed in an entry-level position in an area business in order to refine their professional competencies as they prepare to begin their careers.

Students must earn a minimum GPA of 3.0 in all Major courses taken to fulfill the requirements of the Digital Media Arts Major.

Required Courses for a Major in Digital Media Arts (33–42 Credits)

Visual Core (18 credits)

DMA-100 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-100) Intro to Design Systems (3)
DMA-103 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-103) Fundamentals of Design (3)
DMA-201 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-201) Time-Based Media (3)
DMA-202 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-202) Design Theory I (3)
ART-102 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-102) Color and Design (3)
ART-162 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-162) Digital Photography (3)

Media Studies (6 credits)

COM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-210) Social Media (3)
COM-310 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-310) Media Literacy (3)

Web and Animation (6 credits)

CST-130 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-130) Intro to Computer Applications I (3)
DMA-360 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-360) Animation and Motion Graphics (3)

Digital Media Practicum (3 credits)

DMA-461 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-461) Digital Media Practicum (3)

Approved Electives

ART-321 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-321) Life Drawing (3)
ART-419 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-419) Digital Photography II (3)
COM-351 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-351) Art of the Film (3)

COM-401 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-401) Writing for the Web (3)
CST-295 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-295) C++: Object-Oriented Programming (3)
CST-321 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-321) JAVA Programming (3)
DMA-351 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-351) Design Theory II (3)
DMA-375 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-375) Typography (3)
DMA-411 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-411) Topics in Digital Media (3)

Emphasis in Graphic Design

Students who wish to emphasize in graphic design within the Digital Media Arts Major complete the following three courses in place of the electives above.

ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) Drawing I (3)
CST-261 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-261) Web Page Design (3)
DMA-351 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-351) Design Theory II (3)

Minor in Digital Media Arts

Students may declare a Minor in Digital Media Arts by completing 18 credits as follows:

DMA-100 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-100) Introduction to Design Systems (3)
DMA-103 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-103) Fundamentals of Design (3)
DMA-202 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-202) Design Theory I (3)

Three additional courses (9 credits), one in Art, one in Computer Studies and one in Communication Arts, chosen from the approved list of program courses in consultation with the coordinator.

Four-Year Plan

Below is a sample Program of Study for the Digital Media Arts Major. Students should select courses with the assistance of a faculty advisor. This listing is intended as guide only.

First year			
NDMU-100 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	3	Foreign Language	3
ENG-101 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=ENG#ENG-101)	3	Literature	3
DMA-100 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-100) Intro to Design Sytems	3	COM-101 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=COM#COM-101) Oral Communication	3

DMA-103 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-103) Fundamentals of Design	3	ART-102 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=ART#ART-102) Color and Design	3
ART-101 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=ART#ART-101) Drawing 1	3	History	3
[15 credits]		[15 credits]	

Second year

Foreign Language	3	PHL-200 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PHL#PHL-200)-level	3
MAT-110 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=MAT#MAT-110) Discrete Mathematics	3	Social Science	3
RST-201 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=RST#RST-201) Intro to Biblical Studies	3	COM-310 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=COM#COM-310) Media Literacy	3
ART-162 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=ART#ART-162) Digital Photography	3	CST-130 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=CST#CST-260) Intro to Comp Applications	3
DMA-201 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=DMA#DMA-201) Time-Based Media	3	DMA-202 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=DMA#DMA-253) Design Theory I	3
[15 credits]		[15 credits]	

Third year

PHL-300 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PHL#PHL-300)/400-level	3	Religious Studies 300/400	3
Natural Science	4	General Electives/Minor	3
Major elective	3	DMA-375 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=DMA#DMA-375) Typography	3

COM-210 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=COM#COM-210) Social Media	3	Major Elective	3
CST-261 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=CST#CST-261) Web Page Design	3	DMA-360 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=DMA#DMA-360) Motion Graphics	3
[16 credits]		[15 credits]	
Fourth year			
Physical Education	1	4 General Electives/Minor	9
4 General Electives/Minor	12	DMA-461 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=DMA#DMA-461) Practicum	3
[13 credits]		[12 credits]	

Courses

ART-101 Drawing I

Introduces the fundamentals of free-hand drawing and explores a variety of materials, techniques and subject matter such as still life, landscape and the human form as students identify individual areas of interest and artistic expression. Informal slide presentations and class critiques will expose students to the diversity of drawing and its manifestations in contemporary art and culture. Fulfills the general education requirement in fine arts and Artistic Expression. [3 credits]

ART-102 Color and Design

Introduces the fundamental elements and principles of color and design as a communicative tool. The course is designed for students with limited studio background and explores a wide variety of mediums and techniques as students develop technical virtuosity and personal aesthetic. The concepts and design strategies explored in this course can be applied in related areas of computer design, interior design and fashion design. Fulfills the general education requirement in Fine Arts and Artistic Expression. [3 credits]

ART-162 Digital Photography I

Introduces the fundamentals of digital imaging using Adobe Creative Cloud with an emphasis on camera vision. Through assigned readings and classroom discussions, students also will gain a critical perspective of the impact of digital imaging on photographic practice. Fulfills general education requirement in fine arts and artistic expression. [3 credits]

ART-321 Life Drawing I

Provides individualized instruction in the study of the nude with special emphasis on observation, movement, proportion, figural composition and pictorial space. All sessions will include short and sustained poses. Prerequisite: ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) or permission of instructor. [3 credits]

ART-419 Digital Photography II

Deepens experience in digital photography and investigates the relationships between communication through photographs and digital images and other electronic media such as the digital press, World Wide Web and the virtual environment of the video game. Students enhance their skills and personal aesthetic using Adobe Photoshop and choose projects from still photography, graphic design or motion graphics. Prerequisite: ART-162 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-162). [3 credits]

COM-210 Social Media

Engages students in a theoretical and critical look at the incursion of social media (such as blogs, Facebook, Twitter) into human communication processes and considers the implications of use of these media for the future of communication. [3 credits]

COM-310 Media Literacy

Explores visual and audio literacy through the balance of critical consumption and production skills. Employs a series of units in which students decode complex visual and audio images and then move to composition in both visual and auditory production. Creation of a Web-based portfolio is the culminating unit. [3 credits]

COM-401 Writing for the Web

Explores techniques for making the transition from writing for traditional mass media to writing for online media. Teaches students to use online resources and produce online messages and "articles" of various types. Provides opportunities to develop materials for the professional portfolio. [3 credits]

CST-130 Introduction to Computer Applications I Applications

Emphasizes problem-solving skills for all disciplines, such as creating formatted documents, using spreadsheets to analyze information quantitatively, editing image visual computer presentations to accompany reports. In addition, course examines up-to-date computer security and privacy issues. Course focuses on computer competencies for the non-major. [3 credits]

CST-261 Web Page Design

Focuses on coding and design of Web pages using HTML and JavaScript to create high-level Internet content. Includes legal and ethical issues as well as human-computer interaction design concepts. Students demonstrate the progression of their skills through the successful completion of a number of practical projects. Satisfies the technological competency requirement. [3 credits]

CST-295 C++ Object-Oriented Programming

Introduces object-oriented programming including objects, classes, inheritance and polymorphism. Includes high-level structures such as pointers and arrays as well as data structures with stacks and queues. Prerequisite:

CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). Satisfies the technological competency requirement. [3 credits]

CST-321 Java Programming

Introduces object-oriented programming using objects and classes to write Java applications and Web applets for simple gaming. Includes graphical features of Java such as objects, images, event handling, color control and layout control. Prerequisite: CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). [3 credits]

DMA-100 Introduction to Design Systems

Explore the depth of Adobe's industry-leading software suite in this intensive and hands-on course. Designed to provide students with a comprehensive understanding and practical expertise, Adobe Creative Cloud offers a robust set of creative tools widely used in professional fields [3 credits]

DMA-103 Fundamentals of Design

Offers an introduction to the theories and practices of graphic design. Provides a historical analysis of visual communication with emphasis on the development of the profession of graphic design and the relationship of commerce and technology to the history of graphic design. Co-requisite: DMA-100 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-100). [3 credits]

DMA-201 Time-Based Media

Provides experience in the fundamentals of time-based design. Students will create projects that deal with narrative elements, composition, motion, variables and type. Storyboard project planning and software animation will be covered. [3 credits]

DMA-202 Design Theory I

Explores graphic communication through understanding the elements and principles of design, as well as the design process, from idea development through final execution. Emphasizes two-dimensional design, color and content creation, while employing the design process of research, sketching and experimentation. Prerequisites: DMA-100 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-100), DMA-103 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-103). [3 credits]

DMA-351 Design Theory II

Advances computerized graphic design skills with an emphasis on Adobe InDesign. Students learn software-specific skills needed for full color graphic arts and pre-press production. Clear and precise visual communication, problem solving and presentation are stressed. Focus on portfolio development. Formerly ART-351 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-351). [3 credits]

DMA-360 Animation and Motion Graphics

Engages students in a more intensive investigation of animation through the analysis of motion and transformation with photograph, video, illustration, and animation in traditional and digital media, with a focus on Adobe After Effects. Students learn how images and type are choreographed to produce attractive and

dynamic motion graphics. Prerequisite: DMA-201 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-201). [3 credits]

DMA-375 Typography

Investigates problem-solving strategies concerned with the selection, organization and presentation of text. Students will enhance digital typesetting skills to effectively present information in print and motion applications. Topics include origins of the alphabet, typeface classifications, abstract communication with letterforms and design with text. Formerly ART-375 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-375). Prerequisite: DMA-101 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-101) or permission. [3 credits]

DMA-401 Computer Animation

Engages students in an intensive investigation of animation through the analysis of motion in traditional and digital media. Students apply skills to various anatomical problems to find modeling and rigging solutions for character motion. Major emphasis is placed on proper identification of controls for the end user. [3 credits]

DMA-411 Topics in Digital Media

Surveys current topics of interest within the field of graphic design, video, animation, web and social media. Projects in typography, book design, motion, digital imaging and a variety of other methods will be addressed in different sessions to complete the course portfolio. May be taken more than once on different topics. Prerequisite: will differ depending on topic. [3 credits]

DMA-461 Digital Media Practicum

Structures a professional-level internship that places students in an entry-level position at a high-tech company in the Greater Baltimore area. Students will work under close supervision of faculty and the agency sponsor with the intention of gaining in-depth experience in the field. [3 credits]

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Economics (Minor)

Business and Economics Department
Pamela O'Brien, Ph.D., *Dean, School of Arts, Sciences and Business*
Leslie Korb, PhD., *Chair*
Ademar Bechtold, Ph.D.
Charles E. Yoe, Ph.D, *Economics Coordinator*

Degrees offered

Minor

Campuses

Main Campus

The Business and Economics Department of the College of Arts, Sciences, and Business offers a Minor in Economics to the traditional undergraduate students. Economics is the study of the way individuals and societies choose to use scarce resources in both the private and public sectors. Economic concepts are applied to nearly every aspect of human activity from ensuring food safety; supporting transportation systems and health care services; shaping international trade

policy, government monetary and fiscal policy; and evaluating political, social, environmental and other issues. As an indication of the importance of economics, it is the only social science for which a Nobel Prize is awarded.

Economists use their knowledge and skills to advise business firms, banks, and other financial institutions, government agencies, international organizations, environmental organizations, special interest groups, and others. The overarching goal of the Economics Program of Study is to enable students to "think like an economist." Thinking like an economist requires problem-solving skills and creative thinking.

Economics graduates from Notre Dame have used their education and internship experiences as avenues to careers in local, state and federal government agencies, as well as in the private sector. Many also have used their classroom and practical experiences as stepping-stones to advanced degrees in economics, law, business and a variety of other fields. Our graduates are employed by organizations such as Motorola, Inc., Legg Mason, and the Federal Reserve Bank. Several own their own companies. Students have earned graduate degrees at institutions such as Johns Hopkins University, Virginia Polytechnic University, Georgetown University, the University of New York, and the University of Brussels, Belgium.

The following Economics courses satisfy the General Education Requirement in Social Sciences: ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211), ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) and ECO-220 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-220).

The economics minor is designed to provide each student with a program that best complements their major and supports their career and life goals. It consists of three required courses and three courses to be chosen for elective and independent studies approved by the minor advisor.

Economics Minors must have a minimum grade of C in all courses to satisfy the Minor.

Required Courses for the Minor in Economics (9 credits)

ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Introduction to Macroeconomics (3)

ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Introduction to Microeconomics (3)

ECO-402 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-402) Money and Banking (3)

Elective Courses for the Minor in Economics (9 credits)

Three elective courses (9 credits) chosen from electives and independent studies courses approved by the minor advisor.

Notre Dame of Maryland University
(http://www.ndm.edu/)
4701 North Charles Street
Baltimore, Maryland 21210

410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0&z=15)

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Careers at NDM
(http://www.ndm.edu/about/human-resources/)

Contact Us (mailto:webmaster@ndm.edu)

Follow Us on Twitter
(https://twitter.com/NotreDameofMD)

Like Us on Facebook
(http://www.facebook.com/NotreDameOfMaryland

Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Engineering (Dual Degree)

Math, Computer Studies, and Physics Department
Pamela O'Brien, Ph.D., *Dean, School of Arts, Sciences and Business*
Brian Christy, Ph.D., *Program Coordinator*

Degrees offered

Dual-Degree

Campuses

Main Campus

The School of Arts, Sciences, and Business has established a dual-degree program enabling qualified students in the traditional undergraduate program to earn both a Bachelor of Arts degree from Notre Dame and a Bachelor of Science degree in engineering from one of the following schools:

- G.W.C. Whiting School of Engineering at The Johns Hopkins University
- McKelvey School of Engineering at Washinton University of St. Louis
- Fu Foundation School of Engineering and Applied Science at Columbia University

Summary

This integrated dual-degree program will enable the student to broaden their knowledge of the liberal arts and sciences and to develop their professional experience in a selected field of engineering.

Graduates of the Program have positions with organizations such as NASA/Goddard Space Flight Center, NASA/Marshall Space Flight Center, Lockheed Martin, U.S. Naval Research Laboratories, CSX Corporation, Whiting-Turner Contracting Company, the U.S. Nuclear Regulatory Commission, Baltimore Gas and Electric Corp., U.S. Army Aberdeen Test Center, Thornton Tomasetti, and the Peace Corps.

Students in the Program will be admitted initially by Notre Dame where they will complete General Education Requirements and advanced work in a Major for the Bachelor of Arts degree, such as Chemistry, Computer Information Systems, Mathematics or Physics. Each student will then apply to Johns Hopkins, Washington University of St. Louis or Columbia University; admission is competitive and is not guaranteed. If admitted, the student will spend an additional two years completing the requirements for a Bachelor of Science degree in one of the following disciplines:

- **Biomedical Engineering** encompasses the application of engineering principles to medical and biological problems (available at Columbia University and Washinton University of St. Louis).
- **Chemical Engineering** relies upon the laws of chemistry, physics and mathematics to change the constitution of substances via chemical processes. Chemical engineers develop processes, design equipment, operate plants and guide applications, and work in the chemical, petroleum, metallurgy, plastics and pharmaceutical industries (The Johns Hopkins University, Washington University of St. Louis, or Columbia University).
- **Civil Engineering** reflects the breadth of the engineering disciplines in the planning and designing of the nation's buildings, bridges, transportation systems and environmental programs (The Johns Hopkins University, or Columbia University).
- **Electrical and Computer Engineering** includes the fields of communications, control systems, electronics and digital systems (The Johns Hopkins University, Washington University of St. Louis, or Columbia University).
- **Materials Science and Engineering** is concerned with the characterization and manipulation of structure, properties, performance, processing and production of all materials (The Johns Hopkins University or Columbia University).
- **Mechanical Engineering** deals with the concerns of energy through useful mechanical devices (The Johns Hopkins University, Washington University of St. Louis, or Columbia University).

When the Bachelor of Science degree is awarded from the engineering school, the Bachelor of Arts degree from Notre Dame also will be granted.

Students with an interest in disciplines not represented in the above-itemized list or are interested in pursing the Field of Engineering at another institution should contact the Program Coordinator to determine the most appropriate instructional path to meet your educational interests.

Students with advanced standing, AP, CLEP, or articulated transfer credits are encouraged to contact the Program Coordinator to determine the most appropriate instructional path to meet your educational interests. Advanced or highly motivated students often complete NDMU requirements in less than 4 years. See below for a sample Program of Study.

Students who wish to pursue a dual degree will make preliminary application during their first year of study at Notre Dame. Because of its proximity to Notre Dame's campus, a student may complete select courses at Hopkins during her sophomore and junior years.

Transfer students planning to pursue the dual degree in Engineering should clearly indicate their desired participation on the Application.

Questions regarding eligibility for the Program should be directed to the Program Coordinator.

Programs of Study

Dual-Degree Programs in Physics and Civil, Computer, Electrical, or Mechanical Engineering

Dual-degree programs available in Physics and one of the following fields of engineering: Civil, Computer, Electrical, or Mechanical.

A student enrolled in this Program generally follows the Major requirements for Physics at Notre Dame through the junior year.

Required Courses

PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) and 102 General Physics I, II (8)
PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) Modern Physics (3)
PHY-316L (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-316L) Classical Mechanics (3)
MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211), 212, 213 Calculus I, II, III (11)
MAT-214 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-214) Calculus of Vector Fields (1)
MAT-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-243) Linear Algebra (3)
MAT-315 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-315) Differential Equations (3)
CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Programming Concepts (3) or CST-295 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-295) C++ Programming (3)
CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110), 111 General Chemistry I, II (8)
PHY-314 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-314) Quantum Physics I (3)
PHY-315 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-315) Electricity and Magnetism I (3)
ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Principles of Microeconomics (3)
PHY 463 Investigations in Physics (1-4)

Credit is earned for PHY 463 by completing one of the following:

- Internship

- Teaching Apprenticeship
- Research Experience

At least two other courses in either Physics (300+ *level*), Mathematics (300+ *level*), Computer Information Systems (200+ *level*), or Engineering chosen (200+ *level*) in consultation with the program advisor (7 credit total)

Students interested in specific engineering fields should consult with the coordinator for additional course suggestions specific to their engineering field.

Dual-Degree Program in Chemistry and in Chemical or Materials Science and Engineering

A student enrolled in this Program follows the Major requirements for the Chemistry degree at Notre Dame through the junior year. Consult the department coordinator for Chemistry Program of Study requirements. Students should indicate their interest to the Department Coordinator and declare a Major in Chemistry. Depending on a student's interest and background, a dual degree in physics can also be considered. Students should discuss with the Program Advisor for more information.

Please take note of cycling of advanced courses and consult the engineering institution for additional requirements.

Required Courses

BIO-111 Fundamentals of Biology(4)
BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) Human Anatomy and Physiology I *or* BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230) unity and Diversity(4)
CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110), 111 General Chemistry I and II (8)
CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210), 211 Organic Chemistry I and II (8)
CHM-301 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-301), 302 Physical Chemistry I and II (8)
CHM-303 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-303) Analytical Chemistry (4)
PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101), 102 General Physics I and II (8)
PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) Modern Physics (3)
MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211), 212 Calculus I and II (8)
MAT-315 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-315) Differential Equations (3)
ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Principles of Microeconomics (3)

Dual-Degree Program in Chemistry and in Biomedical Engineering

A student enrolled in this Program follows a modified version of the Major requirements for Chemistry at Notre Dame. Students should indicate their interest to the Department Coordinator and declare a Major in Chemistry. Depending on a student's interest and background a dual degree in Physics can also be considered. Students should discuss this option with the program advisor for more information.

Please take note of cycling of advanced courses and consult the engineering institution for additional requirements.

Required Courses

BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology
BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) Human Anatomy and Physiology I or BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230) Unity and Diversity
CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110), 111 General Chemistry I and II (8)
CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210), 211 Organic Chemistry I and II (8)
CHM-301 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-301), 302 Physical Chemistry I and II (8)
PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101), 102 General Physics I and II (8)
PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) Modern Physics (3)
MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211), 212 and 213 Calculus I, II and III (11)
MAT-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-243) Linear Algebra (3)
MAT-315 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-315) Differential Equations (3)
CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Programming Concepts (3) or CST-295 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-295) C++ Programming (3)
ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Principles of Microeconomics (3)

Five-Year Plan

Below is a sample Program of Study for the dual-degree Physics/Engineering Major. Students should select courses with the assistance of a faculty advisor.

See course descriptions for a list of required courses and description of course and program options.

Fall	Spring
First year	

PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) General Physics I + Lab	4	PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) General Physics II + Lab	4
MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) Calculus I + Lab	4	MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212) Calculus II + Lab	4
General Education/Program Elective	3	MAT-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-243) Linear Algebra	3
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	CST 171 Programming Concepts	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives in Education	4	General Education/Program Elective	3
[18 credits]		[17 credits]	

Second year

PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) Modern Physics	3	PH 316L Classical Mechanics*	3
General Education/Program Elective	3	MAT-315 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-315) Differential Equations or elective	3
MAT-213 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-213) Calculus III	3	MAT-214 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-214) Calculus of Vector Fields	1
CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) General Chemistry I	4	General Education	9
ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Principles of Microeconomics	3	[18 credits]	
[17 credits]			

Third year

PH 314 Quantum Mechanics I*	3	Program Elective*	3
PH 315 Electricity and Magnetism	3	General Chemistry II	3
General Education/Program Electives	12	General Education/Program Elective	9
[18 credits]		Inv in Physics	1 - 3
		[17 - 19 credits]	

Fourth and Fifth Year: Engineering School

Courses to be determined by program and school chosen

NOTES:
Students interested in specific engineering fields should consult with their Program Coordinator for course suggestions when choosing Physics, Mathematics, Computer Science or Engineering courses.

**Courses with a designation of "L" are taught at Loyola. Notre Dame students take the courses through the Cooperative Program. For more information, contact the Program Coordinator.*

Compressed semester courses (Winterim, Fall 1, Fall 2, Spring 1, Spring 2, and Maymester) should be reserved for General Education Requirements. Upper Division Courses should be taken during a standard 16-week term.

See individual Program sections for course descriptions.

Courses

CHM-111 General Chemistry II

Focuses on fundamental chemical concepts and principles with emphasis on inorganic compounds. Explores descriptive and quantitative aspects of chemistry, including atomic and molecular structure, chemical bonding, states of matter, solutions, basic thermodynamics, electrochemistry, equilibrium, acids and bases, and kinetics. Laboratory is coordinated with lecture and emphasizes basic techniques such as titration, spectroscopy, and quantitative and qualitative analysis, along with inorganic synthesis and calculator-based experiments. Three lectures, one discussion period and one laboratory each week. High

school algebra required. Prerequisites: CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) with a minimum grade of C or permission of Chair. Permission of the instructor is required to enroll in CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) if the prerequisite CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) was not fulfilled at Notre Dame. [4 credits]

CST-171 Programming Concepts

Introduces computer programming using the Python programming language. Emphasizes logical approaches for algorithmic solutions to solve realistic applications. Explores programming structures such as decisions, repetitions, sub procedures, functions, and arrays using program design with object-oriented concepts. Introduces a variety of program types to meet various business needs. Fulfills the general education requirement of thinking critically and analytically. [3 credits]

CST-295 C++ Object-Oriented Programming

Introduces object-oriented programming including objects, classes, inheritance and polymorphism. Includes high-level structures such as pointers and arrays as well as data structures with stacks and queues. Prerequisite: CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). Satisfies the technological competency requirement. [3 credits]

MAT-212 Calculus II

Studies trigonometric functions, integration by parts and tables, improper integrals, functions of two variables, partial derivatives, double integrals, differential equations, geometric and power series, basic convergence tests, Taylor polynomials and series, and Fourier polynomials and series. Applications are considered throughout the course with an emphasis on the life sciences. Weekly laboratory is an integral part of the course. Graphing calculator is used to explore topics covered. Prerequisite: Calculus I or placement into MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [4 credits]

MAT-213 Calculus III

Covers visualization of functions of two variables, contour graphs, vector geometry, partial derivatives, gradient vector, directional derivatives, constrained optimization, double integral in rectangular and polar coordinates, triple integrals in rectangular, cylindrical and spherical coordinates, analysis of parametric
curves and surfaces, vector fields, line integrals and their applications, the Fundamental Theorem of Line Integrals, Green's Theorem, flux integrals, divergence and curl, Stokes' Theorum and the Divergence Theorem. Applications are considered throughout the course. A computer algebra system is used to explore topics covered. Prerequisite: Calculus II or placement into MAT-213 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-213). [4 credits]

MAT-243 Linear Algebra

Studies systems of linear equations and their respective solution set. Material covered has use in such fields as physical and biological science, business, economics, computing and cryptography. Topics include matrices, vector spaces, linear transformations, determinants, eigenspaces and approximation techniques. Prerequisite: MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). [3 credits]

MAT-315 Differential Equations

Introduces the solution, applications and theory of ordinary differential equations. Topics include: solutions of differential equations, initial value problems, boundary value problems, Laplace transforms and series solutions. Prerequisite: MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

PHY-101 General Physics I

Examines the fundamental physical laws of nature and their use in understanding natural phenomena. Course provides a knowledge base for study in all areas of science and mathematics. Topics include kinematics, conservation of energy and momentum, dynamics of motion, Newton's laws, rotational mechanics, and waves. Special topics such as the universal law of gravity and fluids will be covered depending on time and student interest. Development of the concepts of vector algebra and calculus are provided as needed. Three lectures, one three-hour laboratory weekly. Course must be taken with PHY-101L (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101L). Pre-requisites: MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107) or MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). Students intending to continue with PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) should take MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). [4 credits]

PHY-101L Lab: General Physics I

This lab is a co-requisite for PHY 101.

PHY-102 General Physics II

Examines the fundamental physical laws of nature and their use in understanding natural phenomena. Continues the development from PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) to topics
including: Thermodynaics, electricity and magnetism, circuits, optics, and the wave nature of light. Special topics such as the universal law of gravitation and A/C circuits will be overed depending on time and student interest. Development of the concepts of vector algebra and calculus are provided as needed. Three lectures, one three-hour laboratory weekly. Course must be taken with PHY-102L (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102L). Prerequisite: MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) or permission of instructor. [4 credits]

PHY-102L Lab: General Physics II

This lab is a co-requisite for PHY 102.

PHY-111 College Physics

Provides a survey of the field for students with interests in the health sciences. Topics include mechanics of motion, energy, thermodynamics, electricity, magnetism, atomic and nuclear structure, and radioactivity. Fulfills general education requirement in natural science. CAUS only. [3 credits]

PHY-114 Environmental Science for Educators

Interdisciplinary study of the interactions among the physical, chemical, biological, political and social forces which impact the environment. Provides students with scientific principles, concepts, and methodologies necessary to comprehend the relationships abundant within the natural world in order to identify problems, evaluate risks and examine solutions for resolving issues facing the global environment. Topics include the major biomes in the world, populations, biodiversity, water, air and land uses, energy resources, and waste management. [3 credits]

PHY-132 Environmental Science

Explores the global environment, focusing on current threats to the planet's well-being and presenting options for the future. Introduces the basic principles of ecology. Designed for non-science students. Laboratory and lecture integrated. Fulfills general education requirement in natural science. CAUS only. [3 credits]

PHY-155 Introduction to Astronomy

Examines the history and current understanding of the universe beyond the Earth. Surveys the night sky, the history of astronomical models, and current models for the lifecycle of stars, galaxies, and the universe as a whole. Physical laws that describe motion, gravity, and light will be explained. Special attention will be paid to the methods that scientists use to develop their models and evidence discovered to support them. The course will utilize the planetarium when possible. Fulfills the general education requirement in natural science and the general education requirement in Scientific reasoning. Three one hour lectures and one three hour laboratory weekly. [4 credits].

PHY-155L Lab: Introduction to Astronomy

This lab is a co-requisite for PSY-155 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-155).
[0 credits]

PHY-201 Modern Physics

Traces the development of ideas and theories that have shaped physics in the last 100 years. Topics include relativity, quantum theory, atomic and nuclear structure, particle physics and cosmology. Course

can be used to fulfill minor in physics. Prerequisites: PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) and MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

PHY-314 Quantum Mechanics

Develops the ideas of Quantum Mechanics using Schrodinger's Equation as applied to several interesting situatins, both 1D and 3D, as well as the mathematical formalisms utilized to derive the results. Applications involve atomic physics and other topics contingent upon time and interest. Prerequisites: PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) and MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

PHY-315 Electricity and Magnetism

Develops the ideas of Electricity and Magnetism utilizing vector calculus formalism. Solves Maxwell's equations for a variety of different charge and current sources. Prerequisites: PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) and MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

PHY-330 Introduction to Modern Astrophysics

Studies the discipline of astrophysics through a survey of topics including an introduction to general relativity, an introduction to modern telescopes, and applications such as stellar astrophysics, black holes, galaxies, and/or cosmology. Prerequisites: MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212), PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) and traditional undergraduate students only and Loyola University students through the Baltimore Student Exchange Program. [3 credits]

PHY-411 Topics in Physics

Examines a special topic in physics at a level appropriate for an upper-level physics elective. Examples may include particle physics, experimental methods in astrophysics, or relativity. Some topics may include a lab section. Credit hours will be based on the level of engagement planned for the topic. Prerequisite: PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102). Corequisite: PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201). [1-4 credits]

PHY-463 Investigation in Physics

Provides guided study of special topics of interest to the student under the direction of he instructor or supervised experiences in teaching physics topics. Students cannot tae both PHY-463 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-463) and IDS-496 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-496) for supervised experiences i teaching physics. Credit based on activity time. [1-4 credits]

Entrepreneurship (Minor)

Business and Economics Department

Pamela O'Brien, Ph.D., *Dean*, School of Arts, Sciences and Business
Leslie A. Korb, Ph.D., *Chair*
Ademar Bechtold, Ph.D.
Lawrence Beyer, C.F.A., M.B.A.
Charles E. Yoe, Ph.D.

Degrees offered

Minor

Campuses

Main Campus

At Notre Dame of Maryland University, the Entrepreneurship minor provides the basic tools to recognize and take advantage of business opportunities. The Entrepreneurship Minor covers:

1. Phases of entrepreneurship, from developing opportunities to starting, growing and renewing businesses
2. Functions core to entrepreneurship such as financing a venture or idea generation
3. Particular contexts for entrepreneurship, such as family enterprise, global environments, or specific industries (e.g. fashion, food)

Summary

The Entrepreneurship Minor provides students with an opportunity to develop a business plan for either a social or for-profit entrepreneurial organization that is appropriate for pursuing investors or grants. The Entrepreneurship Minor provides all students whose professional plans would benefit from entrepreneurial perspectives and skills a chance to develop their problem-solving, negotiation, organizing, ambiguity and risk tolerance skills.

The Minor requires the completion of 7 courses (21 credits): BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Principles of Management, BUS-2303 Principles of Marketing, BUS-416 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-416) Managing Financial Resources, BUS-401 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-401) Entrepreneurship I, BUS-402 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-402) Entrepreneurship II, plus two elective courses offered by several departments on campus and chosen and approved in consultation with the Chair of the Business and Economics Department. Business majors do not take BUS-416 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-416). No more than three courses from the student's Major may be applied to the completion of the Entrepreneurship Minor.

Curriculum

Required Courses

BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Principles of Management

BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing

BUS-416 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-416) Managing Financial Resources

BUS-401 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-401) Entrepreneurship I

BUS-402 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-402) Entrepreneurship II

Elective Courses

Choose two approved elective courses offered by several departments on campus in consultation with the Chair of the Business and Economics Department.

Note: Business Majors can not take BUS-416 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-416). No more than three courses from the student's Major may be applied to the completion of the Entrepreneurship Minor and only after consultation with the department chair.

Courses

BUS-202 Principles of Management

Examines organizational, human resources, operational, and functional aspects of ethically managing activities of diverse workforces in organizational settings. Analyzes traditional managerial functions of planning, organizing,leading and controlling within the context of changing demands in orgsnizations that compete effectively in an interconnected, global environment. [3 credits]

BUS-401 Entrepreneurship I

Provides a thorough overview of the complete process of developing and launching for-profit, non-profit or social business ventures. Topics include idea generation strategies, executive summaries, brand creation and selection of business names. Students will gain an understanding of bootstrapping, scalability, promotion, distribution and pricing. The importance of laws and regulations for all aspects of a new venture will be explored. Patents, copyrights, contracts and regulations will also be discussed. The major component of this course will be application of market research skills to research databases and primary/secondary sources of information to complete a formal assessment of the viability of a business idea. This course will culminate in the completion of a feasibility analysis to test assumptions derived from market research. Prerequisite: BUS-303 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-303) or permission of chair. [3 credits]

BUS-402 Entrepreneurship II

Continues the progression set forth in Entrepreneurship I by teaching students the process for developing a comprehensive business plan for an entrepreneurial start-up endeavor. Additionally, students will be assigned a successful entrepreneur from the student's field of interest to serve as their mentor throughout the semester. Students will learn how to prepare a financial plan. They will analyze actual business agreements to gain familiarity with the language

of and issues contained in those documents. Students will build marketing competencies essential to building and sustaining a new venture, such as how to identify customer needs, determine correct target markets and develop sales/marketing tactics and strategies. Students will also prepare and deliver an oral presentation of their plan from the perspective of an entrepreneur presenting to potential investors. Prerequisite: BUS-401 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-401). Corequisite: BUS-416 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-416) or BUS-321 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-321) or permission of chair. [3 credits]

BUS-416 Managing Financial Resources

Provides students with an overview of the accounting and financial tools necessary for managers. Addresses the development and analysis of basic financial statements, the development of budgets (both operating and capital), and other techniques of financial analysis for management decision-making. Prerequisite: general education mathematics requirement. Business majors may not take this course; students who have taken BUS-255 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-255) may not take this course. [3 credits]

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English and Drama (Major, Minor)

English Department

Pamela O'Brien, Ph.D., *Dean, School of Arts, Sciences and Business*
William A. Davis Jr., Ph.D., *Chair*
Kate Bossert, Ph.D.
Jeana DelRosso, Ph.D
Margaret Ellen Mahoney, SSND, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus

The English Department of the College of Arts, Sciences, and Business offers a Major in English and Minors in English and Drama to traditional undergraduate students. Students may also pursue a preparatory program for secondary certification in English. Students learn to respond to literature with critical thought, understanding, inquiry and imagination, sharing the many experiences recorded in literary works of all genres and periods. They also have an opportunity to develop their own literature through a strong writing program. Around the core of required English courses, each student can construct a Program with an emphasis on either literature or writing, or a balance of both. Special features of the English Department include opportunities in creative writing, drama, and a 10-day theatre trip to London.

Summary

The Director of the Academic and Career Enrichment Center places English Majors in elective internships in public relations firms, newspaper offices, schools, law firms and businesses requiring writing, editing and other English-related skills. These internships are available during the fall, spring, summer and Winterim terms.

Students regularly publish their creative work in outside publications. The department chapters of Sigma Tau Delta, The International English Honor Society, and Alpha Psi Omega, the American Honor Society for Theater, plan theatre excursions, lectures, literature readings, and service projects.

Graduates of the Department have completed advanced degrees at institutions such as the Yale School of Drama, The Johns Hopkins University, the Catholic University of America, the University of Delaware, American University and the University of Pittsburgh. Graduates are employed by a diverse number of organizations such as The Baltimore Museum of Art, Baltimore County Public Schools, the U.S. Department of Justice and the Johns Hopkins University Press.

Students may fulfill the General Education Requirement for literature by completing any of the following literature courses: ENG-205 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-205), ENG-213 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-213), ENG-215 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-215), ENG-216 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-216), ENG-220 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-220), ENG-221 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-221), ENG-222 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-222), ENG-224 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-224), ENG-226 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-226), ENG-230 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-230), ENG-238 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-238), ENG-240 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-240), ENG-242 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-242), ENG-243 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-243), ENG-250 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-250), ENG-251 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-251), ENG-270H (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-270H), ENG-275 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-275), ENG-309 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-309), ENG-310 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-310), ENG-313 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-313), ENG-314 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-314), ENG-315 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-315), ENG-316 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-316), ENG-317 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-317), ENG-318 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-318), ENG-319 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-319), ENG-320 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-320), ENG-321 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-321), ENG-323 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-323), ENG-324 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-324), ENG-327 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-327), ENG-347 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-347), ENG-360, ENG-405 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-405), ENG-410 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-410), ENG-411 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-411) and ENG-412 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-412) .

English courses that satisfy the General Education Requirement in Cross-cultural Studies are ENG-221 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-221), ENG-222 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-222), ENG-226 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-226), ENG-251 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-251), ENG-323 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-323), ENG-327 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-327) and ENG-410 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-410). English courses that satisfy the General Education Requirement in Gender Studies are ENG-243 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-243), ENG-275 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-275), ENG-318 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-318), ENG-412 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-412), and ENG-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-440). Drama courses that satisfy the General Education Requirement in Fine Arts are DRM-240 (https://catalog.ndm.edu/courses/list/index.php?dept=DRM#DRM-240) and DRM-245 (https://catalog.ndm.edu/courses/list/index.php?dept=DRM#DRM-245).

The following Empower and Engage General Education requirements may be met by the Art courses listed:

Thinking Critically and Analytically: ENG-205 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-205), ENG-213 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-213), ENG-215 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-215), ENG-224 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-224), ENG-230 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-230), ENG-298 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-298), ENG-315 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-315), ENG-321 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-321)
Artistic Expression: None
Intercultural Knowledge: ENG-410 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-410)
Impact Diversity: ENG-243 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-243), ENG-275 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-275), ENG-412 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-412)

Students must earn a Cumulative Grade Point Average of at least 2.0 in all courses taken to complete the requirements of the English Major.

Programs of Study

Required Courses for a Major in English (42 Credits)

Creative Writing (one course) (3)

ENG-201 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-201) Techniques in the Writing of Verse
ENG-202 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-202) Techniques in the Writing of Short Fiction
ENG-203 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-203) Playwriting
ENG-207 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-207) Techniques in Writing Creative Nonfiction

American Literature (one course) (3)

ENG-215 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-215) American Literature in the 19th Century

ENG-216 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-216) American Literature in the 20th Century

Required Courses (three courses) (9)

ENG-223 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-223) Literary Research

ENG-224 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-224) Literary Perspectives I (British Literature to 1800)

ENG-244 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-244) Literary Perspectives II (British Literature in the 19th and 20th Centuries)

Shakespeare (one course) (3)

ENG-317 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-317) Shakespeare: Chronicles and Comedies

ENG-319 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-319) Shakespeare: Tragedies and Romances

Required Courses (three courses) (9)

ENG-327 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-327) Contemporary World Literature

ENG-452 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-452) Senior Seminar

ENG-453 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-453) Literary Interpretation

Additional Courses(15)

Five courses in English electives, at least two at the 300- or 400-level (15).

Students may choose DRM-240 (https://catalog.ndm.edu/courses/list/index.php?dept=DRM#DRM-240) and/or DRM-245 (https://catalog.ndm.edu/courses/list/index.php?dept=DRM#DRM-245) as their 200 electives for either a Major or Minor in English.

Creative Writing Track (42 Credits)

Nine "core" courses as listed above (27)

Five additional courses in place of the five elective courses:

Second Techniques Course (choose one) (3)

ENG-201 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-201) Techniques in the Writing of Verse

ENG-202 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-202) Techniques in the Writing of Short Fiction

ENG-203 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-203) Playwriting

ENG-207 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-207) Techniques in Writing Creative Nonfiction

COM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-101) Introduction to Media Writing

One workshop (choose one) (3)

ENG-302 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-302) Workshop in Creative Writing
COM-301 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-301) Feature Writing
COM-314 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-314) Reporting and Writing News

Upper-level genre course (choose one) (3)

ENG-355 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-355) Special Topics in Creative Writing
ENG-430 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-430) The Literary Essay
ENG-318 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-318) Modern and Contemporary Women Dramatists
ENG-320 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-320) Influence and Experiment in Modern Drama
ENG-405 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-405) Modernism in Fiction

Practicum (choose one) (3)

ENG-401 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-401) Writing Tutorial
IDS-361 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-361) Career Internship

Elective: One additional course from any of the four options above (3)

Secondary Education Certification: Approved Program in English

Students who wish to prepare for teaching in secondary schools take the required courses for a Major in English. They also take the professional education courses offered by the Education Department. The Education Department requires students also complete English courses in which some adolescent, ethnic and non-Western literatures are taught. The Education Department recommends students complete courses in Drama and Film.

Minor in English

Students who desire a Minor in English complete six English courses beyond ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101). Three of the six courses must be at the 300- or 400-level.

Drama Emphasis or Minor

English majors who wish to complete a Drama Emphasis or Minor complete the following seven courses:

DRM-240 (https://catalog.ndm.edu/courses/list/index.php?dept=DRM#DRM-240) Acting Techniques
DRM-245 (https://catalog.ndm.edu/courses/list/index.php?dept=DRM#DRM-245) Directing Techniques
DRM-320 (https://catalog.ndm.edu/courses/list/index.php?dept=DRM#DRM-320) Techniques in Theatre Practice
ENG-203 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-203) Playwriting
ENG-220 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-220) Introduction to Drama
ENG-318 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-318) Modern and Contemporary Women Dramatists, or
ENG-320 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-320) Influence and Experiment in Modern Drama
DRM-320 (https://catalog.ndm.edu/courses/list/index.php?dept=DRM#DRM-320) Techniques in Theatre Practice (focus in stagecraft area)

Liberal Arts Majors With English Track

Students who desire to Major in Liberal Arts with a track in English may select any courses from English Department offerings.

Four-Year Plan

Below is a sample Program of Study for the English Major. Students should select courses with the assistance of a faculty advisor.

See course descriptions for a list of required courses and description of course and program options.

Fall	Credits	Spring	Credits
First year			
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	English elective	3
ENG-215 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-215) or 216	3	General Education/Electives	12
General Education/Electives	6	[15 credits]	
NDMU 100	3		
[15 credits]			
Second year			
ENG-224 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-224) Lit Perspectives I	3	ENG-223 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-223) Literary Research	3
Creative Writing	3	ENG-244 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-244) Lit Perspectives II	3
General Education/Electives	9	General Education/Electives	9
[15 credits]		[15 credits]	
Third year			
ENG-317 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-317) or ENG-319 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-319) Shakespeare	3	ENG-453 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-453) Lit Interpretation	3
English Elective	3	ENG-327 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-327) Contemporary World Lit	3

General Education/Electives	9	General Education/Electives	9
[15 credits]		[15 credits]	
Fourth year			
English elective (300/400-level)	3	ENG-452 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-452) Seminar	3
English elective (300/400-level)	3	English elective (300/400-level)	3
General Education/Electives	9	General Education/Electives	9
[15 credits]		[15 credits]	

-

Courses

DRM-240 Acting Techniques

Helps students develop their acting potential and sharpen their skills in interpreting scripts through individual and group exercises, improvisations, monologues and scene studies. Central to the conduct of the course will be relaxation and breathing exercises, oral projection, movement and gesture. Fulfills general education requirement in fine arts. [3 credits]

DRM-245 Directing Techniques

Explores fundamentals of script analysis, conceptualization, visualization, composition, blocking and the role of theatre director. Practical application of learned techniques and completed playbook are required. Students are encouraged to direct productions of original student work and actively participate in campus productions. Fulfills general education requirement in fine arts. [3 credits]

DRM-320 Techniques in Theater Practice

Focuses on particular aspects of theatre: voice, movement, stage combat, improvisation, period acting, makeup techniques, costume design, lighting design, set design or other elements. Practical application of the selected element or elements leads students to develop expertise in the area on which they are focusing. Design courses entail both design technique and practical application. A course focused on acting practices requires reading, research and application techniques in a theatre environment. This is an upper-division course in theatre practice, allowing students to achieve competence in a particular area of theatre. For classes in various acting techniques, DRM-240 (https://catalog.ndm.edu/courses/list/index.php?dept=DRM#DRM-240) is recommended. [3 credits]

DRM-411 Topics: Drama

Provides students with the opportunity for an in-depth study of drama, stage craft, author(s), and/or techniques.

DRM-427 London Theater Tour

Provides students with an opportunity to experience English life in the city and country; see professional plays; visit museums, cathedrals, and other places of interest in and around London; visit beautiful English towns such as Bath,

Stratford, Salisbury, and Windsor. Organized and directed by English departmental faculty. Offered during Winterim. Satisfies cross-cultural studies requirement. [3 credits]

ENG-101 College Writing

Provides students with an understanding that clear thinking is fundamental to clear writing. It also demonstrates every stage of the composing process: generating and organizing ideas, prewriting and drafting, critiquing, revising, final editing and proofreading. In addition, students work to accomplish clarity, unity, coherence and emphasis in sentences, in paragraphs, and in the overall structure of an essay. They develop techniques of style and tone toward more fluent and appealing prose and strive to sharpen their analytical, critical and editing skills by interacting with other students about their own writing and about the writing of professionals. Students learn to use standard English and develop a sensitivity to sentence structure and diction and to appreciate effectively written prose and recognize characteristics that make such prose effective. To fulfill the general education requirement in written communication a minimum grade of C is required. [3 credits]

ENG-101L College Writing Laboratory

Provides students with extra practice in writing and vocabulary development.

ENG-103 Hrs: Writing Well

This is an intensive course in writing designed to help students develop superior facility in the various types of expository writing, including reporting, analysis, interpretation, criticism, persuasion, synthesis and research writing. The course will also study the writing process and rhetorical theory and present ways that enable students to assess writing tasks and to develop practical strategies to accomplish each task effectively.

ENG-201 Techniques in Writing Poetry

Practices fundamental techniques of writing poetry. Provides experience with writing in a variety of verse forms and styles, from traditional to contemporary, from lyrical writing to free verse, and from metaphorical to fairly direct styles. Explores the means through which written expression can be made more emphatic, figurative, memorable and evocative. Course will be a workshop experience. Students will complete a portfolio of work. Prerequisite: ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101).
Fulfills general education requirement in Artistic Expression. [3 credits]

ENG-202 Techniques in Writing Short Fiction

Introduces a step-by-step approach to writing a short story. Develops the techniques of writing fiction, including development of theme, setting, plot and character, through the exploration of the craft. Course will be a workshop experience. Students will complete a portfolio of work. Prerequisite: ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101). Fulfills general education requirement in Artistic Expression. [3 credits]

ENG-203 Playwriting

Explores creative techniques and the craft of writing plays. Requires students to present and rewrite work which is read, acted out and discussed for dramaturgical effectiveness. Each student writes a "10-minute" play and either a one-act play or the equivalent portion of a full-length play. Staged reading, production issues and submission of play manuscripts are covered. Extensive review of work in progress by peers and instructor in workshop setting. Prerequisite: ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101). Fulfills general education requirement in Artistic Expression. [3 credits]

ENG-204 The Essay As Literature

Studies nonfiction prose written as literature, including nonfiction novels and stories, personal essays, humorous essays, memoirs, travel and nature writing, and literary essays. Examines the appeal, impact and style of essays written "to delight and instruct." Provides opportunities for students to develop critical and analytical skills as they respond to this literature. Fulfills general education requirement in literature. [3 credits]

ENG-205 Short Fiction

Examines the short story with emphasis on the elements of fiction, focusing especially on plot, character, setting, point of view and theme. Introduces students to stories by a variety of authors-traditional and contemporary, ethnic and mainstream, American and international. Broadens analytical and critical ability through guided discussion and short papers that respond to the literature. Fulfills general education requirement in literature and thinking critically and analytically. [3 credits]

ENG-207 Techniques in Writing Creative Nonfiction

Practices the techniques for writing various sub-genres of creative nonfiction. Allows writers to explore a wide range of prose types, from travel writing to memoirs to scientific exposition. Provides students with the ability to apply the art and craft of writing to different contexts according to their interests and future goals. Students produce a portfolio of work. Prerequisite: ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101). Fulfills general education requirement in Artistic Expression. [3 credits]

ENG-213 Contemporary American Literature

Examines and interprets representative works from contemporary authors. Analyzes and compares major movements such as Modernism and Postmodernism. Assists students in building an informed critical response to literature. Fulfills general education requirement in literature and Thinking Critically and Analytically. [3 credits]

ENG-214 Voices of Hope

"Hope is the thing with feathers" - provides the opportunity to study authors and texts that provide an optimistic view of life.

ENG-215 American Literature in the 19th Century

Introduces and assists students in interpreting representative works from major authors, including Hawthorne, Douglass, Thoreau and Dickinson. Analyzes and compares major movements such as Romanticism and Realism. Fulfills general education requirement in literatureand general education requirement in thinking critically and analytically. [3 credits]

ENG-216 American Literature in the 20th Century

Examines and interprets representative works from major authors including Chopin, Faulkner, Williams and Morrison. Analyzes and compares major movements such as Realism, Modernism and Postmodernism. Provides students with a basic background in contemporary literature. Fulfills general education requirement in literature. [3 credits]

ENG-220 Introduction to Drama

Examines drama as a genre to be read and performed. Texts span the centuries from the Greek classical age through the 21st century, represent themes ranging from intense tragedy to light comedy, and exemplify both traditional and experimental forms rooted in different cultures. Fulfills general education requirement in Literature and Thinking

Critically and Analytically. [3 credits]

ENG-221 Growing Up in Literature

Examines the coming-of-age theme in literature. Readings include some full-length novels and/or memoirs by American and international writers, but most readings are short stories focused on children and adolescents in international settings. Students relate the coming-of-age theme to theories of professional psychologists. They also study variations in the literary treatment of the theme and the causes of these variations, especially the influence of familial, social and cultural milieu. This course would be of particular interest to prospective teachers. Fulfills general education requirements in literature and cross-cultural studies. [3 credits]

ENG-222 African American Literature

Examines form and style, issues of audience, and historical, social, economic and racial issues and contexts in African American fiction, poetry, autobiography and drama. Builds student ability to analyze literature. Fulfills general education requirements in literature and crosscultural studies. [3 credits]

ENG-223 Literary Research

Introduces students to the methods and processes of literary research, bibliography and scholarly writing. Students identify and use the latest Internet research tools along with other standard sources in English and American literature and apply their skills to selected literary texts. Provides students with instruction and practice in identifying an original research project, finding and incorporating literary criticism into their own writing, and presenting their work to other students. Majors only. [3 credits]

ENG-224 Literary Perspectives I: British Literature to 1800

Surveys the origins and development of British literature through 1800, introducing students to representative works from the Middle Ages, the Renaissance, and the Restoration and 18th Century. Traces pervasive themes, techniques, and genres that develop across periods. By building a foundation in the understanding of literary history, the course establishes a basis for later in-depth study at the 300-level. Fulfills general education requirement in literature and thinking critically and analytically, objectives 1 and 2. [3 credits]

ENG-226 African Literature

Examines fiction and drama of African writers from two perspectives: the colonial writing of Conrad and Cary and the post-colonial variant view of contemporary African writers from diverse cultures, including Achebe, Soyinka, Gordimer and Okri. Fulfills general education requirements in literature and cross-cultural studies. [3 credits]

ENG-227 Japanese Literature

An exploration of the flowering of Japanese literature from the diaries of medieval women, through the constant stream of poetry, to Bunraku, Noh and Kabuki drama, as well as the contemporary novel and short fiction.

ENG-230 Gothic Fiction

Examines the origins and conventions of the Gothic tradition in literature and studies representative works by Mary Shelley, Charles Brockden Brown, Emily Bronte, Edgar Allan Poe and others. Students practice and refine the skills of interpretive reading, discussion and writing as they address literary elements such as plot, character, setting, point of view and theme. Fulfills general education requirement in literature and thinking critically and analytically, objectives 1 and 2. [3 credits]

ENG-232 Contemp Irish Lit

Introduces students to Irish Literature from cultural and historical perspectives.

ENG-238 Detective Fiction

Traces the history of the art of detective fiction from more intellectual short stories of Poe and Doyle through the early "hard-boiled" private eye fiction and the "cozies" of the 1930s and 1940s to the many varieties of today. Identifies adaptations of the genre in pre-1950 radio broadcasts and later films and TV shows. Through charts, short papers and presentations students analyze artistry in plotting, characterization, formulaic devices, and literary techniques of effective short stories and novels in comparison with less well-constructed examples of the genre. Fulfills general education requirement in literature. [3 credits]

ENG-241 Edgar Allan Poe

Examines the artistry of Poe's poetry and fiction works.

ENG-242 Comedy and Humor: Celebration And Satire

Explores comedic literature across periods and genres, from the Middle Ages to the present day. Investigates the social, political, and cultural effects of humor and laughter. Readings may range from jokes, insults and other forms of popular culture to drama, poetry, film, and the comic novel. Fulfills the general education requirement in literature. [3 credits]

ENG-243 Literature by Women

Requires students to analyze, interpret and write critically about a select number of texts by and about women to investigate how women represent yourselves. The course contributes to students' critical skills by teaching them to read and write about literature, and it introduces diversity into the curriculum by presenting authors who are often omitted from the literary canon. Students will discuss texts and question what we read, as well as write about the texts with critical engagement. Fulfills general education requirements in literature and gender studies and general education requirement in impact of diversity. [3 credits]

ENG-244 Literary Perspectives II: British Literature in the 19th and 20th Centuries

Traces pervasive themes, literary theories, and the development of genres in English literature during the Romantic and Victorian periods and in the 20th century. Interprets selected works of these periods in the context of social, political, and literary history, analyzing ways in which literature has been shaped by literary movements and world events. Traces signs of modernism and postmodernism as they are reflected in 20th century authors. [3 credits]

ENG-250 Reading Poetry

Focuses on the basic poetic elements: speaker, theme, diction, imagery, figures of speech, tone, patterns of sound and rhythm, meter, rhyme and various poetic forms. Examines poems by a variety of poets-traditional and contemporary, ethnic and mainstream, American and international. Teaches students to analyze and scan poems. Fulfills general education requirement in literature. [3 credits]

ENG-251 Honors: Ethnic American Literature

Studies works by writers of different ethnic groups in 20th century America, with emphasis on African-American, Asian-American, Jewish-American, Native-American and Latino/a writings. The course will provide interdisciplinary

approaches to literature; readings will come from several literary genres, including novels, short stories and poetry, but students will also read theory and criticism relevant to recent work in ethnic studies. The course will teach students to read and write about literature, and it will introduce many of the important works of 20th century American minority literature. Prerequisite: Morrissy scholar or permission. Fulfills general education requirements in literature and cross-cultural studies. [3 credits]

ENG-270 Hrs: Doomsday Literature

Investigates how literature has constructed and depicted the end of the world. Students examine the literature of Doomsday across periods and cultures, mapping varied expectations for "the end time" from the ancients to the modern day. The course explores what these doomsday depictions suggest apart from eschatological prophecy. Doomsday themes frequently boom during times of ideological crisis, and the course investigates the "rhetoric of Doomsday" as it is used to inspire both hope and fear in the face of potential catastrophe. Prerequisite: Morrissy scholar or instructor permission. Fulfills general education requirement in literature. [3 credits]

ENG-275 American Women Writers

Requires students to read, analyze, interpret and write critically about a select number of texts by 20th-century American women writers. Students will learn to enjoy and appreciate the literary artistry of representative women writers; to identify common concerns of women writers of the past century; to experience vicariously the lives of diverse women and evaluate the social, cultural, economic and political forces that shape those lives; to recognize different approaches of women's portrayal of women; to understand how American feminism has developed and how it is manifested in these writings; and to develop their critical reading and writing skills. Fulfills general education requirement in literature, gender studies and impact of diversity. [3 credits]

ENG-298 Writing about Literature

Students are introduced to short fiction, drama, and poetry. They analyze typical techniques in each of these literary genres, compare individual works to one another, and evaluate works according to basic critical principles, such as consistency of character, development of plot, effectiveness of setting, and use of effective tone and style. The course also develops basic writing skills by the production of frequent short papers. These papers in turn increase the ability of students to analyze the literary works which are the subject of the papers. Fulfills general education requirement in literature and thinking critically and analytically. [3 credits]

ENG-302 Workshop in Creative Writing

Provides advanced practice in the writing of poetry, fiction, creative nonfiction or plays. Participants choose to work in the craft of specific genres. Students share in reading and discussing the submitted artifacts. Revision is emphasized as a significant function of the creative process as students produce a portfolio of work. Prerequisite: ENG-201 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-201), 202, 203 or 207, or presentation of a suitable manuscript. [3 credits]

ENG-307 Workshop in Writing Creative Nonfiction

Develops more sophisticated techniques of writing creative nonfiction in a workshop setting, allowing students to focus on the area of creative nonfiction with which they are most engaged either professionally or creatively. Students may approach their writing through memoir, biography, literary journalism, humorous nonfiction, travel, history or other appropriate forms. Within a workshop framework, students present their own work and critique the work of others. Interview techniques and research methods are explored in accord with the student's writing focus and subjects chosen. Students produce a portfolio of work. Prerequisite: ENG-207 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-207) or permission of instructor. [3 credits]

ENG-309 English Literature of the Renaissance

Focuses on English literature in the 16th and 17th centuries, from the beginning of the Tudor period in 1485 through the era of the Commonwealth. Analyzes links between literature and life in Britain during a time of cultural rebirth and political turmoil. Explores non-Shakespearean drama, representative essays of the time, and newly evolving Elizabethan fiction and Utopian fantasy. Compares varied poetic techniques in epics of Spenser and Milton, in popular ballads, and in the lyrics of the cavalier and metaphysical poets. Fulfills general education requirement in literature. [3 credits]

ENG-310 English Literature Before 1485

Examines the roots of English literature from the fifth-century Anglo-Saxon period through the Middle Ages to the beginning of the Tudor reign in the 15th century. Traces images of the heroic life from the folk-epic hero Beowulf through the evolution of Arthurian traditions in the later Middle Ages. Explores other aspects of medieval life through student-selected research projects on such topics as illuminated manuscripts, medicine, archeology, history, drama or whatever else ppeals to individual students. Demonstrates the relationship between modern English and Middle English through oral reading and analysis of selected passages from Chaucer's anterbury Tales. Fulfills general education requirement in literature. [3 credits]

ENG-313 Honors: Thomas Hardy: Novelist and Poet

Provides an in-depth study of English writer Thomas Hardy (1840-1928). Hardy is known as a Victorian novelist and a modern poet; his work thus crosses literary (generic) and historical boundaries. Hardy wrote 14 novels, 50 short stories, roughly 1,000 poems, one epic drama, seven volumes of published letters, an auto-biography, and a number of essays on literary and sociological topics. Students will read selected novels and poems as we trace Hardy's career and examine literary topics such as serial publication, the circulating library, and censorship, along with themes such as the Victorian "Woman Question," the part-real, part-invented land of Wessex, social class, law, and the "ache of modernism" in his later novels. Students will engage in primary (letters, notebooks, etc.) and secondary (critical) research as they explore these and other topics in two research projects during the semester. The course emphasizes the process of writing a research paper. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in literature. [3 credits]

ENG-315 English Literature: 19th Century

Examines selected works of major Romantic and Victorian authors in the context of these two literary periods. Students will read selections by Coleridge, Wordsworth, Keats, Browning, the Bronte sisters and many others, and will examine 19th-century literary theories and pervasive themes as these inform the poetry, nonfiction prose and fiction of the period. Fulfills general education requirement in literature and thinking critically and analytically. [3 credits]

ENG-316 English Literature: 20th Century

Studies major writers and literary techniques and themes characteristic of 20th-century Britain. The course examines modernism and postmodernism and the way in which the literature has been shaped by literary movements and world events. Students will have the opportunity to read selected poems, novels, essays and short plays by authors ranging from Hardy and Yeats to A. S. Byatt and Iris Murdoch. Fulfills general education requirement in literature. [3 credits]



ENG-317 Shakespeare: Chronicles and Comedies

Examines selected Shakespearean chronicles and comedies in light of earlier drama which set patterns for Shakespeare and his contemporaries. Explores ways in which Shakespeare?s chronicle plays portray British history and political theory during the Hundred Years War and the Wars of the Roses. Demonstrates the range of character development, comic techniques and vivid language in his comedies. Provides opportunities for students to view major film versions of the plays and to practice their own dramatic skills in group presentations of selected scenes from the comedies. Fulfills general education requirement in literature. [3 credits]

ENG-318 Great Women Dramatists

Explores the development of the role of women on stage from Ibsen and Shaw up through contemporary work by important women playwrights such as Glaspell, Churchill, Duras, Fornes and others who have impacted contemporary drama. As part of the course experience, students attend local area productions. Fulfills general education requirement in literature and gender studies. [3 credits]

ENG-319 Shakespeare: Tragedies and Romances

Examines selected Shakespearean tragedies and romances. Explores earlier drama and sources that Shakespeare used and adapted. Provides opportunities for students to view major stage and film versions of the plays and to consider staging choices through the discussion and presentation of selected scenes. Fulfills general education requirements in literature and thinking critically and analytically. [3 credits]

ENG-320 Influence and Experiment in Modern Drama

Studies important theatre movements and innovative voices of 20th century drama in the Western world. The development of contemporary theatre is traced in the experimental work of Strindberg, Kaiser, Apollinaire, Pirandello, Pinter, Brecht and Beckett, among others. Students attend local area productions. Fulfills general education requirement in literature. [3 credits]

ENG-321 Voices of Dissent and Affirmation in 19th Century American Literature

Examines and interprets representative works from major authors, including Irving, Hawthorne, Emerson, Douglass and Twain. Analyzes and compares major movements such as Romanticism, Realism and Naturalism. Identifies, describes, compares and contrasts genres of fiction, nonfiction and poetry. Fulfills general education requirement in literature and thinking critically and analytically. [3 credits]

ENG-323 Modern Irish Literature

Examines the literature of the Irish Renaissance: the works of W. B. Yeats, Lady Gregory, J. M. Synge, James Joyce, Sean O'Casey and others. Explores the literature in the context of Irish myth and legend, religious and political influences, nationalism and revolution. Fulfills general ducation requirement in literature and cross-cultural studies. [3 credits]

ENG-324 Honors: The Irish "Troubles": Literature, History and Film

Examines, from a variety of perspectives, the Irish "Troubles;" that is, the violent political conflicts between Irish and English in the early 20th century and between Catholics and Protestants in Northern Ireland in the late 20th century. Explores literary and cinematic treatments of the conflict and compares them with historical accounts in order to arrive at a better under-standing of the "Troubles." Students will discuss the treatment of the "Troubles" in the plays of Sean O'Casey and Brian Friel, the poetry of W.B. Yeats and Seamus Heaney, the fiction of Frank O'Connor, Liam

O'Flaherty, Eugene McCabe and others, and the memoir, Guerilla Days in Ireland by Tom Barry. Students will also view several films, including "Michael Collins" and "Bloody Sunday." Prerequisite: Morrissy scholar or permission. [3 credits]

ENG-327 Contemporary World Literature

Introduces an understanding and appreciation of the diversity of contemporary literatures from different cultures by presenting authors who are often omitted from the literary canon. Students will attain a global view of basic social issues as they are represented in literature and will focus on the common elements of humanity as well as on the differences across diverse cultures. The class will examine the themes of hope and despair, peace and war, joy and anguish, and the distances between these through fiction, autobiography and essay. We will also examine the different cultural perceptions of literature and its purposes. Fulfills general education requirement in literature and cross-cultural studies. [3 credits]

ENG-342 General Linguistics

Introduces principles and terminology of language study. Examines the three major branches of linguistics (phonology, grammar and semantics) within a broad spectrum of comparative linguistics and also with closer attention to developments within the English language. Traces major historical developments in English. Analyzes stages of language acquisition in children and provides students preparing for teaching certification with practice in applying theories of language structure to teaching writing skills within a classroom setting. [3 credits]

ENG-347 Hrs: "New Woman" Literature

This course will examine selections from the body of writing known as New Woman literature in England during the 1880s and 1890s, along with selected works from American and European writers. New Woman novels, essays, and plays address what was called "the Woman Question" and its primary issues, e.g., women's independence, the "nature" of women, women's roles and responsibilities, the effects of women's independence, sexual relations and gender differences. The course will follow the development of the New Woman character and will examine common conflicts and themes among the various representative works. Prerequisite: Morrissy Scholar or permission. Fulfills General Education requirement in literature and gender studies. 3 credits.

ENG-350 Honors: The Literature and Psychology of Travel

Explores the effects and implications of travel as portrayed in contemporary nonfiction and autobiographical fiction. Examines how travel affects our sense of identity, culture, and community, how it affects us emotionally, what needs and fears in human nature it reflects, what socio-political issues are involved in travel, and how it changes our understanding of the world around us. We live in an age of journeys, not all of them physical. Reading in the course will include books about journeys abroad, journeys within one's own country and culture, intellectual quests, explorations of cultural history, and journeys of faith, renewal, and rediscovery. Fulfills general education requirement in literature. Prerequisite: Morrissy scholar or permission. [3 credits].

ENG-355 Special Topics in Creative Nonfiction

Focuses on an author, group of authors, subgenre, period or theme in creative nonfiction as literature, as determined by the faculty member, so that students will be able to gain familiarity with the author, group of authors, sub-genre, period ortheme and be able to distinguish its critical features from others in the field. Students may repeat the course if it is offered on a topic that they have not previously studied. For anyone who opts to repeat the course, the second topics course counts only as an elective and may not count toward completion of the student's major or minor requirements. Prerequisite: ENG-207 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-207) or permission of instructor. [3 credits]

ENG-360 Honors: Geek Literature

Investigates geek literary culture with themes of escapism, social alienation, intellectual superiority, conspicuous consumption, and the effect of technology on human nature in a series of texts associated with the geek. Authors include: J.K. Rowling, J.R.R. Tolkien, Neal Stephenson, Douglas Adams, Harlan Ellison, Neil Gaiman, and Allan Moore, among others. Students will study texts in non-print media, including digital and Internet phenomena. Prerequisite: Morrissy Scholar or instructor permission. Fulfills general education requirement in Literature. [3 credits]

ENG-401 Writing Tutorial

Provides student the opportunity for intense work on a single extended work or collection of shorter works under the direction of one English faculty member. Allows student to recognize the importance of revision in the writing process. Before enrolling in this course, the student is expected to have demonstrated proficiency in one of the creative writing genres and to have obtained the consent of her prospective tutorial director. The minimum prerequisite for this course is the successful completion of the relevant writing workshop, depending on the writing genre that the student wishes to pursue. With the consent of the instructor, the writing tutorial may be continued for two semesters, with three credits applicable to degree requirements each term. Prerequisite: ENG-302 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-302) or ENG-307 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-307) and permission of instructor. [3 credits]

ENG-410 Topics in Literature: Cross-Cultural Studies

Investigates the social and cultural dimensions of literature written by and about peoples of other countries or of regional or minority cultures within the United States. Topics may
focus on literature from English-speaking countries or on literature in translation by writers from nonwestern countries. Topics will reflect cultural diversity as represented in selected works of literature. The topic will
be announced before registration each semester when the course is offered, and the course itself can be taken more than once on different subjects.
Fulfills general education requirement in literature and cross-cultural studies and general education requirement in Intercultural Knowledge. [3 credits]

ENG-411 Topics in Literature

Provides students with the opportunity of in-depth study of such literary topics as the following: a significant writer or group of writers, a literary period or movement, a particular genre or themes related to a geographic region. The topic will be announced before registration each semester when the course is offered, and the course itself can be taken more than once on different subjects. Fulfills general education requirement in literature. [3 credits]

ENG-412 Topics in Literature: Gender Studies

Investigates gender as it is represented and constructed in literature by examining such literary topics as the following: a significant writer or group of writers; a literary period or movement; a particular genre or geographic region. The topic will be announced before registration each semester when the course is offered, and the course itself can be taken more than once on different subjects. Fulfills general education requirement in literature and gender studies and general education requirement in Impact of Diversity. [3 credits]

ENG-414 Great Books: Exist Imag

Provides the opportunity to study existential questions that lead to the construction of identity.

ENG-427 London Study Tour

Provides students with an opportunity to experience English life in the city and country; see professional plays; visit museums, cathedrals, and other places of interest in and around London; visit beautiful English towns such as Bath, Stratford, Salisbury, and Windsor. Organized and directed by English departmental faculty. Offered during Winterim. Satisfies cross-cultural studies requirement. [3 credits]

ENG-440 Hrs:Women and/as Monsters in Literature and Culture

Requires students to examine, in a seminar format, the interdisciplinary topic of women and/as monsters in literature and culture. Women's writings, as well as women writers themselves, have historically been viewed as "monstrous"; this course investigates the notion of monstrous women, as well as women writing about monsters, by examining both female- and male-authored, canonical and non-canonical, literary and non-literary texts, primarily but not exclusively from the past two centuries. Prerequisites: Morrissy Scholar or permission. Fulfills general education in literature and gender studies. [3 credits]

ENG-451 Literary Ideas

ENG-452 Senior Seminar

Requires students to examine, in a seminar format, a major literary topic or author(s). Students will employ the skills learned in Literary Research and Literary Interpretation: using library esources and databases, demonstrating an understanding of the variety of theories and approaches to literary criticism, and synthesizing critical research with their own original argument and interpretation regarding a text. Students will demonstrate their ability to present their research both orally and in clear, coherent prose. Majors only. [3 credits]

ENG-453 Literary Interpretation

Studies the nature and practice of literary interpretation and evaluation. Examines both traditional methods, such as textual, genre and historical criticism, and contemporary approaches, including "new" criticism, psychological, Marxist, feminist and reader-response criticism. Students learn to analyze literary works from the perspective of these specific approaches. [3 credits]

ENG-463 Independent Study

Requires students to create a production project in acting, directing or stagecraft. A student could direct a full-scale stage production, design either lighting or set for a show, perform as a lead actor in a production, or serve as dramaturg for a major production. These projects would be under the direction of a faculty member. For directing, a completed playbook would be required. For design projects, completed sketches and/or models would be required. For acting, an intense written examination of the role would be required. For dramaturgy, a paper outlining the extent of the research and the conclusions would be presented to the director. Prerequisite: Permission of the instructor. [1, 2 or 3 credits]

ENG-496 Assistantship in Writing

Assists the instructor in class preparation and instruction, including research, classroom administration, assessment, guiding other students' writing, editing and revision, and moderating student discussions. Students create and design lesson plans and class writing activities. Experience is designed for those desiring to teach English, particularly on the college level. Prerequisite: Prior successful completion of the course for which the student is the assistant and permission of the instructor. [3 credits]



ENG-501 Research Methodologies Of Literary Criticism

Provides an overview of literary research methods, bibliography and research writing. Students will use the major research tools and databases in literature and apply these research strategies to the study of selected literary and historical works on one specific topic in literary theory. Students will also learn how to analyze secondary sources and incorporate their findings into their own writing in order to develop the skills necessary to producing original literary criticism. The course is designed to prepare students for the research and writing required in the master's egree in English program. [3 credits]

ENG-503 Graduate Writing

Develops the writing skills that are essential in every workplace. Emphasis is on the relationship between thinking and writing, being able to present with clarity and coherence the message in written form. What distinguishes the manager or managerial candidate is the ability to present written matter with precision, economy, accuracy and grace. While the course presents business-related writing, the focus is on simply being able to write well. Learners enhance their skills through a series of writing experiences. [3 credits]

ENG-507 The Pedagogy of Creative Writing

Can creative writing be taught? And, if so, how can we help students develop productive writing habits and utilize their own life experiences? This course will examine how creativity can be encouraged, especially in light of the latest brain science. This course will review advantages and disadvantages of various ways of organizing creative writing units and of evaluating student writing. Students will learn about techniques to help students become expert readers and engage in exercises to help writers become more self-aware, craft-conscious, and self-critical. [3 credits]

ENG-508 Contemporary Literary Theory

Examines prominent literary theories that have influenced the analysis and interpretation of literature in the last century. Theories studied range from formalism, structuralism, and post-structuralism, to psychoanalytic and readerresponse theories, to cultural-oriented theories, such as feminism, Marxism, and new historicism. Students will master theoretical concepts and methodologies as well as apply theoretical literary concepts to specific works of literature. [3 credits]

ENG-511 Topics in Literature

Provides students with the opportunity for the in-depth study of such literary topics as the following: a significant writer or group of writers, a literary period or movement, a particular genre or themes related to a particular region. The topic will be announced before registration each semester when the course is offered, and the course itself can be taken more than once on different subjects. [3 credits]

ENG-518 Medievalism

Focuses on ideas, arts, and practices characteristic of the Middle Ages as portrayed in English literature before 1485, with some reference to influences from the continent. Brief overviews of the oral formulaic tradition of Old English poetry and the historical and legendary works of Bede and Geoffrey of Monmouth form a preliminary backdrop for the period. Selections from Chaucer's Canterbury Tales in the original Middle English introduce students to the roots of their language and provide examples of literary genres such as fabliau, fable, exemplum, and the Breton lay of Marie de France. Through Thomas Malory?s Morte D'Arthur students analyze another popular medieval genre, the prose romance, and explore Arthurian themes that have pervaded literature into modern times. In addition to these major works, some attention is also given to samples of medieval drama, mysticism, and allegorical social satire. Readings highlight estates satire, the church's use of literature and art as a teaching device, and contradictory images of medieval anti-feminism vs. the veneration of women. [3 credits]



ENG-519 Renaissance and Neoclassicism

Explores poetry, drama, and prose of the English Renaissance, the Spanish Golden Century, and Neoclassicism. Influenced by the Italian rebirth of Greek and Roman philosophy and literature, and disseminated by the miracle of the printing press, the Elizabethan and Jacobean ages produced great writers of English literature, including Shakespeare, Milton, Spenser, Marlowe, Donne, and others, who will be read and critically analyzed. The Restoration and Age of Reason gave us poetry, literary criticism, essays, drama and the emerging new genre, the novel. Selected writers of the period will be read and analyzed with a particular focus on women's issues. Critical response papers are required as well as the presentation of seminar papers on specific authors and/or topics. [3 credits]

ENG-526 Russian Fiction

Examines the distinctive role of Russian writers and their contributions to the literary canon.

ENG-527 Study Tour

Provides students with the opportunity to experience English life in the city and in the country, see professional plays, visit museums, cathedrals, and other places of interest.

ENG-528 Romanticism

Examines major concepts and themes of British and American Romanticism. Major Romantic concepts include a belief in the spiritual and restorative powers of nature, the importance of the imagination, and the truth of the emotions. Major Romantic themes include the pursuit of the Ideal, glorification of nature, centrality of the common man, and love of the supernatural and mysterious. Writers studied include British Romantic poets Wordsworth, Coleridge, Keats and Byron, and American Romantics Thoreau, Poe, Hawthorne, Dickinson, Radcliffe, and Emerson. [3 credits]

ENG-529 Realism and Victorianism

Examines major literary works of the realism period of the nineteenth century, with a primary focus on English, American, and continental fiction, the genre in which realism finds its greatest variety and richness. Students will explore the foundations of realism and its literary relation naturalism, including the psychological basis of character, the uniqueness of individual experience, the use of the commonplace, the goal of objectivity in reporting what novelist W. D. Howells called "the truthful treatment of material," new ideas concerning the purposes of fiction; including the sometimes disparaged "novel with a purpose" and verisimilitude. Selected novels will emphasize the roles and condition of women of the period. Students will explore the importance of the magazine to the rise of the realistic novel and will also read examples of the literary criticism of the period in order to appreciate the parameters set for fiction by a new generation of professional literary critics. [3 credits]

ENG-530 Liturature of the Examined Life

A reading of selected works of literature representative of the human passion for knowledge and for life. The search for what is authentic in the human character, what is intelligible and valid in human experience, informs the literature. [3 credits]

ENG-538 Modernism and Postmodernism

Examines the poetry, drama, and fiction of selected representative writers and analyzes the works from various literary theoretical perspectives. Course will trace Modern concepts of radical individualism, re-contextualization through myth, dominance of psychoanalytic thinking, emancipatory emergence; particularly as it relates to women, and the shift from an epistemological to an ontological aesthetic in the works of modernists such as Yeats, Pound,

Eliot, Woolf, Joyce, Faulkner, O'Neill, and others. In the context of the contractual nature of language and its development with structuralism, poststructuralism, and deconstruction, we will analyze the works of postmodern poets, playwrights, and novelists such as Beckett, Ionesco, Churchill, Byatt, Morrison, and Nabokov. Critical response papers are required, as well as the presentation of seminar papers on specific authors and/or topics. [3 credits]

ENG-541 Drama and Its Wisdom

Explores the philosophic nature of the art of drama. Through Nietzsche's thinking in Birth of Tragedy and Good and Evil, drama is examined in Greek tragedy with Euripides, Shakespeare's tragedies in the Renaissance, O'Neill's dark plays in the modern world and contemporary works of playwrights like Ed Bond. Horace's Ars Poetica tells us drama must "instruct and delight." In this course both the joy and the illumination of the plays take center stage. [3 credits]

ENG-547 New Woman Literature

Explores selections from the fiction, periodical journalism, and drama of the Victorian period, including George Gissing?s novel The Odd Women, essays by Sarah Grand and others, and plays such as Shaw's Mrs. Warren's Profession. Examines the "Woman Question" of late nineteenth-century England and identifies its main issues, e.g., the "nature" of women, women?s roles and esponsibilities, independence and its social effects, education, sexual relations, and gender differences. [3 credits]

ENG-548 Classical World Literature

Analyzes classics of world literature from ancient to pre-modern times, learning to identify and appreciate the qualities that make a work a classic, including its enduring worldview, its style, its impact, and its universality. The course will explore such issues as social and familial relationships, gender roles, the relationship between the individual and society, differing value systems, mythopoetic and folkloric influences on literature, elements of narrative, poetic, and conceptual structure in the works, and the ways in which literature shapes our perception of reality. Texts covered may include works by Homer, Sophocles, Aristophanes, Herodotus, Ovid, and Virgil from classical times, selections from Gilgamesh, the Bible, the Qur'an, the Bhagavad Gita (or another Vedantic book), the Tao Te Ching, and Persian poetry, works like The Art of War by Sun Tzu and The Pillow Book by Sei Sei Shonagon, and more recent works regarded as classic by such authors as Dante, Boccaccio, Rabelais, Moli?re, Cervantes, and Goethe. [3 credits]

ENG-549 Modern World Literature

Examines contemporar y literature from around the world, either in translation or written in English, analyzing it in terms of cultural differences, gender roles, literary archetypes, universalities of human experience and thought, and each book's thematic focus and philosophical outlook. Potential issues raised by the course include existentialism in literature, symbolism and magical realism as literary styles, self-consciousness and structuralism in literary form, experimental fiction, the relationship of literature to political and cultural change, ethnocentrism and global consciousness, and the increasing emphasis in contemporary literature on the individual's responses to a bewildering, frustrating, and sometimes oppressive social context. [3 credits]

ENG-551 Literary Utopias

Analyzes pervasive themes and common concerns in utopian and dystopian visions of different times, starting with the genre-creating Renaissance classic, Thomas More's Utopia, and moving through the "nowheres" of 19th and 20th century writers like Butler, Bellamy, Zamiatin, LeGuin, and Piercy. Students trace political, philosophical, and scientific concepts underlying these imagined worlds, linking the concepts to theories of human nature on which they are based. Individual reports enhance seminar-style discussion. [3 credits]

ENG-558 Multicultural American Literature

Examines works by writers of various ethnic groups in twentieth- and twenty-first-century America, with emphasis on African American, Arab American, Asian American, Jewish American, Native American, and Latino American writings. Readings will come from several literary genres, including novels, short stories, and poetry, but students will also read theory and criticism relevant to recent work in ethnic and feminist studies. [3 credits]

ENG-698 Independent Study: Eng

Provides students with an opportunity to do in-depth study of an author, text, or genre.

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French (Minor)

Department of Classical and Modern Foreign Languages Department

Pamela O'Brien, Ph.D., *Dean, School of Arts, Sciences and Business*

Rachel L. Burk, Ph.D., *Chair*

Marcela Valencia, Ph.D.

Degrees offered

Minor

Campuses

Main Campus

Bienvenue à notre programme de français! Our program of study integrates exciting interactive technology, small classes, communication-focused coursework and individualized attention. Our students take French from the classroom into the NDMU community and the larger world via study abroad, service learning, language-exchange partners, internships and a partnership with the Alliance Française of Baltimore.

The French Minor requires 21 credit hours (7 courses) beginning at the 200-level. Students who place out of LFN-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LFN#LFN-233) and 234 will take 27 credits (six courses). All Minors, including native speakers, must take LFN-301 (https://catalog.ndm.edu/courses/list/index.php?dept=LFN#LFN-301) and LFN-302 (https://catalog.ndm.edu/courses/list/index.php?dept=LFN#LFN-302). Students who place into the 300-level must complete a minimum of 18 credits (six courses) in order to minor in the language. They may substitute one 300- or 400- level literature, culture or linguistics course for 233/234.

Required Courses for The French Minor

Language Skills:

LFR-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-233) French for Oral Proficiency (3)
LFR-234 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-234) French for Written Proficiency (3)
LFR-301 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-301) Advanced French Conversation and Composition I (3)
LFR-302 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-302) Advanced French Conversation and Composition II (3)

Introduction to the Discipline:

LFN-201 (https://catalog.ndm.edu/courses/list/index.php?dept=LFN#LFN-201) The World of Language (taught in English) (3)
LFR-258 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-258)* Readings in French and Francophone Literature (3)

**For native speakers who have successfully completed a literature course in English, LFR-258 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-258) should be replaced by one 300-level literature course in French.*

Culture and Civilization:

LFR-358 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-358) French and Francophone Culture and Civilization (3)

International studies Majors who minor in language are not required to take a culture course. They may complete the Minor with 18 credits (six courses).

Students who place into the 300-level must complete a minimum of 18 credits (six courses) in order to minor in French. They may substitute one 300- or 400- level literature, culture or Linguistics course for LFR-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-233)/234.

Forensic Psychology (Minor)

Psychology Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Nikeea Copeland Linder, Ph.D., *Chair*
Jon Stanton

Degrees offered

Minor

Campuses

Main Campus

The Minor in Forensic Psychology develops skills in counseling and communication with diverse populations, including victims and offenders. It is especially advantageous for careers that involve policymaking, community action, social research, or social services.

Required Courses

CRM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-101) Introduction to Criminology (3)

CRM-203 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-203) Theories of Crime and Social Deviance (3)

PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) Introductory Psychology (4)

PSY-205 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-205) Theories of Personality (3)

PSY-207 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-207) Psychopathology (3)

PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) Research Methods (4)

PSY-306 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-306) Theories and Techniques of Counseling (4)

PSY-409 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-409) Psychometrics (4)

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Health Science (Major)

Department

Pamela O'Brien, *Dean, School of Arts, Sciences and Business*

Degrees offered

Major

Campuses

Main Campus

NDMU's Health Science degree provides students access to an innovative opportunity to enroll in courses that help prepare them for multiple employment opportunities upon graduation, such as patient care advocate, health service managers, health communicators, health educators, clinical researchers, and public health advocates. The degree also prepares students to apply for graduate programs in areas such as Physician's Assistant, Occupational Therapy,

or other public health fields. Students will work closely with an advisor to ensure that they have taken all the necessary prerequisites for the advanced degree they wish to pursue.

The degree consists of 41-43 credit hours in interdisciplinary courses, including courses specifically created for the program. Twenty-nine credit hours (9 courses) will comprise the core of classes. There is one elective course (3-4 credits) from a list of 3 science courses, and three elective courses (9 credits) selected from an approved list of interdisciplinary courses. Students will work with their advisor to select the elective courses best suited for their career goal. The current modality of the program is face-to-face, and we plan to continue this primary modality, with the option of hybrid or occasional online sections if required to serve the student body.

Program Objectives

1. Apply the principles of scientific inquiry to investigate key issues in health care and public health,
2. Use pedagogy to improve health care delivery and advance knowledge in the field,
3. Utilize advanced communication, education and research skills to act as leaders in the fields of health care,
4. Consider ethical values and principles that are fundamental to the provision of health care services and research,
5. Critically analyze health science literature and utilize information correctly,
6. Demonstrate sensitivity to culturally diverse populations and their attitudes toward health and health care professionals,
7. Apply managerial and leadership concepts to real world business and clinical settings.

The Bachelor of Science in Health Science program builds upon a strong foundation in the sciences in order to expose students to a wide variety of careers in health care and related professions. The program's emphasis on interdisciplinary study, coupled with a liberal arts background, gives students the opportunity to explore different facets of health care and health-related professions before entering the work force or going on to specialized graduate programs. The multidisciplinary approach provides students with a highly competitive edge as they work with communities to make health care and medicine more understandable and accessible. While the degree is interdisciplinary in nature, it will be housed within the department of biology.

The learning objectives for the Health Science major complement the learning objectives for the recently approved General Education program revision. Both focus on critical thinking, study of diversity and identity, and civic responsibilities. Students will be able to take courses in the General Education curriculum that will help prepare them for further study in these areas within this new major:

- BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology (4 cr)

- MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics (3 cr)
- PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) Introduction to Psychology (4 cr)
- PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201) Introduction to Philosophy (3 cr)
- PHL-339 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-339) Medical Ethics (3 cr)
- COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Human Communication in the Digital World (3 cr)
- LCL-333 (https://catalog.ndm.edu/courses/list/index.php?dept=LCL#LCL-333) Medical Terminology (3 cr)
- LSP-150 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-150) Spanish for Health Professionals (3 cr)

Core Health Science Courses (29 cr)

BIO-201 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO) Human Anatomy and Physiology I (4)

BIO-202 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO) Human Anatomy and Physiology II (4)

HSC-150 (https://catalog.ndm.edu/courses/list/index.php?dept=HSC#HSC-150) Intro to Health Science (3)

HSC-310 (https://catalog.ndm.edu/courses/list/index.php?dept=HSC#HSC-310) Health Science Communication (3)

HSC-320 (https://catalog.ndm.edu/courses/list/index.php?dept=HSC#HSC-320) Legal and Current Trends in Health Science and Care (3)

HSC-373 (https://catalog.ndm.edu/courses/list/index.php?dept=HSC#HSC-373) Research in Health Care Assessment Planning and Evaluation (3)

HSC-461 (https://catalog.ndm.edu/courses/list/index.php?dept=HSC#HSC-461) Capstone (3)

PSY-205 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-205) Theories of Personality (3)

PSY-233 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-233) Human Growth and Development (3)

One course from the following (3-4cr)

BIO-260 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO) Genetics and Genomics for Clinical Practice (3)

OR BIO-239 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO) Genetics (4)

CHM-108 (http://catalog.ndm.edu/courses/list/index.php?dept=CHM) Survey of General, Organic and Biochemistry Principles (4)

PHY-101 (http://catalog.ndm.edu/courses/list/index.php?dept=PHY) General Physics I (4)

Three courses from the following (9-10cr)

BIO-253 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO) General Microbiology (4)

BUS-334 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO) Teamwork and Negotiation (3)

BUS-380 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO) Introduction to the U.S. Health Care System (3)

HSC-201 (https://catalog.ndm.edu/courses/list/index.php?dept=HSC#HSC-201) Cultural Humility in Healthcare (3)

HSC Topics in Health Sciences (3)

SOC-101 (http://catalog.ndm.edu/courses/list/index.php?dept=SOC) Introduction to Sociology (3)

Courses

BIO-201 Human Anatomy and Physiology I

Integrates the study of structure with function of the human body. As a suite of courses, BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and 202 are intended for students interested in satisfying requirements for pharmacy, nursing, and various allied health programs. The content and level of delivery of both BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and 202 are structured so that they are compatible with similar courses offered by cooperating institutions. BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) includes discussion of cellular, tissue, integumentary, skeletal, muscular and neural systems. Includes laboratory study of anatomical models of humans and skeletal components, and dissection of a cat. BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202) includes discussion of endocrine, circulatory, immunological, digestive, urinary and reproductive systems. Strongly emphasizes study of physiological functions that includes monitoring of body systems with analog and digital hardware. Each course includes three hours lecture and three hours laboratory. A competency exam covering basic chemistry and biology may be administered at the first class meeting and weighed in the final grade. To begin the course sequence, the student must complete BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) or the equivalent with a minimum grade of C or obtain permission of the instructor. BIO-201

(https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) with minimum grade of C is a prerequisite for BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202). [4 credits each term]

BIO-202 Human Anatomy and Physiology II

Integrates the study of structure with function of the human body. As a suite of courses, BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and 202 are intended for students interested in satisfying requirements for pharmacy and various allied health programs. The content and level of delivery of both BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and 202 are structured so that they are compatible with similar courses offered by cooperating institutions. BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) includes discussion of cellular, tissue, integumentary, skeletal, muscular and neural systems. Includes laboratory study of anatomical models of humans and skeletal components, and dissection of a cat. BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202) includes discussion of endocrine, circulatory, immunological, digestive, urinary and reproductive systems. Strongly emphasizes study of physiological functions that includes monitoring of body systems with analog and digital hardware. Each course includes three hours lecture and three hours laboratory. A competency exam covering basic chemistry and biology may be administered at the first class meeting and weighed in the final grade. To begin the course sequence, the student must complete BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) or the equivalent with a minimum grade of C or obtain permission of the instructor. BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) with minimum grade of C is a prerequisite for BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202). [4 credits each term]

BIO-239 Genetics

Considers the mechanisms by which biological information is stored, accessed, and passed on from one generation to the next from both Mendelian and molecular genetic perspectives. Introduces basic techniques of molecular biology such as bacterial transformations, gel electrophoresis, DNA sequencing and sequencing analysis. Includes the use of online databases such as Pub Med and sequence analysis tools such as BLAST. Three hours lecture and three hours laboratory. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) and CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110), each with a minimum grade of C or permission of instructor. [4 credits]

BIO-253 General Microbiology

Presents basic concepts of bacteriology, virology, mycology and parasitology with a special focus on bacteria and viruses. The structure, morphology and genetics of microbes will be investigated, as well as their requirements for and patterns of growth. Other topics will include the human microbiota, mechanisms of pathogenicity, basic host defense mechanisms, antimicrobial chemotherapy and the development of microbial drug resistance. Finally, the epidemiology of infectious diseases, along with the characteristics and methods utilized in the control of classic and emerging pathogens will be addressed. In the laboratory, students will learn basic aseptic transfer, staining and culture techniques required for the isolation, identification and enumeration of microbes, and will investigate various factors affecting microbial growth, including antiseptics, disinfectants and antimicrobial drugs. Three hours lecture and three hours laboratory. Pre-nursing students only. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) with a minimum grade of C. [4 credits]

BIO-260 Genetics & Genomics for Clinical Practice

Considers the basics of molecular and Mendelian genetics and how they apply to human medical conditions. Uses specific examples to demonstrate general principles of human diseases and conditions with genetic causes to demonstrate general principles of Mendelian and molecular genetics. Discusses medical applications of emerging genetic technologies. Introduces emerging concepts in the genetic and epigenetic causes of human disease. Pre-nursing students only. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) with a minimum grade of C or permission of instructor. [3 credits]

BUS-334 Teamwork and Negotiation

Analyzes the dynamics, structure and function of teams in businesses and other organizations. Examines the framework and components of conflict resolution and negotiation in both organizational and personal situations. Learners will assess and strengthen key interpersonal skills. This course utilizes active learning pedagogy extensively including role plays, small group exercises, and simulations. [3 credits]

BUS-380 Introduction to the U.S. Health Care System

Introduces the student to the organization and structure of the U.S. health care system, including institutions, health care professionals and government programs that influence the delivery of health care services. The student is also introduced to policy issues relating to access, efficiency and quality of health care services. [3 credits]

CHM-108 Survey of General, Organic and Biochemistry Principles

Emphasizes the fundamental principles that form the basis of general inorganic, organic and biochemistry that are pertinent to the health sciences. The following topics are covered: understanding the properties and reactivity of elements and compounds, chemical bonding and structure, chemical equations and calculations, acids/bases and solutions, behavior of gases, identification and reactions of fundamental groups, system of nomenclature and stereochemistry. Course also investigates the properties and reactions of important compounds such as carbohydrates, lipids, proteins and some pharmaceuticals. Use of practical applications will aid students in understanding chemical problems. Laboratory activities engage students in a variety of chemical experiments that enhance the understanding of lecture topics. Fulfills general education requirement in natural sciences for students in the nursing program. Satisfies the General Education requiremet for Natural Sciences. [4 credits]

HSC-150 Intro to Health Science

Ecourages awareness of the scope and details regarding the practice of various health care professions as well as the career possibilities. The historical and current U.S. health care system will be discussed including policies, areas of reform, and cultural awareness. Students will be introduced to key tems, role of health science professionals as part of a health care team, and provided an overview of the educational areas that will be explored further throughout the Health Science curriculum, and increase their understanding of health care as a whole. [3 credits]

HSC-201 Cultural Humility in Healthcare

Explores the skills and ideas necessary for culturally competent health care practice. Throughout this course the students will learn about other cultural value systems while exploring their understanding of their own cultural identity. The course will promote the development of skills and culturally sensitive behaviors that will enrich therapeutic, client-centered interactions. Prerequisite: HSC-150 (https://catalog.ndm.edu/courses/list/index.php?dept=HSC#HSC-150). Permission required for non-Majors. [3 credits]

HSC-320 Legal and Current Trends in Health Science and Care

Develops an overview of healthcare law, policy and future trends in health science and care. Students discover and discuss local, state and federal laws, regulatory mandates, healthcare policies and practices and appraise the risk related legal aspects of ethical cost-efficient and

effective current healthcare services systems. Corporate structure, legal liabilities, and risk management of healthcare institutions and professionals is studied from a federal, state and local legislative and regulatory perspective. Prereq: HSC 150. [3 Credits]

HSC-373 Research in Health Care Assessment Planning and Evaluation

Produces and overview of the fundamental skills needed to conduct research with community partners related to health assessments, program planning and evaluation of health programs. This course focused on research methodologies recommended for effectively and efficiently conducting research without interrupting organizational flow. Current technology and software necessary for the field will also be addressed. Applied research will engage students with community partners. Pre req: HSC 150 [3 credits]

HSC-461 Capstone

Examines the concepts of various aspects of health science and serves as a synthesis experience for the major. Students choose a topic in health care, review relevant literature, interview community members and develop, implement and evaluate a health promotion project. Achievement is evaluated through the use of rubrics, supervisor evaluation 3 letter and supervisor rubric scores (off-campus capstone experience), class presentations and a written summary of the health promotion project. Prerequisite: HSC-150 (https://catalog.ndm.edu/courses/list/index.php?dept=HSC#HSC-150). [3 credits]

PHY-101 General Physics I

Examines the fundamental physical laws of nature and their use in understanding natural phenomena. Course provides a knowledge base for study in all areas of science and mathematics. Topics include kinematics, conservation of energy and momentum, dynamics of motion, Newton's laws, rotational mechanics, and waves. Special topics such as the universal law of gravity and fluids will be covered depending on time and student interest. Development of the concepts of vector algebra and calculus are provided as needed. Three lectures, one three-hour laboratory weekly. Course must be taken with PHY-101L (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101L). Pre-requisites: MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107) or MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). Students intending to continue with PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) should take MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). [4 credits]

PSY-205 Theories of Personality

Explores the structure, processes and development of personality from major theoretical perspectives, including psychoanalytic, neoanalytic, humanistic, behavioral, social behavioral and trait approaches. Emphasizes the comprehension, application and contrast of theories of personality and the enhancement of the student's critical thinking skills. Prerequisite: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-233 Human Growth and Development

Explores the principles of developmental psychology from infancy through adulthood and includes general consideration of developmental tasks through the lifespan. Prerequisite: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

SOC-101 Introductory Sociology

Uses the sociological imagination to help explain what sociology is and how it is relevant to everyday life. Examines culture, social structure, socialization, social institutions, social inequality and social change. Topics include gender roles, deviance and social control, class, race and ethnic inequality, family, and work. Serves as a foundation course for students interested in the field of sociology and criminology. Fulfills general education requirement in social science and thinking critically and analytically. [3 credits]

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History (Minor)

History and Political Science Department

Pamela O'Brien, Ph.D., *Dean, School of Arts, Sciences and Business*

Jennifer L. Erdman, Ph.D., *Chair*

Anne E. Henderson, Ph.D.

Adam Knight, Ph.D.

Degrees offered

Minor

Campuses

Main Campus

Traditional Undergraduate

The Minor in History equips students to analyze and interpret events of the past with the goal of building a better future. It offers a strong grounding in political and cultural history in the United States and the world. The Minor is distinctive for its focus on the role of women in history, as well as issues of justice and peace throughout human history. It offers unique perspectives on historical

problems of war, revolution, genocide, racism, religious intolerance, and violence against women, and provides students with experiential learning opportunities to explore the contemporary implications of these issues.

Students must earn a minimum Cumulative Grade Point Average of 2.0 in all courses taken to complete the requirements of the History Minor.

The following courses fulfill the general education requirement in Thinking Critically and Analytically: HIS-228 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-228) World History Since 1500; HIS-250 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-250) History of American Pop Culture.

The following courses fulfill the general education requirement in Understanding and Valuing Diverse Identities and Perspectives: HIS-355 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-355) Women and Work.

The following courses fulfill the general education requirements

Thinking Critically and Analytically: HIS-217 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-217), HIS-228 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-228), HIS-250 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-250),

Understanding and Valuing Diverse Identities and Perspectives, Diversity: HIS-207 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-207), HIS-215 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-215), HIS-252 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-252), HIS-317 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-317), HIS-323 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-323)

Understanding and Valuing Diverse Identities and Perspectives, Intercultural: HIS-290 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-290), HIS-320 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-320), HIS-328 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-328), HIS-338 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-338)

Becoming an Engaged Citizen: HIS-160 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-160), HIS-216 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-216), HIS-219 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-219)

Programs of Study

Minor in History

The Department offers a Minor in History consisting of a minimum of 18 credits of course work in history. HIS-101 (http://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-101) Dynamics of History, HIS-228 (http://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-228) World History Since 1500 or HIS-456 (http://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-456) Junior/Senior Seminar in History is required. The other courses are chosen in consultation with the department chair. Students who wish to Minor in History should consult the department chair.

Courses

GEO-206 Geography of the Major Regions Of the World

Surveys the different regions of the world with a focus on the dynamic relationships among them. Considers physical, demographic, ethnic and economic differences. A requirement for elementary education/liberal studies students. [3 credits]

HIS-101 Dynamics of History

Introduces students to analysis of primary sources and to key aspects of critical thinking in history. Offers the opportunity to do history by exploring and interpreting print and online primary sources. Students consider the same historical materials as primary source, as written historical account (secondary source) and as film. A final project is an oral history interview. Fulfills general education requirement in history. [3 credits]

HIS-103 Ancient World

Concentrates on providing an overview of the birth, contributions and decline of classical civilization. Focuses on political, social, cultural and intellectual history of Greece and Rome. Fulfills general education requirement in history. [3 credits]

HIS-104 Early Europe: 800-1648

Concentrates on the cultural and institutional development of European self-consciousness as separate from its Greco-Roman origins. Emphasizes the development of European city-states and a divided Christianity. Fulfills the general education requirement in history. [3 credits]

HIS-160 Introduction to Peace Studies

This is an introduction to peace and justice studies. The course focuses on negative peace (i.e., eliminating direct violence, including war) as well as positive peace building (fostering an equitable economic system and ecological balance). The course analyzes the roots of violence and inequity as well antidotes to these problems. Fulfills general education requirement in cross-cultural studies, history and Engaged Citizenship. [3 credits]

HIS-200 Hrs: To Break the Killing Machine: Understanding, Preventing, and Overcoming Genocide

Examines the nature, causes and consequences of genocide in order to understand the possibilities and challenges of preventing genocidal violence in the future. The course introduced students to the controversies surrounding the definition and analysis of genocide. It begins with the contested question of what constitutes genocide, and how genocide stands apart from other forms of mass violence such as ethnic cleansing and massacres. The course then considers several approaches to theorizing the causes of genocide. In addition, we analyze the challenges of identifying potentially genocidal situations before the killing begins and of intervening to prevent and stop genocides. The course also studies processes of reconciliation in societies that have experienced, or teetered on, the brink of genocide. Using scholarly texts, works of fiction and films, we explore issues of causation, intervention and healing in cases including the colonial genocides of indigenous populations, the Holocaust, Rwanda, Cambodia, Bosnia, Kosovo, the Iraqi Kurds and Darfur. Ultimately, the course asks students to decide whether genocide is an inevitable scourge of the human condition or a tragic aberration that humanly has the power to transcord. [3 credits] Fulfills General Education Requirement: History

HIS-203 Colonial America

Examines the development of the British colonies in North America into autonomous entities. Accounts for their rebellion from Britain and considers the establishment of the new nation. Fulfills general education requirement in history. [3 credits]

HIS-206 The United States in the 19th Century

Surveys the development of the United States from the ratification of the 1789 Constitution to the transforming election of 1896. Explores the maturation of American political, economic, social, cultural and legal life in the period. Fulfills general education requirement in history. [3 credits]

HIS-207 Ethnic Groups in America

This course analyzes American history through the lens of ethnicity, including for those indigenoous to the United States and those who emigrated to the US. Included in this course will be the examination of intersectionality and systems of power and privilege. Special attention will be paid to historical iscriminatory patterns that continue to marginalize members of ethnic communities. Satisfies the General Education requirements in Impact of Diversity, history and cross-cultural studies. [3 credits]

HIS-208 The United States:1900-1945

Examines the transformation of the United States into an industrial-urban state and the impact of reform movements on American politics and life. Considers the rise of the United States as a world power. Fulfills general education requirement in history. [3 credits]

HIS-211 Introduction to East Asian Civilization

Focuses on major stages in the development of Chinese civilization from earliest times to about 1850. Also discusses the history of peoples who received their higher culture from China, such as the Japanese, and of nomadic groups that interacted with the Chinese over many centuries, such as the Mongols. Fulfills general education requirement in history and cross-cultural studies. [3 credits]

HIS-215 Women in American History

Surveys the historical significance of women's changing roles in American society from the colonial period to the present. Emphasizes differences on the basis of race, class and region. Fulfills general education requirements in history, gender studies, and Impact of Diversity. [3 credits]

HIS-216 The United States, 1945 to the Present

Examines major themes in United States history since 1945. It will compare contending political, social, and economic perspectives from this time period while examining selected ethical issues of the era. Students will engage in a team building exercise and engage in a civic and/or service learning project. This course satisfies the General Education requirements for Engaged Citizenship and history. [3 credits]

HIS-217 United States History Since 1865

Explores United States history from the end of the American Civil War to the present day. We will examine how the U.S. has changed socially, politically, demographically, economically, and ideologically since 1865. Students will discuss diverse perspectives and will also analyze primary and secondary sources to create a final project based on historical evidence. By the end of the semester, students will have identified several key themes of historical change, including the fight for human rights, the place of America in the world, economic development, and the political and social role of religion, gender, race, and sexuality. Satisfies General Education Requirements in Thinking Critically and Analytically and History. [3 credits]

HIS-219 The American Presidency

Examines presidential power, presidential elections, foreign and domestic policy, presidential decision-making, and relations with Congress with historic and contemporary examples. Fulfills general education requirement in Engaged Citizenship and history. [3 credits]

HIS-221 Early Modern Europe

Examines European history from the Renaissance to the French Revolution (ca. 1350-1800) in an investigation of the following question: Why and how did the modern world originate in previously backward Europe? Stresses use of primary sources. Fulfills general education requirement in history. [3 credits]

HIS-222 Europe: 1848 to Present

Examines the political and intellectual zenith of Europe in the 19th century and its decline during the two World Wars. We emphasize the changing intellectual outlook: imperialism, right- and left-wing totalitarianism, socialism, the formation of the European Union, the fall of communist governments in the east and current immigration problems. Fulfills general education requirement for history and cross-cultural studies. [3 credits]

HIS-228 World History Since 1500

Introduces students to the history of the modern world. Students will examine political, economic, and social changes of the last five centuries, focusing on the relations between societies and cultures and how they have shped the modern world. Emphasis will be placed on the rise of industry and technology, the changing role and nature of conflict, the worldwide evolution of political and religious ideologies, global and culture-specific shifts in gender roles, the development of international interdependence, and the impact of social movements on world history. Fulfills general education requirements for history and cross-cultural studies and thinking critically and analytically. [3 credits]

HIS-230 People and Life in Maryland

Examines the political, social and economic history of Maryland from the colonial period to the 20th century. Fulfills general education requirement in history. [3 credits]

HIS-233 Europe and the World

Examines Europe's changing world role from 1800 to the present. The course will focus on the major 19th century events as well as World War I, World War II, the Cold War and the post-Cold War periods. Fulfills general education requirements for history and cross-cultural studies. [3 credits]

HIS-235 Post-Communist Experience

Explores the evolution of communist beliefs and institutions across the breadth of the 20th century. Studies the weakening and ultimate disintegration of those beliefs and institutions in the Soviet Union and its satellites151one of the most significant clusters of world events of the late 20th century. Fulfills general education requirement in history. [3 credits]

HIS-242 Fashion and Power

Examines fashion as a manifestation of political and social power. Beginning in the 16th century and spanning the globe, the course explores how clothing and fashion have been produced, consumed, and deployed as tools of domination, imperialism, and profit--and also of self-expression, subversion and resistance. Students will analyze fashion in relation to identity (racial, religious, gender, class, cultural); social and political status; national and global hierarchies of power; and the assertion of human and cultural rights. Fulfills general education requirement in impact of diversity. [3 credits]

HIS-250 History of American Popular Culture

Examines popular culture throughout American history, from the colonial period to the modern era. Incorporates the analysis of film, television, music, theater, and the internet. Discusses the origins of American popular culture and how popular culture impacted and interacted with the United States politically, socially, and culturally. Fulfills general education requirement in Thinking Critically and Analytically. [3 credits]

HIS-252 Latin American History and Politics

Analyzes the history and politics of Latin America, studying how socieities evolved from the colonial period through independence and the formation of nations, military and personal dictatorships, and the current era of imperfect democratization. The course compares how the countries of Latin America have contended with issues of power and inequality, including income disparities, racial and ethnic discrimination, forced megration, environmental injustice, patriarchal gender norms, cultural divisions, and the fole of religion. It also evaluates the complex history of Latin American countries' unequal relationship with the United States. Fulfills general education requirements in history and impact of diversity. [3 credits]

HIS-260 Top/Themes Russian Hist

HIS-261 Winning the Vote: The History of Women's Suffrage in America

Uses primary and secondary sources to examine the struggle for women's suffrage from the colonial period to the 20th century. Focuses on suffrage leaders and the strategies they implemented to secure the right to vote for American women, with attention paid to racial and class differences. Fulfills general education requirements in history and gender studies. [3 credits]

HIS-290 Gender in Islamic Societies

Examines the historical development and current realities of gender roles in Islamic societies. The course explores the political, cultural and economic diversity of gender roles in Muslim countries in Europe, the Middle East, Africa and Asia. It examines how gender identities have been affected over time by international developments such as colonization, democratization, the rise of fundamentalism and globalization. Students learn how Muslims of all genders have defined themselves, and been defined, in the realms of political/social activism, work, the arts and culture, and family. In addition, students critically analyze Western perceptions and sterotypes of gender roles and identities in Islamic societies. Fulfills general education requirement in cross-cultural studies, gender studies, and the impact of diversity. Fulfills general education requirements in cross-cultural studies, gender studies and impact of diversity. [3 credits]

HIS-303 Women in the Ancient World

Examines the contributions of women to the making of the ancient world through a study of their lives and writings. Looks briefly at women in Mesopotamia and Egypt; then focuses primarily on women in ancient Greece and Rome. Fulfills general education requirements in history and gender studies. [3 credits]

HIS-312 From the Poor House to the Great Society: A History of Welfare in the United States

Examines changes in the delivery of aid to poor Americans from a system of charity by private institutions to one of public welfare provided by the state. Explores the "feminization of poverty" and the ways in which race, ethnicity, class, region and age affected the provision of services. Fulfills general education requirement in history and gender studies. [3 credits]

HIS-317 The African American Experience

Examines the experiences of African Americans in the United States from the 17th century to the civil rights movement of the mid-20th century. Fulfills general education requirements in history, cross-cultural studies and Impact of Diversity. [3 credits]

HIS-320 The African Diaspora

Examines the historical experiences of Africans in the African Diaspora with a focus on the international dimensions and commonalities. Studies the creation and definition of the African Diaspora as well as the distinct cultural perspectives that make up the Diaspora. Identifies the chronology of significant events in Diaspora history, and the struggle by Africans to obtain social, political and economic equality in their respective global locations. Satisfies the General Education requirement in Intercultural Knowledge, history, and cross-cultural studies. [3 credits]

HIS-323 Black Women in American History

Examines the historical experiences of African American women from the colonial period to the present. Focuses on the impact of race, culture and ethnicity; the chronology of significant events in African American women's history; significant contributions by African American women; and the struggle for social, political and economic equality. Fulfills general education requirements in history, gender studies and Impact of Diversity. [3 credits]

HIS-325 Revolution and Terrorism

Traces the causes, patterns and outcomes of 20th century Revolutions, and analyzes the similarities and differences between revolutionary movements and guerrilla and terrorist groups. The course looks at the ideological, ethnic and religious terrorist groups with a special emphasis on religious terrorism and its worldwide impact. Fulfills general education requirements in history and cross-cultural studies. [3 credits]

HIS-327 Slave Freed/Afr Am Exp Md

This course examines the African-American experience in Maryland from the colonial period until the Civil War. The daily life of slaves and free blacks is examined as well as the struggle for freedom. The relationship and attitudes of white Marylanders toward their African-American neighbors is explored in terms of the state's policies regarding slaves and free blacks. The course also examines how Maryland's position as a border state with northern and southern characteristics and sentiments affected these policies. Fulfills General Education requirements for history and Cross-cultural Studies. 3 credits.

HIS-328 Post-Colonial Africa

Focuses on helping students understand the socioeconomic, political and cultural development of Africa in the post-colonial era. Students examine the struggle for and acquisition of independence from European powers, the experiences of early post-colonial regimes, and the threat of post-colonialism. Fulfills general education requirements in history and cross-cultural studies. [3 credits]



HIS-331 Modern China

Illuminates today?s China by examining central themes in the modern revolution there, from 1850 to the present time. Focuses also on fundamental social and political change as human experience in Chinese literature and autobiographical writing. Fulfills general education requirements in history and cross-cultural studies. [3 credits]

HIS-335 Modern Japan

Studies the modern transformation of Japan from the mid-19th century to the present day. Focuses especially on distinctive patterns of Japanese society and their influence on modernization, characteristics of Japanese cultural identity vis-?-vis the West, key factors in Japan's economic life and problems in Japanese-American relations. Fulfills general education requirements in history and cross-cultural studies. [3 credits]

HIS-338 Russia Since 1917

Examines multiple perspectives on the history of the Russian Revolution and the Soviet Union, and on how that history has influenced today's Russia. Focuses on how Russian culture and history have shaped, and been shaped by, Russia's interaction with other nations. Paying particular attention to Russia's transformation since the collapse of the Soviet Union, the course analyses how the turbulent evolution of Russian culture, political, and economic institutions could affect the future of Europe and the world. Fulfills general education requirements in history and intercultural knowledge. [3 credits]

HIS-340 History of the Holocaust

Uses original and secondary sources, including memoirs, survivor and perpetrator testimonies, films, and scholarly texts, to examine the history of the Holocaust. Examines the nature, causes, and consequences of the Holocaust, and introduces students to the controversies surrounding its analysis, meaning, and legacies. Fulfills the General Education Requirement for History. [3 credits]

HIS-346 History of Middle Eastern Politics

Engages in a comprehensive analytical examination of Middle East politics with a special focus on four problem relationships: The Israelis and the Palestinians; the Arabs and the Persians; the Turks and the Kurds; and the Indians and the Palestinians. The role of the United States in each of these conflicts--as well as the continuing unrest in Afghanistan, Kuwait, Saudi Arabia and Iraq151will be discussed. The Palestinian situation will be a topic of intense concentration. Fulfills the general education requirements in history and cross-cultural studies. [3 credits]

HIS-350 Harlots and Helpmates: The History of Women in Europe, 1750-1945

Examines the changing relationship of European women to the family, the workplace and the state during the 19th and 20th centuries. Places particular emphasis on French and English women. Fulfills general education requirements in history and gender studies. [3 credits]

HIS-352 Honors: Educating Women in the United States

Examines women's education from the colonial period through the mid-20th century. Pays particular attention to the contributions of key educators and on the ways race, class, ethnicity and gender shaped decisions about who was to be educated, by whom, and for what purpose. Assesses contemporary issues in women's education. Prerequisite: Morrissy scholar or permission. Fulfills the general education requirements in history and gender studies. [3 credits]

HIS-355 Women and Work: The American Experience

Examines the historical origins of the current status of women in the American work force with a focus on the effects of technological and economic change, on social attitudes toward working women, and on women's efforts at unionization. Pays attention to differences among women on the basis of race and class. Fulfills general education requirements in history and gender studies and impact of diversity. [3 credits]

HIS-370 Honors: The City in History

Considers the reality that, before 1800, most people everywhere lived in rural villages or small towns, in a world of long-familiar faces. More recently, many have lived in cities of more than one million in population in what one sociologist calls a "world of strangers." What difference does it make? How does society control individuals in a big city? How do individuals experience urban life? Social scientists have long debated these questions, and the course examines the major answers that they have proposed. It also considers the implications of those answers for the solution of today's city problems. Prerequisite: Morrissy scholar or permission. Fulfills general education requirements in history and cross-cultural studies. [3 credits]

HIS-372 Classical Archeology

Studies the material remains of ancient Greece and Rome. In addition to printed materials, uses films, slides and Internet access to examine and discuss several major archaeological sites and the effect of their excavation on our knowledge of the ancient world. Fulfills general education requirement in history. [3 credits]

HIS-380 History and Politics of Conspiracy Theories

Examines the history and political impact of conspiracies and conspiracy theories throughout American History. Many believe that conspiracies are a 21st century phenomenon, yet they have impacted the social, economic, and political fabric of the United States for centuries. This course will explore both legitimate conspiracies as well as conspiracy theories, along with their consequences. Students will be able to identify the characteristics of a conspiracy theory by enhancing their media literacy and civic awareness. Satisfies the General Education requirement in History and Engaged Citizenship. [3 credits]

HIS-390 Environmental Policy at the U. S. State and National Level

Focuses on U.S. state and national environmental policies regarding air and water pollution, use of public lands, climate change and alternative energy sources. The course will also focus on risk assessment, environmental justice issues, and new and emergent attitudes regarding them. Students will analyze the historical development of policies as well as current and evolving political processes and the debates surrounding them. Students will engage in a team building exercise and will participate in either a civic participation and/or a service learning project. Satisfies the General Education in Engaged Citizenship. Registration is limited to sophomores, juniors, and seniors. First year-students may register with instructor permission. [3 credits]

HIS-402 Women, War and Peace

Examines the wartime experiences of women. Addresses question of how perceptions of women and "female nature" inform attitudes about women's wartime roles. Uses historical monographs, literature, art and film to examine and evaluate the relationship between war and gender. Also assesses women's role in the international peace movement. Fulfills general education requirements in history and gender studies. [3 credits].

HIS-404 United States Foreign Relations in the 20th Century

Examines United States foreign relations from 1900 to the post-Cold War Era. Focuses on the Cold War, its aftermath and the fallout from September 11. Fulfills general education requirement in history. [3 credits]

HIS-410 Law and Society in America

Explores the history of law in the United States from the colonial period to the present. Considers the symbiotic relationship of law and social/political developments. Fulfills general education requirement in history. [3 credits]



HIS-427 Study Tour

Combines study with travel to various parts of the world. Organized by faculty members of the department. Offered periodically in summer and Winterim. [3 credits]

HIS-456 Senior Seminar in History

Applies ideas, methods, and approaches from history, political science, and international studies to the exploration of selected topics. Students situate their discipline within the context of related fields, while also advancing the skills necessary for professional work in their own areas. In this team-taught course, history majors address the selected topic through focusing on the history of history, the politics of history, and the art of writing history based on original sources. All students will, in consultation with their professors, select, design and write an original research paper to be presented to the class at the end of the semester. Serves as the capstone course for history, political science, and international studies majors and minors eliminate prerequisites. [3 credits]

HIS-463 Independent Study in History

Provides opportunities for individual study of a specific topic of special interest in history, usually involving research under the guidance of faculty of the department. [2-6 credits]

HIS-465 Directed Readings: Selected Topics in History

Provides an opportunity for individualized study, under the guidance of a department member, with regular discussions of written works. Permits a student to do an intensive examination of an area or topic of special interest. [3-4 credits]

HIS-527 Study Tour

Notre Dame of Maryland University
(http://www.ndm.edu/)
4701 North Charles Street
Baltimore, Maryland 21210

410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0&z=15)

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Hospitality: See Leadership in Hospitality and Event Management

See Leadership in Hospitality and Event Management in the Table of Contents.

Notre Dame of Maryland University
(http://www.ndm.edu/)
4701 North Charles Street
Baltimore, Maryland 21210

410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0&z=15)

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Interactive Communication Strategies (Major, Minor)

Communication Arts Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Britt Christensen, Ph.D., *Coordinator*
Susie McShea, MA, APR
Pamela O'Brien, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus

The Interactive Communication Strategies Program of Study combines vital coursework from Business, Computer Studies, and Communication Arts into a coherent curriculum applicable to the smallest of entrepreneurial start-ups or the

largest of global corporations. The Program of Study stresses technological proficiency, organizational planning as well as strong writing, speaking, and critical thinking skills.

Summary

The Interactive Communication Strategies Program of Study in the School of Arts and Sciences offers a Major to students in the College of Adult Undergraduate Studies. Integrating courses in Business, Communication Arts and Computer Studies, the Major in Interactive Communication Strategies serves students whose primary interest is the communication function in organizations and prepares them to succeed in managerial positions in diverse types of organizations. Using their expertise in technology, graduates of this program are able to communicate effectively through organizational channels and to exercise leadership in helping organizations achieve desired strategic goals.

Organizations and their managers face many challenges in a world changing at an ever-increasing pace. Effective, timely, and accurate communication networks, communication processes, and information management are critical strategic imperatives for every organization. The Internet, global markets, and 24/7 competition place increased importance on the manager's role in communication and information management in every organization, from the largest corporations, to the entrepreneurial start-up, to the government agency, to the university or to the non-profit sector.

The Major enables students to meet these challenges through an understanding of theoretical models and principles from the fields of Communication, Computer Studies, and Management. Students test the practical applications of their learning to current professional problems and concerns of the workplace. The Program emphasizes the design and implementation of communication and information management plans with an emphasis on managerial roles and responsibilities. Proficiency in the application of technology to organizational planning and operations is stressed, as well as strengthening student writing, speaking, and critical thinking skills.

The educational goals of the Interactive Communication Strategies major are as follows:

- Provide a multidisciplinary curriculum based in the liberal arts,
- Prepare students for the complexities of managing communication and information technology in today's organizations,
- Present a unique and diversified curriculum that will prepare students for professional positions and provide current professionals with opportunities for career advancement, and,
- Expose students to the ethical standards required in the management and communication of information

The curriculum supports students who aspire to management roles in diverse organizational areas, such as communication, information technology, entrepreneurship and administration. This degree program has direct linkages to positions in training and development, public administration,

business, customer services, institutional administration, education, sales, marketing, consulting, operations, information technology and strategic planning.

Some Interactive Communication Strategies courses are online.

A Minor in Interactive Communication Strategies is available by completing two courses listed in each area: business, communication arts and computer studies.

Students must earn a minimum grade of C in all courses taken to complete the requirements of the Major.

Program of Study

The Interactive Communication Strategies major requires 39 credits (13 three-credit courses).

Course descriptions may be found in their respective discipline listings.

Interactive Communication Strategies Core Curriculum

COM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-101) Introduction to Media Writing
COM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-210) Social Media
COM-313 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-313) Digital Media Skills
COM-430 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-430) Strategic Communication
CST-130 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-130) Introduction to Computer Applications
CST-261 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-261) Web Page Design
CST-355 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-355) Project Management
BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing
BUS-310 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-310) Professional Communications
BUS-334 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-334) Teamwork and Negotiation

Electives

BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225) Data Analysis

BUS-400 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-400) Leadership

BUS-411 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-411) Special Topics in Business

COM-203 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-203) Media Writing

COM-319 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-319) Advertising and Analytics

COM-310 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-310) Media Literacy

COM-314 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-314) Reporting and Writing News

COM-331 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-331) Public Relations

COM-356 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-356) Communication Research methods

COM-375 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-375) Event Planning

COM-401 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-401) Writing for the Web

COM-403 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-403) Organizational Communication

COM-411 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-411) Special Topics in Communication Arts

DMA-100 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-100) Intro to Design Systems

DMA-102 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-102) Fundamentals of Design

DMA-411 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-411) Special Topics in Digital Media

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Courses

BUS-203 Principles of Marketing

Introduces the language of marketing and examines the strategic marketing process. While formulating viable marketing strategies for diverse business situations, learners will gain experience gathering and analyzing industry and market data, as well as implementing core-marketing concepts such as market segmentation, targeting, positioning, and

the marketing mix in the formulation and implementation of real-world marketing strategies. This course culminates in the development of a marketing plan for a new product, service or retail establishment. [3 credits]

BUS-225 Data Analysis for Business Decisions I

Emphasizes the foundation areas of data management, interpretation, and analysis. The course focuses on methods tomanage and explain data, describe and interpret data quantitatively using statistical techniques, and apply the results to make better management decisions. Data Analysis involves using statistical methods to understand and interpret data acquired in business applications. In this course students will learn techniques to manage data using Excel tools, explain data through charts and graphs, and describe and interpret data in probabilistic terms. [3 credits]

BUS-310 Professional Communications

Explores communications contexts within organizations and refines written and oral communications skills used in business and professional settings. Emphasizes appropriateness, effectiveness, and nuance while taking into consideration situation, audience, and delivery mode. Learners use common business communications tools and technologies as well as social media. Prerequisite: ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) or NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) (honors section). [3 credits]

BUS-334 Teamwork and Negotiation

Analyzes the dynamics, structure and function of teams in businesses and other organizations. Examines the framework and components of conflict resolution and negotiation in both organizational and personal situations. Learners will assess and strengthen key interpersonal skills. This course utilizes active learning pedagogy extensively including role plays, small group exercises, and simulations. [3 credits]

BUS-400 Leadership

Identifies important leadership concepts used to critically evaluate students' perceptions about leadership and describe relevant leadership attitudes, behaviors, and skills. Incorporates a variety of experiences including self-assessment, skill development, and small group team activities to strengthen personal and organizational leadership. Integrates course learning, experience and feedback to assess individual leadership skills and identify personal development needs. Prerequisites: Junior/Senior standing. [3 credits]

BUS-411 Topics in Business

Explores contemporary topics in business such as non-positional leadership, leadership's dark side, managing human capital, healthcare and sports marketing. [3 credits]

COM-101 Introduction to Media Writing

Explores the various types of writing and rhetorical approaches used in crafting messages for the mass media. Provides experience in writing for journalistic, broadcasting, public relations and advertising needs, with diagnostic attention given to the individual student's writing skills. Writing requirements of the Web and digital media are previewed. Intensive laboratory work assists the student in improvement of skills. Offered in Women's College only. Prerequisite: ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) or permission of department. [3 credits]

COM-203 Media Writing

Provides instruction in writing for print, broadcast, advertising, public relations and new online media. Students will learn skills for adapting written content to various media platforms. Additionally, writing objectively, developing story ideas, proper citation of sources, audience considerations, legal and ethical issues, information gathering, interviewing and fact checking are some of the concepts covered by this course. Prerequisite ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101). [3 credits]

COM-210 Social Media

Engages students in a theoretical and critical look at the incursion of social media (such as blogs, Facebook, Twitter) into human communication processes and considers the implications of use of these media for the future of communication. [3 credits]

COM-310 Media Literacy

Explores visual and audio literacy through the balance of critical consumption and production skills. Employs a series of units in which students decode complex visual and audio images and then move to composition in both visual and auditory production. Creation of a Web-based portfolio is the culminating unit. [3 credits]

COM-313 Digital Media Skills

Provides hands-on experience in the use of digital and social media in professional contexts in the communication fields. Students will complete a number of projects applicable to professional situations that will enhance the job-search portfolio. [3 credits]

COM-314 Reporting and Writing News

Stresses the writing of accurate and stylistically compelling news and information and the development of interviewing skills. Students will use digital media and new technologies necessary for covering stories and preparing news packages in the field. Mobile reporting and convergence are stressed. [3 credits]

COM-319 Advertising and Analytics

Provides a foundation in the principles of advertising and studies the advertising media. Includes the planning of advertising strategy and making ads. Practical assignments advance understanding of key message objectives, copywriting principles and ad design principles introduced in COM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-101). Discusses social and economic aspects of advertising and advertising research. [3 credits]

COM-331 Public Relations

Takes a social science approach to the study of public relations as relationship management. Examines communication strategies for reaching various publics and stakeholders. Provides practical experience in planning and writing publicity and public relations materials to reach communication goals. Opportunities to produce materials for the professional portfolio. [3 credits]

COM-356 Communication Research Methods

Serves as an introduction to research methods in the communication field, detailing how to gather and analyze data about communication processes and their effects. Emphasizes the relevance of research to helping communication practitioners make sound decisions in applied settings (e.g., print, video, advertising, public relations and interpersonal relations). In workshop and small group settings, students learn how to formulate and pursue research questions of interest. Prerequisites: COM-131 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-131), COM-201 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-201). [3 credits]

COM-375 Event Planning

Provides an overview of the necessary preparations for planning a major event. Course work includes a survey of the types of events, venue selection, catering, marketing and promotions, networking, budgeting, execution and evaluation of events. [3 credits]

COM-401 Writing for the Web

Explores techniques for making the transition from writing for traditional mass media to writing for online media. Teaches students to use online resources and produce online messages and

"articles" of various types. Provides opportunities to develop materials for the professional portfolio. [3 credits]

COM-403 Organizational Communication

Studies communication systems, structure, problems and solutions within complex organizations, such as business corporations, governmental agencies, hospitals and schools. Students develop practical plans to improve communication within organizations. [3 credits]

COM-430 Strategic Communication

Serves as the capstone course for the corporate communications program; requires students to apply their knowledge from the program's core subjects in the analysis of communication, technology, and business problems reflected in case studies of specific organizations. [3 credits]

DMA-100 Introduction to Design Systems

Explore the depth of Adobe's industry-leading software suite in this intensive and hands-on course. Designed to provide students with a comprehensive understanding and practical expertise, Adobe Creative Cloud offers a robust set of creative tools widely used in professional fields [3 credits]

DMA-411 Topics in Digital Media

Surveys current topics of interest within the field of graphic design, video, animation, web and social media. Projects in typography, book design, motion, digital imaging and a variety of other methods will be addressed in different sessions to complete the course portfolio. May be taken more than once on different topics. Prerequisite: will differ depending on topic. [3 credits]

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410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0&z=15)

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International Business (Major)

Business and Economics Department Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Leslie A. Korb, Ph.D., *Department Chair*
Ademar Bechtold, Ph.D., *Program Coordinator*

Degrees offered

Major

Campuses

Main Campus

The International Business major is offered to traditional undergraduate students. Students completing the major acquire the business, trade, cultural, international affairs, and language skills to become successful leaders in the competitive global marketplace.

Summary

Traditional Undergraduate

The world of business is changing as national economies merge into an interdependent and global economic system where more firms, large and small, become international in scope. The International Business major provides a strong foundation of knowledge and skills to deal with the complexities that arise from doing business in different countries. International business students learn how to take advantage of globalization to minimize costs and to maximize value added for their companies. They learn how to evaluate exports, imports, licensing, joint ventures and foreign investment opportunities by gaining knowledge of international trade and investment rules. They also learn how to manage risks associated with international transactions, by learning how to manage payment and foreign exchange risks.

Students who complete the International Business major think globally about employment, production, sales, and investment. They apply business techniques and theories adopted by global enterprises to assess the current global trade and investment environment and its links to the political economy and the global monetary system. Graduates will be able to communicate and work effectively with people in other countries and cultures, as well as to formulate international business plans. They will be models of cross-cultural awareness through teaching, scholarship, and community outreach - with special emphasis on culture, ethics, and business practices and protocols in different countries.

Knowledge of international business has become important in several fields, including public relations, human resources, marketing, advertising, finance, and management. Students with an international business degree have many employment opportunities. These include marketing manager, brand manager, global logistics manager, project manager, public relations specialist, training specialist, labor relations manager, human resource manager, financial analyst, sales manager, import/export agent, entrepreneur, and management analyst.

A grade of C or better is required for all courses in the International Business Major.

Program of Study

Required Courses for a Major in International Business

BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Principles of Management (3)

BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing (3)

BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225) Data Analysis for Business Decisions (3)

BUS-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-253) Financial Accounting (3)

BUS-321 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-321) Corporate Financial Management (3)

BUS-334 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-334) Teamwork and Negotiation (3)

BUS-350 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-350) International Business (3)

BUS-442 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-442) International Finance (3)

BUS-450 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-450) International Business Capstone (3)

ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Introduction to Macroeconomics or ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Introduction to Microeconomics (3)

ECO-404 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-404) International Economics (3)

POL-103 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-103) Introduction to International Affairs (3)

POL-351 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-351) Problems of Developing Nations or POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues (3)

POL-401 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401) Political and Economic Globalization (3)

Foreign language skill level: one course beyond the general education requirement (3)

Study Aboard, short term study tour or internship (3-4)

Computer Competency

A computer competency is required. A student may demonstrate this competency by one of two methods: completing CST-130 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-130) Introduction to Microcomputer Applications (or a comparable course) or earning a passing score of 70% on the CST-130 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-130) Challenge Exam.

International Business Majors must fulfill the General Education Math Requirement with MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103) Applied Algebra, College Algebra or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) Calculus.

Four-Year Plan

Below is a sample Program of Study for the International Business major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
BUS-105 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-105) or elective	3	ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) or ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212)	3

General Education/Electives	6	Foreign language 102	3
POL-103 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-103)	3	General education/Electives	6
Foreign language 101	3	[15 credits]	
[15 credits]			

Second year

BUS-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-253)	3	BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225)	3
BUS-302 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-302)	3	BUS-303 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-303)	3
POL-351 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-351) and General Education	6	General Education/Electives	6
Foreign language 103	3	Foreign language 200 level	3
[15 credits]		[15 credits]	

Third year

BUS-321 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-321)	3	BUS-350 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-350)	3
BUS-334 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-334)	3	BUS-442 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-442)	3
Internship or study tour	3	General Education/Electives	9
General Education/Electives	6	[15 credits]	
[15 credits]			

Fourth year

POL-401 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401)	3	ECO-404 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-404)	3
BUS-442 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-442)	3	BUS-450 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-450)	3
General Education/Electives	9	General Education/Electives	9
[15 credits]		[15 credits]	

Note: For course descriptions, see listings in Business, Economics, and Political Science Catalog sections.

Accreditation

Accreditation Council for Business Schools & Programs (http://www.acbsp.org/) (ACBSP)

ACBSP promotes excellence in business education. It focuses on strong student learning outcomes and teaching excellence.

Notre Dame of Maryland University
(http://www.ndm.edu/)
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Baltimore, Maryland 21210

410-435-0100 (tel:4104350100)
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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

International Studies (Major)

History and Political Science Department

Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Anne E. Henderson, Ph.D., *Coordinator*

Degrees offered

Major
Minor

Campuses

Main Campus

The International Studies Program in the College of Arts, Sciences, and Business offers a Major and Minor to traditional undergraduate students. The program develops the global knowledge and skills students will need in order to thrive in an increasingly interconnected world. Courses in International Studies are drawn from the Political Science and History, Business and Economics, and Modern Foreign Languages Departments. The Program fosters an understanding of different cultures as well as the institutions, ideas and policies that determine how nations relate to each other in the 21st century. An off-campus experience in the form of an internship,

study abroad semester or study tour provides the student with opportunities to immerse herself in another culture and to apply her knowledge in a realistic setting while increasing her awareness of career possibilities in the field.

Summary

International Studies students choose a specialization in International Relations or International Business, and can Minor in Latin American Studies or Peace and Justice Studies.

Students must earn a minimum cumulative grade point average of 2.0 in all courses taken to complete the requirements of the Major.

Programs of Study

Required Core Courses for a Major in International Studies (30 Credits)

POL-103 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-103) Introduction to International Affairs (3)
POL-401 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401) Political and Economic Globalization (3)
HIS/POL 456 Senior Seminar (3)

Four of the following courses

POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues (3)
HIS-325 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-325)/POL-325 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-325) Revolution and Terrorism (3)
HIS-404 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-404) U.S. Foreign Relations (3)
HIS-233 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-233) Europe and the World (3)
POL-351 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-351) Problems of Developing Nations (3)

Off-campus experience (one of the following) (3+ credits)

Internship (IDS-361 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-361), 461)
Study tour
Study abroad semester

Foreign language*

Two courses beyond the General Education Requirement (one may be a culture course in the foreign language) (6)

**International Studies students may take LEF-203 (https://catalog.ndm.edu/courses/list/index.php?dept=LEF#LEF-203) English: Conversation for International Students or LEF-204 (https://catalog.ndm.edu/courses/list/index.php?dept=LEF#LEF-204) English: Composition for*

International Students to fulfill the language requirement for the Major, or may be exempted from the language requirement if they test above LEF-203 (https://catalog.ndm.edu/courses/list/index.php?dept=LEF#LEF-203) or LEF-204 (https://catalog.ndm.edu/courses/list/index.php?dept=LEF#LEF-204).

International Studies with a Specialization in International Relations

In addition to the required Core courses:

POL-361 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-361) Methods in Political Science Research (3)

HIS/POL-430 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-430) International Organizations and World Politics (3)

Three of the following courses:

HIS-200 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-200)/POL-200 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-200) Genocide (3)

HIS-222 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-222) Europe, 1848-Present (3)

HIS-252 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-252)/POL-252 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-252) Latin American History and Politics (3)

HIS-290 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-290)/POL-290 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-290) Women in Islamic Societies (3)

HIS-328 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-328) Post-Colonial Africa (3)

HIS-331 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-331) Modern China (3)

HIS-335 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-335) Modern Japan (3)

HIS-338 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-338) Russia Since 1917 (3)

POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Model OAS (3)

International Studies with a Specialization in International Relations - Four-Year Plan

Below is a sample Program of Study for the International Studies -International Relations Major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives in Education	3	Philosophy (200- level)	3

ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Communication	3
POL-103 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-103) Introduction to International Affairs	3	HIS/POL-290 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-290) Women in Islamic Societies or HIS/POL-200 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-200) Genocide	3
Foreign Language	3	Foreign Language	3
General Education/Elective	3	MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Statistics	3
[15 credits]		[15 credits]	
Second year			
ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Macroeconomics or ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Microeconomics	3	HIS-338 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-338) Russia Since 1917	3
HIS-252 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-252)/POL-252 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-252) Latin American History & Politics	3	Foreign Language	3
Foreign Language	3	Natural Science	4
Philosophy (300-level)	3	Literature	3
Physical Education	1	General Education/Electives	3
General Education/Elective	3	[16 credits]	
[16 credits]			
Third year			

HIS/POL-325 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-325) Revolution/Terrorism or HIS/POL-404 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-404) U.S. Foreign Relations	3	HIS-328 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-328) Post Colonial Africa	3
Foreign Language	3	General Education/Elective	6
General Education/Electives	9	Internship or study tour	3
[15 credits]		POL-351 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-351) Problems Developing Nations	3
		[15 credits]	
Fourth year			
POL-361 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-361) Methods in Research	3	POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues	3
POL-430 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-430) International Organizations	3	HIS-233 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-233) Europe and the World	3
HIS/POL-elective	3	POL-401 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401) Political and Economic Globalization	3
Major elective	3	HIS/POL-456 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-456) Capstone Seminar	3
General Education/Elective	3	General Education/Elective	3
[15 credits]		[15 credits]	

International Studies with a Specialization in International Business

In addition to the required Core courses:

BUS-261 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-261) Managing Financial Resources (3)

BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Principles of

Management (3)

BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing (3)

BUS-350 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-350) International Business (3)

ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Introduction to Macroeconomics (3)

ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Introduction to Microeconomics (3)

ECO-404 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-404) International Economics (3)

International Studies with a Specialization in International Business - Four-Year Plan

Below is a sample Program of Study for the International Studies -International Relations Major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives in Education	3	General Education/Electives	3
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Communication	3
POL-103 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-103) Introduction to International Affairs	3	MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Statistics	3
Foreign Language	3	ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Macroeconomics or ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Microeconomics	3

BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Principles of Management	3	BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing	3
[15 credits]		[15 credits]	
Second year			
ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Macroeconomics or ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Microeconomics	3	Foreign Language	3
Foreign Language	3	BUS-261 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-261) Managing Financial Resources	3
General Education/Elective	9	General Education/Elective	9
[15 credits]		[15 credits]	
Third year			
Literature	3	BUS-350 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-350) International Business	3
Internship or study tour	3	HIS-233 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-233)/POL-233 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-233) Europe and the World	3
Major Elective	3	POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues	3
General Education/Electives	6	Major Elective	3
		General Education/Elective	3
[15 credits]		[15 credits]	
Fourth year			

ECO-404 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-404) International Economics	3	POL-351 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-351) Problems of Developing Nations OR HIS-404 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-404)/POL-404 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-404) U.S. Foreign Relations	3
POL-401 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401) Political and Economic Globalization	3	HIS-325 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-325)/POL-325 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-325) Revolution and Terrorism	3
Internship or Study Tour	3	Major Elective	3
Major elective	3	General Education/Elective	6
General Education/Elective	3	[15 credits]	
[15 credits]			

Minor in International Studies

The department offers a minor in International Studies consisting of minimum 18 credits of course work. Students who wish to minor in International Studies should consult the program coordinator.

For course descriptions, see listings in the following programs: Business, Economics, History, Languages and Political Science.

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Latin American Studies (Minor)

Anne E. Henderson, Ph.D., Coordinator

The Latin American Studies Minor is an interdisciplinary program for traditional undergraduate students offering the opportunity to focus on the rich diversity of the Latin American region. The combination of courses in the history, culture, politics, and economics of the region, combined with proficiency in Spanish, enhances student awareness and understanding of this complex area and its people.

The Program is designed for students who wish to specialize in Latin America and those for whom a deeper knowledge of the region would complement careers in business, education, foreign affairs, government, journalism, law, medicine, religion or humanitarian work.

The Minor consists of six courses (18 credits) and must include two courses in Spanish above the General Education Requirement (one skills course, and one literature or culture course). The remaining four courses may be selected from business, economics, history or political science, according to individual interests. No more than two courses applied to the student's Major may be applied to the Latin American Studies Minor.

Study abroad is strongly recommended. No more than two courses toward the Minor may be taken through any one study abroad program. One study tour to Latin America may count toward the Minor. One course or study tour from any area school participating in the consortium may count toward the Minor, subject to approval by the Notre Dame Minor advisor.

Back to top

Program of Study

One skills course in Spanish, chosen from

LSP-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) Spanish for Oral Proficiency
LSP-234 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-234) Spanish for Written Proficiency
LSP-301 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-301)/302 Advanced Spanish Conversation and Composition I, II

One literature or culture course in Spanish, chosen from

LSP-258 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-258) Readings in Hispanic Literature
LSP-310 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-310) Survey of Masterpieces in Latin American Literature I
LSP-311 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-311) Survey of Masterpieces in Latin American Literature II
LSP-359 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-359) Latin American Culture and Civilization
LSP-401 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-401) Topics in Spanish
LSP-463 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-463) Independent Study

Four courses from the following list

BUS-350 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-350) International Business
ECO-404 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-404) International Economics
ECO-411 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-411) Topics in Economics (if related to Latin America)
HIS-252 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-252) Latin American History and Politics
HIS/POL-325 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-325) Revolution

and Terrorism
POL-351 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-351) Problems of Developing Nations
POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Honors: Model OAS
POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues
POL/HIS/LSP-427 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-427) Study Tour to Latin America

Independent Study courses in Latin American culture, history, political science, economics or business.

Back to top

Courses

BUS-350 International Business

Critically analyzes factors affecting business operations in the global marketplace. Introduces theories and practical strategies for evaluating constraints and opportunities resulting from economic, cultural, legal, and ethical differences to political and financial realities at home and abroad. Provides hands-on opportunities for analyzing international business opportunities, developing international competitive strategies, and for comparing and contrasting different entry modes. Prerequisites: ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) or ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212). Fulfills general education requirement in cross-cultural studies. [3 credits]

ECO-404 International Economics

Examines international trade theory, international trade policy and international finance from multi-country and multicultural perspectives. Applies economic models to explain the benefits from trade and its effect on the distribution of income among different groups within a country. Studies the impact of protectionist policies on the standard of living of both importing and exporting countries. Describes the balance of payments and develops models of exchange rates. Investigates international capital and finance issues in light of the current economy. Fulfills eneral education requirement in cross cultural studies. Prerequisite: ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) or ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212). [3 credits]

ECO-411 Topics in Economics

Provides opportunities to pursue special topics of current interest in the field of economics. [3 credits]

HIS-252 Latin American History and Politics

Analyzes the history and politics of Latin America, studying how socieities evolved from the colonial period through independence and the formation of nations, military and personal dictatorships, and the current era of imperfect democratization. The course compares how the countries of Latin America have contended with issues of power and inequality, including income disparities, racial and ethnic discrimination, forced megration, environmental injustice, patriarchal gender norms, cultural divisions, and the fole of religion. It also evaluates the complex history of Latin American countries' unequal relationship with the United States. Fulfills general education requirements in history and impact of diversity. [3 credits]

HIS-325 Revolution and Terrorism

Traces the causes, patterns and outcomes of 20th century Revolutions, and analyzes the similarities and differences between revolutionary movements and guerrilla and terrorist groups. The course looks at the ideological, ethnic and religious terrorist groups with a special emphasis on religious terrorism and its worldwide impact. Fulfills general education requirements in history and cross-cultural studies. [3 credits]

HIS-427 Study Tour

Combines study with travel to various parts of the world. Organized by faculty members of the department. Offered periodically in summer and Winterim. [3 credits]

LSP-233 Spanish for Oral Proficiency

Offers intensive oral-aural practice, with emphasis on the language used in daily life. Serves those who wish to perfect pronunciation and increase fluency in Spanish through extensive use of multimedia materials and interaction with native speakers. Independent lab work required. Fulfills the general education language requirement. Prerequisite: LSP-103 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-103) or placement. [3 credits]

LSP-234 Spanish for Written Proficiency

Aims to increase proficiency in the written use of the language. Provides a review of grammar and extensive practice based on cultural themes of the Hispanic world. Uses multimedia materials and reading selections from contemporary Latin American authors and publications. Focuses on various issues such as women's roles and human rights. Fulfills the general education language requirement. Prerequisite: LSP-103 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-103) or placement. [3 credits]

LSP-301 Advanced Spanish Conversation and Composition I

Gives special attention to the idiomatic use of language and to the finer points of Spanish grammar. Based on writings and media sources dealing with present-day events and cultural issues. Analysis of structure and style. Fulfills the general education language requirement. Required of all majors and minors. Prerequisite: LSP-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) and 234 or equivalent. [3 credits]

LSP-302 Advanced Spanish Conversation and Composition II

Gives special attention to the idiomatic use of language and to the finer points of Spanish grammar. Based on writings and media sources dealing with present-day events and cultural issues. Analysis of structure and style. Fulfills the general education language requirement. Prerequisite: LSP-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) and 234 or equivalent. Required of all majors and minors. [3 credits]

LSP-310 Survey of Masterpieces in Latin American Literature I

Introduces students to Latin American literature and thought in their historical and social dimensions through a close study of selected masterpieces from the 1800s to the present. Prerequisite: LSP-258 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-258) or permission. Fulfills the General Education literature and cross-cultural studies requirements. [3 credits]

LSP-311 Survey of Masterpieces in Latin American Literature II

Introduces students to Latin American literature and thought in their historical and social dimensions through a close study of selected masterpieces from the 1800s to the present. Prerequisite: LSP-258 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-258) or permission. Fulfills the general education literature and cross-cultural studies requirements. [3 credits]

LSP-359 Latin American Culture and Civilization

Provides an introductory study of the main features of Latin American political and cultural history. Includes artistic and literary movements. This course is given in Spanish and is designed for students who have advanced knowledge of the language. Fulfills the General Education cross-cultural studies requirement. Prerequisite: LSP-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233)/234 required, LSP-301 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-301) recommended. [3 credits]

LSP-427 Short Term Academic Experience in a Spanish-Speaking Country

Visits cities and sites of historical and cultural importance in one Spanish-speaking country. Prior to the tour, students will attend preparatory lectures and complete preliminary readings. Research related to the tour usually will be completed within a month after return. Fulfills the culture and civilization requirement for the Spanish major and minor. [3 credits]

LSP-463 Independent Study

Allows the student to undertake an individual program of study in language, linguistics, literature or civilization under the guidance of a member of the department. [3 credits]

POL-351 Problems of Developing Nations

Introduces students to economic, political and cultural issues of development and underdevelopment in Asia, Latin America, Sub-Saharan Africa, the Middle East and North Africa. Fulfills general education requirement in cross-cultural studies. [3 credits]

POL-370 Hrs: Model Organization of American States (OAS)

Prepares students to participate in the Model Organization of American States (Model OAS) competition, which takes place at OAS headquarters in Washington, D.C. in the spring. A team of 10 Notre Dame students, representing an assigned country, debates other colleges and universities from the United States, Latin America and the Caribbean on issues such as democratization, regional integration, poverty, environmental problems and human rights issues. In addition to becoming familiar with hemispheric issues, students learn leadership, cooperation, persuasion and diplomatic skills. Prerequisite: Morrissy scholar and permission. Fulfills general education requirement in social science and cross-cultural studies. [3 credits]

POL-427 Study Tour

Combines study with travel to various parts of the world. Organized by faculty members of the department. Offered periodically in Summer and Winterim. [3 credits]

POL-440 Global Issues

Examines five to six major topics that interconnect or divide the contemporary world. Democracy, the global economy, religion and ethnicity, global migration, population trends, women, the environment, and technology and communication are some of the issues we visit. Fulfills general education requirement in cross-cultural studies. Prerequisite: POL-103 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-103). [3 credits]

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Leadership in Hospitality and Event Management (Major)

Business and Economics Department

Contact Office of the Dean of the School of Arts, Sciences and Business

Degrees offered

Major
Minor

Campuses

Main Campus

The Leadership in Hospitality and Event Management program of study is designed to prepare graduates for a career in the exciting and fast field of hospitality, one of the fastest growing industries in the world. Courses are organized to provide theory and real-world application for entry-level, management level and entrepreneurial opportunities within the main sectors of the hospitality and event industry, providing opportunities and professional consideration in the following areas: tourism, hotel and lodging, meeting and convention, event planning, food and beverage services,

and more! Variations in special topics courses, internships and availability of electives accommodate those with little to no experience, as well as those currently working in the industry. This program will prepare graduates for sustainable, lifelong employment in the hospitality field.

Curriculum

Major in Leadership in Hospitality

Foundation Courses

BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Principles of Management
BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing
BUS-416 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-416) Managing Financial Resources
ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Introduction to Macroeconomics
ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Introduction to Microeconomics

Core Courses in Major

HOS-190 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-190) Introduction to Hospitality and Event Planning
HOS-210 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-210) Professional Communication: Hospitality and Event Planning
HOS-230 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-230) Travel and Tourism
HOS-250 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-250) Food and Beverage Safety
HOS-360 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-360) Catering and Special Events
HOS-370 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-370) Lodging Management
HOS-380 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-380) Meeting and Convention Management
HOS-400 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-400) Hospitality Management Information Systems
HOS-450 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-450) Legal Environment: Hospitality and Event Management
HOS-470 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-470) Human Resources and Labor Relations
HOS-480 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-480) Supply Chain Logistics: Hospitality and Events

Minor in Leadership in Hospitality

HOS-190 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-190) Introduction to Hospitality and Event Planning
HOS-230 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-230) Travel and Tourism
HOS-360 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-360) Catering and Special Events *or* COM-375 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-375) Event Planning
HOS-370 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-370) Lodging Management *or* HOS-380 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-380) Meeting and Convention Management
BUS-302 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-302) Principles of Management
BUS-303 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-303) Principles of Marketing
Plus, an open-choice elective in business, communication or hospitality.

Sample Program of Study

Sample program of study for Leadership in Hospitality & Event Management to provide guidance. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First Year			
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	4	BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing	3
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	HOS-250 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-250) Food and Beverage Safety Certification	3
ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Microeconomics (meets Social Science Requirement)	3	Foreign Language Requirement	3
HOS-190 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-190) Intro to Hospitality and Event Planning	3	Literature Requirement	3
Foreign Language Requirement*	3	Mathematics Requirement	3
[16 credits]		[15 credits]	

Second Year

BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Principles of Management	3	HOS-210 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-210) Professional Communication - Hospitality and Event Planning	3
HOS-230 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-230) Travel and Tourism	3	PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201) Introduction to Philosophy	3
RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) Religion and the Big Questions	3	History Requirement	3
COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Communication	3	Fine Arts Requirement	3
Foreign Language Requirement	3	Natural Science Requirement	4
Physical Education Requirement	1	[16 credits]	
[16 credits]			

Third Year

HOS-370 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-370) Lodging Management	3	BUS-416 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-416) Managing Financial Resources	3
HOS-380 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-380) Meeting and Convention Management	3	HOS-360 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-360) Catering & Special Events	3
Gender Studies Requirement	3	ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Introduction to Macroeconomics	3

Upper-Level Religious Studies Requirement	3	Upper-Level Religious Studies Requirement	3
Values Requirement	3	Cross-Cultural Studies Requirement	3
[15 credits]		[15 credits]	

Fourth Year

HOS-400 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-400) Hospitality Management Information Systems	3	HOS-450 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-450) Legal Environment & Hospitality and Event Management	3
HOS-470 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-470) Human Resources and Labor Relations	3	Internship in the Hospitality Field	4
HOS-480 (https://catalog.ndm.edu/courses/list/index.php?dept=HOS#HOS-480) Supply Chain Logistics	3	General Electives & Business Course Electives	8
General Electives & Business Course Electives	6	[15 credits]	
[15 credits]			

*Number of credits required is 3 to 9, depending on the results of a language placement exam.

Additional Notes

- Students will complete two courses online in collaboration with University of Maryland Eastern Shore.
- Students who are interested in a BA/MS pathway to graduate studies at Morgan State University should inform the NDMU program director by the third year of study to plan to enroll in bridge courses in the senior year as part of the University partnership with Morgan.

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Liberal Arts (Major - Option A, Option B, Option C)

Department

Pamela O'Brien, *Dean, School of Arts, Sciences and Business*

Degrees offered

Major

Campuses

Main Campus

The College of Arts, Sciences, and Business offers an Interdisciplinary Major to students in the College of Adult Undergraduate Studies and the Traditional Undergrade College. This Program of Study encourages the student to develop a broad understanding and appreciation of the main areas of human knowledge and values. Under the guidance of an academic advisor, the liberal arts student is encouraged to develop an integrated approach to the study of liberal arts.

Summary

Traditional Undergraduate and College of Adult Undergraduate Studies

Through the Liberal Arts Major, students select their courses to meet their interests and goals. For Option A, B and C discussed below, the Major consists of 12 courses, six of which must be at the 300- or 400-level. The courses in the interdisciplinary Major are exclusive of the General Education Requirements for the degree. The 12 courses required for the Major must be completed with a grade of C or higher. A student with transfer credits must also meet the above requirements. All students, including transfer students, must complete least eight total courses in the Liberal Arts major at Notre Dame.

Programs of Study

Option A

The student selects a primary track of seven courses (four of which must be upper-division) and a supporting track of five courses (including two upper-division courses). Students must complete at least two courses in each track at Notre Dame. The student is strongly advised to select the primary and supporting track prior to completion of 60 credits. Traditional undergraduate students may select from the following tracks:

Art	Economics	Philosophy
Biology	Education	Physics
Business	English	Political Science
Chemistry	History	Psychology
Classics	Mathematics	Sociology/Criminology
Computer Studies	Modern Languages	Religious Studies
Communication Arts/Digital Media Arts	Music	

Students in the College of Adult Undergraduate Studies may select from among the following tracks:

Art (supporting track only)	Education	Sociology/Criminology
Business	English	Religious Studies
Computer Studies	History	

Courses Required for Option A (Credits):

Art

ART-120 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-120) Art of Europe and the Near East or

ART-121 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-121) Art of Europe & the United States (3)

Any one of the following:

ART-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-101) Drawing I (3)

ART-102 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-102) Color and Design (3)

ART-103 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-103) Three Dimensional Design (3)

ART-109 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-109) Basic Photography (3)

ART-142 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-142) Painting I (3)

Biology

BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology (4)

Either BIO-307 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-307) Ecology or BIO-311 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-311) Evolution (4)

Business

One course in economics.

Chemistry

Primary Track

CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) and 111 General Chemistry I and II (8)

CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) and 211 Organic Chemistry I and II (8)

CHM-303 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-303) Analytical Chemistry (4)

CHM-350 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-350) Chemical Literature (1)

One of the following

CHM-301 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-301) Physical Chemistry I (4)

CHM-305 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-305) Instrumental Analysis (4)

CHM-425 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-425) Biochemistry I (4)

Classics

Primary track

1 course in Latin or Greek, above the 103 level (3)
6 courses selected with the approval of the liberal arts advisor

Supporting track

1 course in Latin or Greek, any level (3)

4 courses selected with the approval of the liberal arts advisor

Communication Arts/Digital Media Arts

There are no required courses; confer with your advisor.

Computer Studies

CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Programming Concepts (3)

Economics

ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Introduction to Macroeconomics (3)

ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Introduction to Microeconomics (3)

Education

Consult with liberal arts advisor for a list of required courses.

English

There are no required courses; confer with your advisor.

History

There are no required courses; confer with your advisor. (GEO-206 (https://catalog.ndm.edu/courses/list/index.php?dept=GEO#GEO-206) does not count as a history course.)

Mathematics

MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212) Calculus II (4)

Modern Foreign Languages

Choice of:

LFR-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-233) French for Oral Proficiency (3)
LFR-234 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-234) French for Written Proficiency (3)
One French culture or literature course (3)

Or

LSP-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) Spanish for Oral Proficiency (3)
LSP-234 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-234) Spanish for Written Proficiency (3)
One Spanish culture or literature course (3)

Music*

Choose two required courses

MUS-106 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-106) Music and Culture: Timeless Threads or
MUS-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-107) Music and Culture: Lasting Legacies (3)
MUS-148 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-148) Theoretical Studies I: Fundamentals (3)
Additional courses selected from the music minor curriculum.
Applied music courses do not count toward the required number of courses.

**Requires written permission from the Department*

Philosophy

Choose one from the following:

PHL-302 Philosophy of Human Nature

PHL-305 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-305) Philosophy of Religion (3)

PHL-321 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-321) Epistemology (3)

PHL-374 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-374) Metaphysics (3)

Choose one from the following:

PHL-303 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-303) Ancient Philosophy (3)

PHL-304 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-304) Medieval Philosophy (3)

PHL-307 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-307) History of Modern Philosophy (3)

PHL-309 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-309) History of Contemporary Philosophy (3)

Must include ethics course if not taken as a general education values course.

Physics

PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) General Physics I (4)

PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) General Physics II (4)

Political Science

POL-101 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-101) Introduction to Political Science (3)

Psychology

PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) Research Methods I (for first concentration only) (4)

Only courses with a PSY designation are acceptable. PSY-105 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-105), PSY-461 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-461) and PSY-462 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-462) do not count toward this concentration.

Sociology/Criminology

Primary Track

SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101) Introduction to Sociology or CRM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-101) Introduction to Criminology (3)

SOC-209 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-209) Race, Class, and Gender (3)

PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) Research Methods I (4)

SOC-350 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-350) Sociological Theory or CRM 303 Theories of Crime and Deviance (3)

Two additional courses in SOC or CRM at the 300 level (6)

One course in SOC or CRM at the 400 level (3)

Supporting track

SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101) Introduction to Sociology or CRM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-101) Introduction to Criminology (3)

SOC-209 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-209) Race, Class, and Gender (3)

PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) Research Methods I (4)

SOC-350 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-350) Sociological Theory or CR- 303 Theories of Crime and Deviance (3)

One course in SOC or CRM at the 400 level (3)

Religious Studies

RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201) Introduction to Biblical Studies (3)

RST-315 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-315) Old Testament or RST-317 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-317) New Testament (3)

One systematic theology course (3)

One practical theology or religion and culture course (3)

One religious ethics course (3)

Students with a primary track in Religious Studies will be expected to participate in the Religious Studies Capstone Experience, which includes a portfolio preparation workshop and compilation of a portfolio, an interview with department faculty, and a presentation to department faculty, current religious studies students and alumnae. Students with a supporting track will be invited to participate in the Capstone Experience and required only to attend the presentations.

Option B

This option is open to any student but should be chosen by students who plan to continue to the Master of Arts in Teaching.

Two courses (of student's choice) from each of the following: English; Science; Mathematics; Art or Music; History or Social Sciences; plus two elective courses in liberal arts and EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402). Six of these 12 courses must be at the 300/400 level.

Option C

The student selects a primary area of emphasis of seven courses (four of which must be at the 300- or 400-level) and a supporting area of emphasis of five courses (including two courses at the 300- or 400-level). Students must complete at least two courses in each area of emphasis at Notre Dame. The student is strongly advised to select the primary and supporting areas of emphasis prior to completion of 60 credits.

Areas of Emphasis

- Natural Sciences and Mathematics: includes courses in Biology, Chemistry, Computer Studies, Mathematics, Physics
- Social Sciences: includes courses in Economics, Political Science, Psychology, Sociology and Criminology
- Arts and Humanities: includes courses in Art, Classical and Modern Foreign Languages, English, History, Music, Philosophy, Religious Studies
- Professional Studies: includes courses in Business, Nonprofit Management, Communication Arts, Digital Media Arts, Education

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Marketing Communications (Major)

Business and Economics Department and Communication Arts Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Kendrick Kenney, *Coordinator*

Degrees offered

Major

Campuses

Main Campus

The Marketing Communications Major is an interdisciplinary Program of Study for traditional undergraduate students who are interested in pursuing careers in a dynamic and rapidly expanding field. Integrated Marketing Communications involves the coordination of a company's marketing and communication efforts towards the creation of messages that maximize consumer satisfaction at minimal cost. The Marketing Communications Major provides students with a comprehensive mix of real-world business skills and cutting-edge communication tools needed to succeed, whether employed in a start-up company or a global corporation.

Summary

Traditional Undergraduate

Underpinning the Marketing Communications Major is a liberal arts approach that allows students to draw the best from diverse disciplines. From Communication Arts, students receive a broad foundation in writing and speaking skills, as well as specific career training in a range of creative fields, such as advertising, public relations, event planning, and digital design. From Business, students acquire a broad knowledge base in key areas such as finance, research, teamwork, and negotiation, along with a thorough mastery of the full spectrum of marketing strategies and promotional tactics. The variety of courses available in the Program allows students to develop a thorough knowledge of communication theories, processes and technologies while cultivating the necessary business experience and flexibility to adapt to current and future marketplace trends.

Through learning the language of marketing and the nature of markets, students will understand how building an organization's image and brands with an effective integrated marketing communications strategy is critical to its success. Students will complete promotions opportunity and communications market analyses, and study consumer and organizational consumer behavior. They will also assess the effectiveness of both traditional and non-traditional forms of communication, and create marketing communications plans as part of a systematic approach to defining uncontested market space. The development of teamwork, bargaining, and negotiation skills will be emphasized, along with knowledge of the basic accounting principles and financial statements needed for budgets and decision-making.

The Program culminates in a professional practicum through which students gain work experience analyzing, designing, implementing and reviewing integrated marketing communication plans for local businesses. Graduates from Notre Dame's Program learn to 1) effectively use data in the analysis of marketing problems and in the development of the subsequent marketing communications strategy, 2) evaluate and design effective communication plans for internal and external audiences either working individually or as a member of a team, and 3) create effective marketing messages that are ethical, socially responsible and well-reasoned using diverse media.

The Marketing Communications curriculum prepares students to work as corporate marketing communications professionals, account managers in advertising or direct marketing firms, event planners, public relations professionals, marketing representatives, trade show coordinators, publication managers, product managers, media buyers, sales promotion directors or internet marketing managers.

Program of Study

Required Courses for a Major in Marketing Communications (Credits)

BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing (3)

BUS-334 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-334) Teamwork and Negotiation (3)

BUS-360 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-360) Business Research (3)

BUS-416 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-416) Managing Financial

Resources (3)

BUS-482 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-482) Consumer Behavior (3)

BUS-483 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-483) Integrated Marketing Communications (capstone) (3)

COM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-101) Introduction to Media Writing (3)

COM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-210) Social Media

COM-319 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-319) Advertising and Analytics (3)

COM-331 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-331) Public Relations (3)

COM-375 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-375) Event Planning (3)

COM-401 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-401) Writing for the Web **or** CST-261 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-261) Web Page Design (3)

COM-461 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-461) Communication Arts Practicum **or** BUS-461 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-461) Business Practicum (4)

DMA-101 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-101) Graphic Design I (3)

Computer competency is required. A student may demonstrate this competency by one of two methods:

1. complete CST-130 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-130) Introduction to Microcomputer Applications (or a comparable course) with a grade of "C" or better, or,
2. earn a passing score of 70 percent on the CST-130 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-130) Challenge Exam.

Marketing Communication Majors must fulfill the General Education Math Requirement with BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225).

Students are encouraged but not required to take BUS105 Introduction to Business and Entrepreneurship.

Four-Year Plan

Below is a sample Program of Study for the Marketing Communications Major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
COM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-101) Introduction to Media Writing	3	BUS-334 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-334) Teamwork and Negotiation	3

BUS-105 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-105) Introduction Business and Entrepreneurship (recommended)	3	CST-130 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-130) Intro to Computer Applications	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Experience	3	General Education Requirements	6
General Education Requirements	6	COM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-210) Social Media	3
[15 credits]		[15 credits]	
Second year			
BUS-303 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-303) Principles of Marketing	3	COM-319 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-319) Advertising or COM-331 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-331) Public Relations	3
COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Communication	3	BUS 225 Data Analysis for Business Decisions I	3
General Education/Electives	6	General Education/Electives	9
DMA-101 (https://catalog.ndm.edu/courses/list/index.php?dept=DMA#DMA-101) Graphic Design	3		
[15 credits]		[15 credits]	
Third year			
COM-375 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-375) Event Planning	3	COM-319 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-319) Advertising & Analytics or COM-331 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-331) Public Relations	3

CST-261 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-261) Web Page Design	3	BUS-482 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-482) Consumer Behavior or BUS 483 Integrated Marketing Communication	3
General Education/Electives	9	General Education/Electives	6
[15 credits]		BUS 416 Managing Financial Resources	3
		[15 credits]	
Fourth year			
BUS-360 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-360) Business Research	3	BUS-461 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-461) Business Practicum or	4
IDS-361 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-361) Internship (recommended)	3	COM-461 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-461) Communication Arts Practicum	3
COM-401 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-401) Writing for the Web	9	BUS-482 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-482) Consumer Behavior or BUS-483 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-483) Integrated Marketing Communication	3
General Education/Electives		General Education/Electives	6
[15 credits]		[16 credits]	

Note: Descriptions for the courses required as part of the Marketing Communications Major may be found in the Business, Communication Arts, Art, and Computer Studies sections of the Catalog.

Accreditation

Accreditation Council for Business Schools & Programs (http://www.acbsp.org/) (ACBSP)

ACBSP promotes excellence in business education. It focuses on strong student learning outcomes and teaching excellence.

Modern Foreign Languages (Major)

MFL Department

Pamela O'Brien, Ph.D., *Dean, School of Arts, Sciences and Business*
Rachel L. Burk, Ph.D., *Chair*
Marcela Valencia, Ph.D.

Degrees offered

Major

Campuses

Main Campus

Welcome! Bienvenue! ¡Bienvenidos! Gain advanced proficiency in two modern languages through individualized attention, integrated technology, and communication-focused coursework. Our students take their language skills from the classroom into the NDMU community and the larger world via study abroad, service learning, language-exchange partners, clubs, and internships.

Summary

Foreign language courses cover essential language structures, practical communication, and cultural learning. Small classes, close relationships with professors, multimedia technology, and interactions with native speakers encourage general education students to speak, write, listen, and read in a foreign language while gaining perspectives on the larger world. Majors and minors in modern languages refine their language skills in two languages and at the same time immerse themselves in literature, history, film, art, and culture, locally and internationally.

General Education Language Requirement

Native Speakers of English

Traditional undergraduate students, both first-year and transfer, may fulfill the general education foreign language requirement in one of three ways:

- **AP Exam**: Provide evidence of an earned grade of 3 or higher on the Advanced Placement Language or Literature exam
- **Language Department Placement Exam:** Place into the advanced level (301) on the language department placement exam. (These students may wish to satisfy the General Education Literature Requirement through a literature course in the foreign language.)
- **Coursework:** Complete one course at the intermediate level (103, 233 or 234), preferably building upon foreign language skills acquired at the secondary level.

Traditional undergraduate students, ages 25 years and older at the time of matriculation, as well as students in the College of Adult Undergraduate Studies, may fulfill the General Education Language Requirement in one of two ways:

- **Exam:** Provide evidence of completion of one semester of foreign language study through the Advanced Placement Language or Literature exam or the CLEP test (available in French, Spanish, and German through the College Board).
- **Coursework:** Complete one semester at the appropriate level (101,102,103 or higher).

Native speakers of English who are bilingual should consult with the Chair of Modern Foreign Languages for guidance regarding the language requirement.

Language courses that satisfy the general education language requirement are: 103, 233, 234 or any Latin course above the 102-level.

Languages Offered through 103-level

Courses at the 101, 102 and 103 levels in French, Latin, and Spanish are taught regularly on the NDMU main campus. Classes in other languages may be taken via the Baltimore College Consortium to fulfill the general education language requirement and as an elective.

Non-Native Speakers of English

International students may fulfill the general education foreign language requirement in one of three ways:

- **TOEFL Exam:** At entrance, provide evidence of a score of 550 or higher on the TOEFL exam, or 213 or higher on the TOEFL: BT Test or 80 or higher on the IBT Test.
- **English Language Institute Placement Exam:** At entrance, score on the advanced level on all parts of the language department's English Placement Test.
- **ELI Placement Exam:** Complete LEF-203 (http://catalog.ndm.edu/courses/list/index.php?dept=LEF#LEF-203), LEF-204 (http://catalog.ndm.edu/courses/list/index.php?dept=LEF#LEF-204) or LCL-331 (http://catalog.ndm.edu/courses/list/index.php?dept=LCL#LCL-331), based on the results of the English Placement Test.

Placement Testing

Placement testing will assure every student studies at a level consistent with her current abilities. Students at Notre Dame must complete one semester of foreign language at the intermediate level (103) or above. The sequence of foreign language courses offered is as follows:

101-102	Beginning Spanish I and II (do not fulfill the language requirement)
103	Intermediate Spanish I (Courses beginning at this level fulfill language requirement.)
233/234	Spanish for Oral/Written Proficiency
301-302	Advanced Conversation and Composition I and II

Placement result	**Courses needed to fulfill the language requirement**
101	101, 102, 103
Start a new language	101, 102, 103
102	102, 103
103	103
233	233
234	234

Students who have achieved a score of 3 or above on the Advanced Placement Language or Literature Test are considered to have fulfilled the language requirement. No additional courses are required.

Transfer students

Those who have studied a foreign language at the college-level satisfy the requirement with one course at the intermediate level. Beginning, college-level coursework in a foreign language serves as a prerequisite for 102 or 103. *Those students who have college level language credit must make this information known to their advisors!* Since course numbering varies, failure to do so may result in taking the same course twice and being denied credit.

Programs of Study: Modern Foreign Languages

To declare a Major or a Minor in the Department, a student must have a minimum grade of C in the course that satisfies the General Education language requirement. All courses in the Major and the Minor must be completed with a grade of C or above. Double major programs may be developed through consultation with academic advisors from each department.

The Languages Department strongly recommends that students who Major or Minor in foreign language study abroad. All such courses must be pre-approved by the University in advance of the study abroad year or semester.

The Modern Foreign Languages Major

The modern foreign language major combines the study of two languages and is recommended for students who arrive at college with language proficiency in at least one language other than English, wish to pursue a career abroad or in international relations, or aim to teach in secondary schools. Students choose between French and Spanish as their first or main language; they may take French or Spanish as a second language or select another language available through the Baltimore College Consortium. 42 credits (14 courses) are required for the major. Students who place into the 300-level in the first or second language will take 36 credit hours (12 courses).

Required Courses for the Modern Foreign Languages Major

The Modern Foreign Language Major requires 42 credit hours (14 courses) beginning at the 200-level in main language of French or Spanish. Students who place out of LSP-233 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) and 234 will take 39 credits (13 courses). All Majors, including native speakers, must take LFR/LSP-301 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-301) and LFR/LSP-302 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-302).

Language Skills

Introduction to the Discipline:

LFN-201 (https://catalog.ndm.edu/courses/list/index.php?dept=LFN#LFN-201) The World of Language (taught in English) (3)

First Language (French or Spanish)

LFR-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-233)/LSP-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) Oral Proficiency
LFR-234 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-234)/LSP-234 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-234) Written Proficiency
LFR-301 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-301)/LSP-301 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-301) Advanced Conversation & Composition I
LFR-302 (https://catalog.ndm.edu/courses/list/index.php?dept=LFR#LFR-302)/LSP-302 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-302) Advanced Conversation & Composition II

Second Language

101 Beginning Language I
102 Beginning Language II
103 Intermediate
233 Oral Proficiency
234 Written Proficiency

Literature

*258 Readings in Literature (in either language) (3)
One course at the 300- or 400-level (3)
**For native speakers who have successfully completed a literature course in English, 258 should be replaced by one 300- or 400-level literature course in one of the target languages.*

Culture and Civilization

One course at the 300-level (3)
LFN-450 (https://catalog.ndm.edu/courses/list/index.php?dept=LFN#LFN-450) Research Seminar (3)

See Spanish (Major, Minor) and French (Minor) for course descriptions.

Secondary Education Certification—Approved Program in Modern Foreign Language

Students who wish to prepare for teaching in secondary schools may take a select portion of the modern language major in addition to the professional education courses offered by the School of Education. Qualified students may complete both the Bachelor of Arts and the Master of Arts in teaching degrees in five years. Interested students should confer with the School of Education, since early planning is essential. Students who wish to become certified to teach English as a second language would study at the graduate level.

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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Mathematics

Mathematics, Physics, and Computer Studies Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Charles Buehrle, Ph.D., *Chair*
Brian Christy, Ph.D.
Kristyanna Erickson, Ed.D.

Degrees offered

Major
Minor

Campuses

Main Campus

Mathematics students develop critical thinking skills, becoming analytical thinkers and problems solvers. They learn to use mathematical software and technologies, to problem solve, to communicate mathematically through proofs, data analysis, and programming, and to relate mathematics to a variety of other disciplines. Each student completes a capstone project that includes an essay reflecting on their growth as a mathematician and their expanded understanding of the discipline, as well as a presentation of an independent project of their choosing.

Built on the recommendations of the Mathematical Association of America's Committee on Undergraduate Programs in Mathematics, the goals of the mathematics program are:

1. develop mathematical thinking and communication skills;
2. develop skills with a variety of technologies; and
3. develop a broad view of the mathematical sciences.

Traditional Undergraduate Studies

Overview
Major
Mathematics/Secondary Education Certification
Minor
Four-Year Plan
Course Descriptions

The Mathematics/Physics/Computer Studies Department of the School of Arts, Sciences and Business offers a Major or Minor in Mathematics to students in the traditional undergraduate program. Students may also prepare for teaching mathematics through the Secondary Education Certification Program. Recognizing the role our fields plays in other disciplines, we offer courses for department majors and non-majors that serve the students of NDMU in the Catholic Liberal Arts tradition. As an integral part of the liberal arts, we provide the students at NDMU with an understanding of the physical world, quantitative and technologically based knowledge, and enable our students to become leaders in their future professions.

Mathematics Majors have completed graduate study at institutions such as University of Maryland Baltimore County, University of Maryland College Park, Boston College, Drexel University, George Washington University and Rochester University. Program graduates have positions with organizations such as CareFirst BlueCross BlueShield of Maryland, Aberdeen Proving Ground, the National Security Agency, Lockheed Martin Information Technologies, Arbitron and the Federal Bureau of Investigation.

Mathematics Majors often choose a Minor such as Computer Science, Business, Accounting or Physics. Recent students have successfully completed double majors such as Mathematics/Physics, Mathematics/Biology, Mathematics/Chemistry, and Mathematics/Art.

The General Education Requirement in Quantitative Reasoning is normally fulfilled by a variety of 100- or 200-level mathematics courses.

Students must earn a minimum Cumulative Grade Point Average of 2.0 in all courses taken to complete the requirements of the Mathematics Major.

Back to top

Programs of Study

Required Courses for a Major in Mathematics (Credits)

MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) Discrete Mathematics (3)
CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Programming Concepts or CST-295 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-295) C++: Object Oriented Programming (3)
MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212), 213 Calculus II, III (7)
MAT-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-243) Linear Algebra (3)
MAT-301 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-301) Abstract Algebra (3)
MAT-303 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-303) Analysis (3)
MAT-311 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-311) Theory of Probability (3)
MAT-425 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-425) Simulation and Modeling (3)
MAT-455 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-455) History of Mathematics (3)

In addition to required courses, at least three electives from the following:

MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics (3)
MAT-305 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-305) Geometry (3)
MAT-307 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-307) Numerical Analysis (3)
MAT-309 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-309) Number Theory (3)
MAT-315 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-315) Differential Equations (3)
MAT-406 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-406) Complex Variables (3)

Recommended:

PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101), 102 General Physics I, II (8)
MAT-214 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-214) Calculus of Vector Fields (1)

Mathematics Capstone Experience

The capstone experience for each student majoring in Mathematics is twofold. In their final spring semester at the University, each Major writes an essay reflecting on their growth as a mathematician and on their expanded understanding of the discipline of Mathematics. In addition, in consultation with their faculty advisor, each Major develops a poster or presentation on a topic selected from one or more of their courses, or the selected topic may be related to an internship experience. This presentation should extend the topic beyond the coverage of the course(s).

The spring mathematics capstone presentation is open to interested faculty, students and guests as a celebration of each student's work and achievements.

Back to top

Mathematics/Secondary Education Certification—Approved Program in Mathematics

Students who wish to prepare for teaching in secondary schools complete the courses required for the Mathematics Program of Study, except that the following three elective courses—MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics, MAT-305 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-305) Geometry and MAT-309 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-309) Number Theory—are required, along with the professional education courses offered by the School of Education.

Back to top

Minor in Mathematics

MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211), 212 Calculus I, II (8)
MAT-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-243) Linear Algebra (3)

Three other courses in Mathematics from among MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) and 200-level or higher courses, except MAT-214 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-214) Calculus of Vector Fields

Back to top

Four-Year Plan

Sample Program of Study for the Mathematics Major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) Calculus I	4	MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212) Calculus II	4
** MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) Discrete Mathematics	3	CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Programming Concepts+	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	3	General Education/Electives	9

General Education/Electives	6	[16 credits]	
[16 credits]			
Second year			
CST-295 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-295) C++: Object Oriented Programming+	3	MAT-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-243) Linear Algebra	3
MAT-213 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-213) Calculus III	3	MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics	3
PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) General Physics I (recommended)	4	PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) General Physics II (recommended)	4
General Education/Electives	6	General Education/Electives	6
[16 credits]		[16 credits]	
Third or fourth year: odd fall, even spring years			
**MAT-311 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-311) Theory of Probability	3	**MAT-303 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-303) Analysis	3
MAT-307 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-307) Numerical Analysis*	3	*MAT-305 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-305) Geometry	3
General Education/Electives	9	**MAT-425 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-425) Simulation & Modeling	3
[15 credits]		General Education/Electives	6
		[15 credits]	
Third or fourth year: even fall, odd spring years			
**MAT-301 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-301) Abstract Algebra	3	*MAT-309 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-309) Number Theory	3

* MAT-406 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-406) Complex Variables	3	*MAT-315 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-315) Differential Equations	3
General Education/Electives	9	**MAT-455 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-455) History of Mathematics	3
[15 credits]		General Education/Electives	6
		[15 credits]	

+ One of these two courses is required.

** Cycled elective course.*

*** Cycled required course.*

Back to top

Courses

MAT-100 Algebra Applications

Combines algebra preparation with applied algebra and is designed to develop students' critical thinking and quantitative reasoning skills. The course provides a thorough study of linear equations and functions as well as an exploration of a variety of non-linear functions. Data analysis and monumental modeling focus on real world problems from a variety of fields including science, finance and business. Available only in the Women's College. Satisfies the General Education Requirement in Quantitative Reasoning. This course may not be taken for credit after successful completion of MAT 103. [4 credits]

MAT-103 Applied Algebra

Focuses on fundamental algebraic concepts and the solution of real world problems through the use of basic mathematical models. Provides a thorough
study of linear functions as well as an exploration of a variety of nonlinear functions. Data analysis and mathematical modeling focus on real world problems from a variety of fields including science, finance and business. Graphing calculator is used throughout the course. Intended for students of science, finance and business who have limited algebraic skills. The course may be taken to prepare for MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107) Elementary Functions or MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics. Prerequisite: minimum of one year of high school algebra. Satisfies the general education requirement in Quantitative Reasoning. [3 credits]

MAT-107 Elementary Functions

Provides preparation for study of calculus and is also designed for pre-service elementary educators with a strong interest in mathematics. Covers polynomial, exponential, logarithmic and trigonometric functions and their applications. Graphing calculator is used throughout the course. Prerequisite: Strong algebraic background (as evidenced by placement test) or completion of MAT-100 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-100) or MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103). Fulfills General Education Requirement in Quantitative Reasoning. [3 credits]

MAT-110 Discrete Mathematics

Introduces topics that find their applications in the field of computers and computing. Topics include: logic, proof, graphs, trees and counting techniques. This course is designed for Mathematics Majors, Computer Studies Majors and students with a particular interest in mathematics. [3 credits]

MAT-120 Sets, Logic and Numbers

Covers basic set theory and Venn diagram applications, an introduction to formal logic and valid argument forms, elementary number theory, and the arithmetic of integers and the rational numbers. Intended for pre-service elementary educators and others interested these topics. [3 credits]

MAT-121 Geometry and Graphs

Covers properties of angles, lines, triangles and quadrilaterals, constructions with a variety of tools, perimeter, area, volume and qualitative graphs. Intended for pre-service elementary educators and others interested in these topics. [3 credits]

MAT-122 Counting, Chance and Statistics

Explores fundamental counting rules and basic probability as well as the collection, analysis and interpretation of data. Statistical content includes sampling and experimental design, numerical and graphical presentation of data, regression lines and use of the normal curve. Intended for pre-service elementary educators and others interested in an introduction to statistics (possibly before taking MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215), BUS-215 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-215) or BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225)). This course may not be taken after
successful completion of MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215), BUS-215 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-215) or BUS-225 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-225). Fulfills the General Education Requirement in Quantitative Reasoning. [3 credits]

MAT-125 Elementary Mathematical Models

Includes the application of linear, quadratic, exponential and mixed models to real world problems. Models are investigated numerically and graphically as well as algebraically. Graphing calculator is used throughout the course. Intended for pre-service elementary educators and others interested in these topics. Fulfills the General Education Requirement in Mathematics. Prerequisite: minimum of one year of high school algebra. [3 credits]

MAT-211 Calculus I

Introduces functions, limits, continuity, differential calculus of polynomial, rational, trigonometric, inverse trigonometric, exponential and logarithmic functions, as well as basic integration techniques. Applications are considered throughout the course with an emphasis on the natural sciences. Weekly laboratory is an integral part of the course. Graphing calculators are used to explore topics covered. Fulfills the general education requirement in Quantitative
Reasoning. Prerequisite: Placement in MAT 211 or successful completion of MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107). [4 credits]

MAT-211L Lab: Calculus I

This lab is a corequisite of MAT 211.

MAT-212 Calculus II

Studies trigonometric functions, integration by parts and tables, improper integrals, functions of two variables, partial derivatives, double integrals, differential equations, geometric and power series, basic convergence tests, Taylor polynomials and series, and Fourier polynomials and series. Applications are considered throughout the course with an emphasis on the life sciences. Weekly laboratory is an integral part of the course. Graphing calculator is used to explore topics covered. Prerequisite: Calculus I or placement into MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [4 credits]

MAT-212L Lab: Calculus II

This lab is a corequisite of MAT 212.

MAT-213 Calculus III

Covers visualization of functions of two variables, contour graphs, vector geometry, partial derivatives, gradient vector, directional derivatives, constrained optimization, double integral in rectangular and polar coordinates, triple integrals in rectangular, cylindrical and spherical coordinates, analysis of parametric
curves and surfaces, vector fields, line integrals and their applications, the Fundamental Theorem of Line Integrals, Green's Theorem, flux integrals, divergence and curl, Stokes' Theorum and the

Divergence Theorem. Applications are considered throughout the course. A computer algebra system is used to explore topics covered. Prerequisite: Calculus II or placement into MAT-213 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-213). [4 credits]

MAT-215 Basic Statistics

Introduces the basic ideas of statistics: descriptive statistics, central tendency variability, probability distributions, sampling, estimation, hypothesis testing, correlation and regression, multinomial experiments, contingency tables and analysis of variance. A statistical software package is used. Designed for students
in a variety of fields that rely on regular statistical analysis in decision-making. Fulfills general education requirement in Quantitative Reasoning. Prerequisite: Placement in MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) or successful completion of MAT-100 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-100), MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103), or MAT-116 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-116) is recommended. [3 credits]

MAT-243 Linear Algebra

Studies systems of linear equations and their respective solution set. Material covered has use in such fields as physical and biological science, business, economics, computing and cryptography. Topics include matrices, vector spaces, linear transformations, determinants, eigenspaces and approximation techniques. Prerequisite: MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). [3 credits]

MAT-301 Abstract Algebra

Considers groups, rings and fields with emphasis on group theory. Topics include modulo groups, cyclic groups, permutation groups, rings, integral domains and fields, isomorphism and homomorphism, and the Fundamental Theorem of Homomorphism for groups and rings. Prerequisite: MAT-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-243). [3 credits]

MAT-303 Analysis

Introduces the theory that underlies the Calculus. Topics include cardinality, the Completeness Axiom and the topology of the real numbers, convergence of sequences, limits and continuity, the derivative and the Mean Value theorem, convergence of infinite series, sequences and series of functions. Prerequisite: MAT-213 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-213). [3 credits]

MAT-305 Geometry

Explores several different geometries. Included are ways of classifying geometries by sets of axioms or by the type of transforms defined. Finite geometries, projective geometry, non-Euclidean geometries, topology and the geometry of inversion are investigated. Designed for Mathematics Majors or

educators to be certified to teach Secondary Mathematics. Geometers Sketchpad or Geogebra is used throughout the course. Prerequisite: MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

MAT-307 Numerical Analysis

Introduces numerical methods. Topics include: numerical linear algebra, interpolation, numerical differentiation and integration, solution of nonlinear equation, numerical treatment of differential equations, and error analysis. Intended for mathematics, physics and engineering majors. Makes use of a mathematical software package such as Mathematica. Prerequisite: MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

MAT-309 Number Theory

Considers divisibility and unique factorization; congruencies and the Chinese Remainder Theorem; Diophantine Equations; Fermat's, Wilson's and Euler's theorems; perfect numbers; Pythagorean triples; primitive roots; and quadratic congruencies. Designed for Mathematics Majors or educators to be certified to teach Secondary Mathematics. Prerequisite: MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

MAT-311 Theory of Probability

Analyzes combinatorial methods; probability and sample spaces; random variables and their distributions (discrete and continuous); moment generating functions; and the relation between probability and statistics. Probability exposes students to the diverse possible applications in such fields as Mathematics, Science, Engineering, Psychology, Social Sciences and Management Science. Prerequisite: MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

MAT-315 Differential Equations

Introduces the solution, applications and theory of ordinary differential equations. Topics include: solutions of differential equations, initial value problems, boundary value problems, Laplace transforms and series solutions. Prerequisite: MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

MAT-406 Complex Variables

Introduces the theory and applications of functions of complex variables. Topics include: powers and roots, analytic functions, contour integrals, Taylor and Laurent series, singularities and residues. Intended for Mathematics, Physics and Engineering Majors. Prerequisite: MAT-213 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-213). [3 credits]

MAT-425 Simulation and Modeling

Considers mathematical models and their applications. Emphasizes model constructions to promote student creativity and to demonstrate the artistic nature of model building, including the ideas of experimentation and simulation. Prerequisite: MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

MAT-455 History of Mathematics

Focuses on the historical development of modern mathematics. Basic research techniques are reviewed. A research paper on an issue of significance in mathematics or a scholar important to the development of the field is required. Students develop oral presentations about their research. Prerequisite: MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

MAT-463 Directed Study in Mathematics

Supports guided study of special current topics of interest to the student and approved by the instructor. Prerequisite: MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [1, 2 or 3 credits]

MAT-501 Number and Operations for the Middle School Educator

An integration of the study of the rational numbers with reflection on the teaching and learning of arithmetic concepts in the spirit of the NCTM?s Principles and Standards of School Mathematics. Mathematical content includes rational numbers and their fundamental algorithms, the place of the rational numbers in the real number system, scientific notation as a means of expressing very large and very small numbers and number theory topics appropriate for the middle school. [3 credits]

MAT-503 Fundamentals of Algebra for the Middle School Educator

An integration of the study of algebra and its applications to the world around us with reflection on the teaching and learning of algebraic concepts in the spirit of the NCTM's Principles and Standards of School Mathematics. Mathematical content focuses on basic algebraic concepts including signed numbers and their operations, problem solving, quantitative and qualitative graphs, proportional reasoning, linear functions, and functions defined by tables and graphs. Algebra is presented as the study of patterns, as a symbolic language, as a tool for problem solving, and as a way of modeling and understanding the physical world. Graphing calculators are used throughout the course. [3 credits]

MAT-507 Algebraic Functions for the Middle School Educator

An integration of the study of algebraic functions and their applications to the world around us with reflection on the teaching and learning of algebraic concepts in the spirit of the NCTM's Principles and Standards of School Mathematics. Mathematical content focuses on the function concept, function notation, function definition by equation, table and graph, rates of change, linear, quadratic and exponential functions and their applications. Graphing calculators are used throughout the course to explore functions and their properties numerically and graphically. Prerequisite: MAT-503

(https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-503) Fundamentals of Algebra for the Middle School Educator. [3 credits]

MAT-521 Geometry and Measurement for the Middle School Educator

An integration of the study of geometric shapes, spatial reasoning, and measurement with reflection on the van Hiele framework and the NCTM's Principles and Standards of School Mathematics. Mathematical content includes two-and three-dimensional shapes and their properties e.g. congruence, similarity and symmetry, spatial reasoning and transformations, the measurement process and techniques. Interactive software will be used in the exploration of these topics. [3 credits]

MAT-531 Data Analysis and Statistics for the Middle School Educator

An integration of the study of data analysis and statistics with reflection on the teaching and learning of data analysis in the spirit of the NCTM's Principles and Standards of School Mathematics. Mathematical content includes experimental design and data collection, displaying data, exploring and interpreting data, measures of center and spread, ways to investigate the association between two variables and misuses of statistics. Graphing calculators and spreadsheet software are used throughout the course. [3 credits]

MAT-532 Discrete Mathematics and Probability for the Middle School Educator

An integration of the study of discrete mathematics (sets, logic, counting) and probability with reflection on the teaching and learning of these concepts in the spirit of the NCTM's Principles and Standards of School Mathematics. Mathematical content includes sets and their operations, logical connectives and quantified statements, types of mathematical arguments and proofs, counting techniques, the probability of simple and compound events, sample spaces, probability distributions, and the use of simulations to generate data for determining probabilities and to test conjectures. Graphing calculators are used throughout the course. [3 credits]

MAT-533 Calculus for Middle School Educators

An integration of the study of calculus and its connections to the middle school curriculum with reflection on the teaching and learning of these concepts in the spirit of the NCTM's Principles and Standards of School Mathematics. Mathematics content includes sequences and series, functions, differentiation, integration and applications. Graphing calculators are used throughout the course. [3 credits]



MAT-541 Number and Operations for Elementary School Educators

An integration of the study of the whole numbers and the integers with the approach to mathematics teaching and learning found in the National Council of Teachers of Mathematics' Principles and Standards of School Mathematics and the Maryland State Standards. Mathematical content includes place value, estimation, conceptual underpinnings of the conventional computational algorithms for whole numbers and extending these ideas to the integers. Early number concepts, how students develop number sense, how to judge when student-developed procedures are mathematically sound, common misconceptions and how to address these misconceptions are integral to this course. [3 credits]

MAT-542 Number and Relationships for Elementary School Educators

A continuation of Number and Operations for Elementary School Educators extending the ideas developed for whole numbers and integers to the rational numbers (represented as fractions and decimals) and the behavior of units under the four basic operations. Mathematical content also includes ratio and proportion as well as basic concepts of number theory. The mathematical content is integrated with the approach to mathematics teaching and learning found in the National Council of Teachers of Mathematics' Principles and Standards of School Mathematics and the Maryland State Standards. Common misconceptions related to this material and how to address these misconceptions are integral to the course. [3 credits]

MAT-543 Geometry and Measurement for Elementary School Educators

Mathematical content focuses on the development of visualization skills, familiarity with basic shapes, their properties, and the relationships between them (e.g., transformations, similarity and congruence), the communication of geometric ideas, the process of measurement, and working with length, area and volume. The mathematical content is integrated with the approach to the teaching and learning of these concepts found in the National Council of Teachers of Mathematics' Principles and Standards of School Mathematics and the Maryland State Standards. Reflection on the van Heile model for the development of geometric understanding is integral to the course as is the consideration of relevant common misconceptions and how to address them. [3 credits]

MAT-544 Data Analysis and Probability for Elementary School Teachers

An integration of the study of probability and statistics with the approach to the teaching and learning of these concepts found in the National Council of Teachers of Mathematics' Principles and Standards of School Mathematics and the Maryland State Standards. Mathematical content includes designing data investigations, describing data in graphical and numerical formats, drawing conclusions, theoretical and empirical probability for simple events and two or more independent events,



randomness and the difference between predicting individual events and predicting patterns of events. How students learn these concepts, associated misconceptions and how to address them are also considered in the course. [3 credits]

MAT-545 Patterns and Algebraic Thinking for Elementary School Educators

Mathematical content includes the study of patterns, representing and justifying the resultant generalizations using algebraic notation and other representations, expressing functional relationships in symbolic and graphical format, proportional reasoning, solving linear equations and inequalities through the application of basic properties of the real numbers. The mathematical content is integrated with the approach to mathematics teaching and learning found in the National Council of Teachers of Mathematics' Principles and Standards of School Mathematics and the Maryland State Standards. Common misconceptions related to this material and how to address these misconceptions are integral to the course. [3 credits]

MAT-546 Algebra for Elementary School Educators

A continuation of Patterns and A lgebraic Thinking for Elementary School Educators, extending the ideas considered there to functions defined by tables and graphs and to functions defined in either closed or recursive forms. Mathematical content also includes quantitative and qualitative graphs, proportional reasoning, linear and quadratic functions, the field properties of the real numbers, rates of change, and applications of algebraic concepts in problem solving. The mathematical content is integrated with the approach to mathematics teaching and learning found in the National Council of Teachers of Mathematics' Principles and Standards of School Mathematics and the Maryland State Standards. Common misconceptions related to this material and how to address these misconceptions are integral to the course. [3 credits]

MAT-575 Applied Statistics and Programming

Covers concepts of testing for use in professional sciences, including simple linear regression, correlation, multiple regression, fixed and random effects, analysis of variance, analysis of covariance, experimental design, multivariate methods and various statistical packages, including R. Prerequisite: MAT-576 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-576). [3 credits]

MAT-576 Data and Decision Modeling

Provides an application-oriented introduction to the modeling techniques used to structure the way we think about managerial decision situations. Methodologies considered include decision analysis, simulation, optimization and sensitivity analysis. Stochastic models are developed with applications to finance, operations management, logistics and resource allocation. [3 credits]

Music

Music courses encompass music history, theory, applied music and ensemble. The music minor curriculum complements a number of other programs of study on campus.

One medium of the student's musical expression and performance is participation in recitals and concerts, both on and off campus. Qualified students may join the University Concert Choir. The Concert Choir, which specializes in music for women's voices, performs for campus events and concert series in the Baltimore/Washington area. Other opportunities include participation in the Baltimore Choral Arts Society, the Baltimore Opera Company, local choirs and instrumental ensembles. The Music at Notre Dame Concert Series includes performance and master classes by national and international artists. A student may apply four ensemble credits—Concert Choir or Instrumental Ensemble—toward her degree. The general education requirement in fine arts may be fulfilled by taking any of the courses in music. MUS-320 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-320) fulfills the general education requirement in fine arts and gender studies. MUS-313 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-313) and MUS-314 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-314) fulfill the general education requirement in fine arts and cross-cultural studies. A student who has a baccalaureate

degree in music from another college may complete the Maryland State Program of Education certification requirement in general/choral music or in instrumental music through the ACT or MAT programs.

Note: Music courses may not be taken on an audit or pass/fail basis.

Back to top

Courses

MUS-106 Music and Culture I: Timeless Threads

Considers the unadorned transparency of Gregorian Chant through to the complex textures of music during the Baroque era. Includes an overview of music in the context of social and political issues; music as function and entertainment. Develops an understanding of how they meld or counter each other to reflect and define changing styles and artistic tastes. Fulfills general education requirement in fine arts. [3 credits]

MUS-107 Music and Culture II: Lasting Legacies

Studies the music of the Rococo Period through to the onset decade of the 21st century. Examines the confluence of art, philosophy and literature influencing styles that reflect a kaleidoscope of intellect, emotion and experimentation. Affords the opportunity to understand music as integral to the fabric of everyday life. Fulfills general education requirement in fine arts. [3 credits]

MUS-111 Applied Music: Piano

Perform works from the Baroque through the contemporary period. Scales, chords, arpeggios, cadences. Technical studies as dictated by individual needs. May be continued in succeeding years. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-112 Applied Music: Piano

Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-113 Applied Music: Harp

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-115 Applied Music: Voice

Performs works in English, German, Italian and French. Classical, Romantic and Modern Schools, oratorio, opera and song. May be continued in succeeding years. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-116 Applied Music: Voice

Private instruction, by special arrangement. 1 credit. Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-132 Beginning Class Piano

Provides beginning instruction in technique and repertoire. Students participate in a recital at the conclusion of the course. Fulfills general education requirement in fine arts. [3 credits]

MUS-148 Fundamentals of Music: Theoretical Studies I

Introduces students to the foundation of music theory: major and minor scales; intervals, chords and inversions. Includes ear-training, dictation, and vocal and piano sight-reading. Fulfills general education requirement in fine arts. [3 credits]

MUS-155 Applied Music: Composition I

Provides private instruction in music composition, involving both analysis and creation of original works. Places emphasis on in-depth study of counterpoint and traditional and contemporary compositional styles, forms and instrumentation. May be continued in succeeding years. Prerequisite: permission of instructor. [1 credit] Applied music courses are

private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-156 Appl Music: Composition

Private instruction, by special arrangement. 1 credit. Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-160 Applied Music: Cello

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-161 Applied Music: Cello

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-164 Applied Music: Clarinet

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-165 Applied Music: Clarinet

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-168 Applied Music: Flute

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-169 Applied Music: Flute

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-171 Applied Music: Double Bass

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-172 Applied Music: French Horn

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-173 Applied Music: French Horn

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-176 Applied Music: Guitar

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-177 Applied Music: Guitar

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-178 Applied Music: Oboe

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-179 Applied Music: Oboe

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-180 Applied Music: Organ

Performs works from the Renaissance through the contemporary period. Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-181 Applied Music: Organ

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level-2 credits are 600.00 additional

MUS-184 Applied Music: Saxophone

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-185 Applied Music: Saxophone

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-186 Applied Music: Trombone

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees

are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-187 Applied Music: Trombone

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-188 Applied Music: Trumpet

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-189 Applied Music: Trumpet

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-192 Applied Music: Viola

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-193 Applied Music: Viola

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees

are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-196 Applied Music: Violin

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-197 Applied Music: Violin

Arranges private instruction. [1 credit] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-201 Concert Choir

Studies and performs selected choral works from the Middle Ages through the 20th century. Repertoire includes works by Palestrina, Vivaldi, Mozart, Britten, Copland, Bernstein, as well as selections from musical theater. Recent performances have highlighted music by women composers Hildegard von Bingen, Emma Lou Diemer, Sister Mary Agnesine Mannes, Sister Mary Theresine Staab and Libby Larsen. Performances include a Christmas Concert; a Spring Concert; appearances at selected campus functions and community events; and collaborative performances with Notre Dame alumnae and other institutions. Opportunities are provided for solo and small group experiences with instrumental ensembles. Admission by audition. Fulfills general education requirement in fine arts. [1 credit]

MUS-211 Applied Music: Piano

Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-212 Applied Music: Piano

Perform works from the Baroque through the contemporary period. Scales, chords, arpeggios, cadences. Technical studies as dictated by individual needs. May be continued in

succeeding years. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-213 Applied Music: Harp

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-215 Applied Music: Voice

Performs works in English, German, Italian and French. Classical, Romantic and Modern Schools, oratorio, opera and song. May be continued in succeeding years. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-216 Applied Music: Voice

Private instruction, by special arrangement. [2 credits.] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-219 Ear Training: Sight Singing/Keyboard

Emphasizes the singing of melodic lines and intervals, melodic, harmonic and rhythmic dictation. Keyboard exercises center around the basics of improvisation, modulation, transposition, reading of figured bass and supplying a simple accompaniment to a given melody. This course, skill developmental in nature, develops motor skills and enhances thought processes. Prerequisite: MUS-148 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-148) or 202 or permission of instructor. [3 credits]

MUS-232 Instrumental Ensemble

Studies and performs chamber music (including vocal and instrumental combination) from all musical periods. Emphasizes practice, rehearsal, listening techniques and performance. Ensemble class participants are afforded the opportunity to perform at special campus events and recitals at the end of each semester. Admission by audition. Fulfills general education requirement in fine arts. [1 credit]

MUS-235 Intermediate Class Piano

Provides students who have successfully completed the introductory level of study with opportunities to develop an advanced repertoire, further their technical skills, and participate in formal and informal recitals. May be continued in succeeding years. Fulfills general education requirement in fine arts. Prerequisite: MUS-132 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-132) or instructor permission. [3 credits]

MUS-243 Honors: A Musical Mosaic

Focuses on representative musical compositions and related works of art in Western and non-Western cultures. An exploration of the varied elements which, through individual creativity, hold parts (not always compatible) together to form the sound structure which becomes the osaic that is music. Develops the aural sense of formal structure and the visual sense of sound. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in fine arts. [3 credits]

MUS-260 Applied Music: Cello

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-261 Applied Music: Cello

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-264 Applied Music: Clarinet

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-265 Applied Music: Clarinet

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-268 Applied Music: Flute

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-269 Applied Music: Flute

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-272 Applied Music: French Horn

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-273 Applied Music: French Horn

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-276 Applied Music: Guitar

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-277 Applied Music: Guitar

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-278 Applied Music: Oboe

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-279 Applied Music: Oboe

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-280 Applied Music: Organ

Performs works from the Renaissance through the contemporary period. Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-281 Applied Music: Organ

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-284 Applied Music: Saxophone

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-285 Applied Music: Saxophone

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-286 Applied Music: Trombone

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees

are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-287 Applied Music: Trombone

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-288 Applied Music: Trumpet

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-289 Applied Music: Trumpet

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-292 Applied Music: Viola

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-293 Applied Music: Viola

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees

are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-296 Applied Music: Violin

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 300.00 additional; 200 level -2 credits are 600.00 additional

MUS-297 Applied Music: Violin

Arranges private instruction. [2 credits] Applied music courses are private instruction and arranged through the department chair. Upon registration the student will contact the chair of the Music department who will place the student in contact with the instructor to establish a schedule for lessons before the start of the semester. In addition to tuition, additional fees are required as follows: 100 level -1 credit is 250.00 additional; 200 level -2 credits are 500.00 additional

MUS-314 Music in the United States

Surveys the diverse musical styles in the United States through listening, discussion and analysis. Students experience the broad spectrum of American music including concert music, popular music, country music, traditional and folk music, religious music, and jazz in an historical and sociological way. Special emphasis is given to the emergence and impact of women in the U.S. as performers and composers from the 19th century to the present. Fulfills general education requirements in fine arts and cross-cultural studies. [3 credits]

MUS-320 Women and Music

Discusses and analyzes the accomplishments of women as composers, performers, educators, conductors, arts managers and patrons of the arts. A major focus of the course is experiencing musical works by women composers from the historical style periods through recorded examples and demonstrations. Fulfills general education requirement in fine arts and gender studies. [3 credits]

MUS-360 Music and Social Issues: Mutual Impact

This course maps an exploratory route through the periods of music, allowing each student to identify, define and articulate his or her own personal and creative sensibilities. The society of this 21st century lives in a world saturated with music, always heard, rarely listened to. It is less considered a component of the cultural fabric than it is an adornment. Therefore, attention is given to the political, religious and social cultures, as well as to the artistic

communities, that defined a specific era. Fulfills general education requirement in fine arts. [3 credits]

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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Peace and Justice Studies (Minor)

History and Political Science Department

Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Coordinator
Anne Henderson, Ph.D., *Department Chair*

Degrees offered

Minor

Campuses

Main Campus

The Peace and Justice Studies Minor is offered to students in the traditional undergraduate program. It is an interdisciplinary program that studies non-violent paths to justice, equity, fairness and respect.

In addition to fostering an understanding of the roots of violence and inequity, Peace and Justice Studies also teaches antidotes to violence and inequity. It leads to recognition of the roles of greed, hatred, fear, separation and objectification in promoting violence and inequitable relations. It directs the student to increased awareness of opportunities to act as a more responsible global citizen.

A Minor in Peace and Justice Studies can benefit students in a variety of careers including political science, public policy, the law, religion, counseling, conflict resolution, environmental issues, sociology, journalism, communication, history and ethics.

Requirements

The Peace and Justice Studies Minor consists of six courses (18 credits), including a 3-credit required Introduction to Peace and Justice Studies as well as a required 3-credit Senior Seminar. The remaining course requirements are one course devoted to roots of and antidotes to violence (violence and conflict resolution), one course focused on the roots of and antidotes to inequity (inequity and social justice), one course focused on earth sustainability, and an experiential learning course.

A student wishing to declare a Peace and Justice Studies Minor is encouraged to meet with the Program Coordinator or Department Chair to design an appropriate course of study and to receive more detailed information on courses and course cycling.

Program of Study

Required Courses

IDS-160 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-160)/HIS-160 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-160) Introduction to Peace and Justice Studies

IDS-450 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-450) Seminar Experience: Peace and Justice Studies

Experiential Learning Course — (consult with Program Coordinator)

One course on violence and conflict resolution:

HIS-200 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-200) Age of Genocide

HIS-340 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-340) History of the Holocaust

HIS/POL-325 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-325) Revolution and Terrorism

HIS-402 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-402) Women, War and Peace

HIS-404 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-404) United States Foreign Relations in the 20th Century

IDS-471 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-471) Honors: Politics and Ethics of War and Peace

POL-430 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-430) International Organizations and World Politics

RST-304 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-304) Christian Social Ethics

RST-345 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-345) Justice and Peace

One course on inequity and social justice:

HIS/POL-290 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-290) Women in Islamic Societies

PHL-322 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-322) Social and Political Philosophy

PHL-323 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-323) Feminist Philosophy

PHL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-324) Critical Theories of Race

POL-351 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-351) Problems of Developing Nations

POL-401 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401) Political and Economic Globalization

RST-411H (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-411H) Catholic Women Theologians

One course on Earth and sustainability:

BUS-436 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-436) Socially Responsible and Sustainable Business Practices

ENV-120 (https://catalog.ndm.edu/courses/list/index.php?dept=ENV#ENV-120) Earth's Biosphere

ENV-121 (https://catalog.ndm.edu/courses/list/index.php?dept=ENV#ENV-121) Earth's Physical Spheres

ENV/PHL-336 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-336) Environmental Ethics

POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues

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Notre Dame of Maryland University
(http://www.ndm.edu/)
4701 North Charles Street
Baltimore, Maryland 21210

Pharmacy Studies (Pre-Pharmacy, Pre-Professional)

Biology or Chemistry Department

Jonathan Thigpen, Pharm. D.
Jennifer Kerr, Ph.D.

Degrees offered

Major

Campuses

Main Campus

Pharmacists are health care professionals who provide complementary expertise to medical care practitioners. With the growing need for more healthcare professionals as the population ages, and with continuing sophistication of medications, pharmacists have become important members of the healthcare team. Students in the traditional undergraduate program are offered several pre-pharmacy options that provide preparation for entrance into a Doctor of Pharmacy (Pharm.D.) program.

Summary

Traditional Undergraduate Programs

Preparing for a Career in Pharmacy

Traditional undergraduate students are offered several pre-pharmacy options that provide preparation for entrance into a Doctor of Pharmacy (Pharm.D.) program. Pharmacists are health care professionals who provide complementary expertise to medical care practitioners. Their knowledge and skills are utilized in a wide range of practice settings, including but not limited to community pharmacies, health care organizations, the pharmaceutical industry, pharmacy

education, managed care, and governmental agencies. With the growing need for more healthcare professionals as the population ages, and with continuing sophistication of medications, pharmacists have become important members of the healthcare team.

The Doctor of Pharmacy degree, conferred by schools of pharmacy, is the entry point into a career in pharmacy. To prepare for admission to pharmacy school, students take a core curriculum including courses in the sciences, mathematics, social sciences, and humanities.

The Pre-pharmacy Program Coordinators will assist traditional undergraduate students in identifying the appropriate course curriculum that will prepare them for entrance into a Pharm.D. program, including the School of Pharmacy at Notre Dame. There are a number of avenues to this end, including successfully completing the necessary undergraduate prerequisites, then applying to a school of pharmacy, or completing an appropriately configured undergraduate degree, followed by application to a school of pharmacy. (The undergraduate degree is typically earned in a science-related field.) An accelerated B.A Pharm.D. track (3 + 4 undergraduate/professional curriculum) is available to qualified traditional undergraduate students through the School of Arts and Sciences and the School of Pharmacy.

Pre-Pharmacy Program

In the Pre-pharmacy Program Option, a student follows a curriculum (approximately 74 credits) to complete specific courses in Biology, Chemistry, Mathematics, Physics and Liberal Arts. Students should indicate their intent to participate in the Pre-pharmacy Program by noting this on their application for admission and subsequently on the Declaration of Major form. Each student should contact her advisor or the pre-pharmacy program coordinator in order to plan her Program of Study and learn about program requirements; this must be done prior to registration.

During the Program of Study, students may need to take the Pharmacy College Admission Test (PCAT) and will apply for admission to a particular pharmacy school. They follow all application guidelines presented by the school of pharmacy regarding application procedures, deadlines, recommendation letters and interviews. Each school of pharmacy determines its own admission standards. Students are responsible for determining the unique prerequisite courses that are required by the school of pharmacy to which they will apply.

The Pre-pharmacy Program of Study for students at Notre Dame is shown below. It must be noted that study in summer and Winterim may be needed to complete the program in a timely manner. All students who are interested in the Program should consult their advisors and the Pre-pharmacy Program Coordinator for specific advice and course approval. Representatives from Notre Dame's School of Pharmacy are also available to students for consultation.

Courses in the Pre-pharmacy Curriculum

Notre Dame of Maryland University reserves the right to revise the curriculum at any time when deemed necessary and to apply such revisions to registered and accepted students and to new admissions.

Requirement of 74 credits are as follows:

ENG-101 (http://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing (3)
English Literature Course (3)
COM-106 (http://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) or 206 Oral Communication/Public Speaking (3)
PHL-330 (http://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-330) or 339 Ethics/Medical Ethics (3)
ECO-211 (http://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) or 212 Micro- or Macroeconomics (3)
MAT-211 (http://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) or 212 Calculus I or II* (4)
MAT-215 (http://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics (3)

CHM-110 (http://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110),111 General Chemistry (8)
CHM-210 (http://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210), 211 Organic Chemistry (8)
BIO-111 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology (4)
BIO-201 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201), 202 Human Anatomy and Physiology I, II (8)
BIO-340 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-340) Microbiology (4)
BIO-239 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) Genetics (4)
PHY-101 (http://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) or 102 General Physics I or II* (4)
Social Sciences (6)
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First-Year Seminar (3)

Plus three elective credits (3) from religious studies, fine arts, humanities, languages, business or interdisciplinary studies, excluding science, mathematics, physical education or health care courses. See Below.

* MAT-212 (http://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212) and PHY-102 (http://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) are required to complete the Chemistry Major.

Note: Transfer students intending to apply to Notre Dame School of Pharmacy should check with the Notre Dame School of Pharmacy office of admissions to determine if science courses taken at community colleges will meet prerequisite requirements.

Recommended Elective Courses in the Pre-pharmacy Curriculum

COM-201 (http://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-201) Interpersonal & Team Communication (3)
COM-303 (http://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-303) Intercultural Communication (3)
COM-515 (http://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-505) Cross-Cultural Communication (3)
ENG-103 (http://catalog.ndm.edu/courses/list/index.php?dept=COM#ENG-103)Writing Well (3)
PHL-302 (http://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-302) Philosophy of Human Nature (3)
PHL -330 (http://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-330) or 339 (http://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-339) Ethics or Medical Ethics (3)
PHL-334 (http://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-334) Business Ethics (3)
POL-202 American Politics in Comparative Perspectives (3)
POL-217 (http://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-217) Civic Participation and Leadership (3)
POL-401 (http://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401) Political & Economic Globalization (3)
POL-440 (http://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues (3)
PSY-208 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-208) Multicultural Psychology (3)
PSY-209 Social Psychology (3)
PSY-233 (http://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-233) Human Growth & Development (3)
RST-306 (http://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-306) Christian Bioethics (3)
RST-311 (http://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-311) World Religions (3)
RST-331 (http://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-331) Comparative Religious Ethics (3)
RST-450 (http://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-450) Judaism, Christianity and Islam (3)
RST-452 (http://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-452) Buddhism and Christianity (3)
RST-347 (http://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-347) Introduction to Spirituality (3)
RST-409 (http://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-409) Death & Dying (3)

Earning a BA in Preparation for a Pharm.D. Degree

Students may decide to complete a degree in Chemistry or Biology and then apply to pharmacy school to pursue a Pharm.D. degree (appropriate pharmacy admission prerequisites are taken). This option allows the student to present a strong application and provides a second degree. Many applicants to Pharm.D. programs hold an undergraduate degree —students may improve their prospects for admission by using this option and it provides additional career paths. To complete an undergraduate degree in Chemistry or Biology, students should complete the following courses in the first semester: BIO-111 (http://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111), CHM-110 (http://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110), ENG-101 (http://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101), NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100), MAT-211 (http://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). See the Chemistry (http://catalog.ndm.edu/undergraduate/artsandsciences/chemistry/#pharmacy) and Biology (http://catalog.ndm.edu/undergraduate-catalog/school-of-arts-and-sciences/biology/#biopharm) department sections for other information and options.

Program Entrance, Standing, Admission to the School of Pharmacy, and Granting of the BA Degree

Applying to the BA-Pharm.D. Program of Study is a two step process—one application is filed for admission to the University and a supplemental application for acceptance into the accelerated program.

A student is eligible for application to the BA-Pharm.D. program if she:

1. Is an incoming first year student or a first year NDMU student in their fall semester (no transfer students accepted),
2. Scored a minimum of 550 each on the Critical Reading and Mathematics portions of the SAT, or earned a minimum ACT score of 24, and,
3. Submits a copy of high school transcripts, NDMU midterm grades (if applicable), and essay to the B.A.-Pharm.D. Program Committee.

Prospective traditional undergraduate students should apply to the Program via the Notre Dame undergraduate admission procedure. They can indicate their interest in the Program on their application and present the required application materials. Qualified students are admitted to the Program prior to their first year of study or during the fall semester of their 1st year.

While in the Program, each student must maintain an overall GPA of 3.0 and a science GPA of 3.0 while meeting course grade requirements. The Pre-pharmacy Program Coordinator oversees student progress with the assistance of the Pre-pharmacy Program Committee. If a student's grades fall below minimum standards for the Program, the student will be placed on probation for a period of one semester and will be removed from the Program if she does not return to the specified GPA requirements. Students dismissed from the Program will be allowed to continue in the traditional Pre-pharmacy Studies undergraduate program at Notre Dame (provided the student meets the academic standards.)

Admission requirements to the School of Pharmacy are set and administered by the School of Pharmacy. Each student enrolled in the B.A.-Pharm.D. program will complete the application for admission to the School of Pharmacy, and will be granted a guaranteed seat if the following criteria are met and process followed:

1. Complete an application to the School of Pharmacy through the Pharmacy College Application Service (PharmCAS) by the deadline indicated in the SOP admissions information.
2. Earn a minimum overall GPA of 3.0 and a science GPA of 3.0 (on a 4.0 scale).
3. Complete an interview with a favorable outcome and fulfillment of other specified requirements.

Students entering the School of Pharmacy will be subject to all policies and procedures of the Program outlined in the School of Pharmacy Handbook and Catalog. Students in the B.A.-Pharm.D. program who have successfully completed 37 credits in the School of Pharmacy first-year professional curriculum will be granted their Bachelor of Arts in Biology or Chemistry upon completion of the following courses:

The Accelerated 3+4 Year BA-Pharm.D. Program

Program Description

The Departments of Biology and Chemistry, together with the School of Pharmacy, provide an accelerated 3 + 4 year undergraduate - professional school education leading to the B.A. in Biology or Chemistry and the Doctor of Pharmacy (Pharm.D.) degrees. This Program of Study consists of three years of coursework in the traditional undergraduate program (approximately 104 credits for Biology majors or 114 credits for Chemistry majors), followed by a four-year professional curriculum of Pharmacy (147 credits) in the School of Pharmacy.

Undergraduate Requirements for the BA in Biology or Chemistry-Doctor of Pharmacy Degree Program

Students who enter this Program of Study upon admission to Notre Dame must be matriculated Biology or Chemistry Majors in the College of Arts, Sciences, and Business. Students must complete the following courses with a minimum grade of 'C' for each course, an overall GPA of at least 3.0 and a science GPA of at least 3.0. Additional requirements are outlined below.

BA in Biology Coursework

Fall		**Spring**	
First year			
CHM-110	4	CHM-111	4
BIO-111	4	BIO-239 Genetics	4
MAT-211 Calculus	4	RST-105	3
NDMU-100	4	LSP-101	3
COM-106	3	ENG-101	3
[18 credits]		[17 credits]	
Second year			
CHM-210	4	CHM-211	4
BIO-201 Human Anatomy & Physiology	4	BIO-202 Human Anatomy & Physiology	4
PHY-101	4	PHY-102	4
LSP-102	3	LSP-103	3

PHL-201	3	ECO-211/212	3
[18 credits]		[18 credits]	
Third year			
BIO-340 Microbiology	4	BIO-300/400*	4
RST-Upper Level	3	MAT-215 Statistics	3
English Literature	3	PHL-330 or PHL-339 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-339)	3
PED (not transferable to SOP)	1	Fine Arts	3
PSY/POL or SOC	3	PSY/POL or SOC	3
History	3		
[17 credits]		[16 credits]	

**In the third year, students must take one additional upper division (300/400) Biology course in either the fall or spring semester.*

BA in Chemistry Coursework

Fall		**Spring**	
First year			
CHM-110	4	CHM-111	4
BIO-111	4	BIO-239 Genetics	4
MAT-211 Calculus	4	MAT-212	4
NDMU-100	4	LSP-101	3
COM-106	3	ENG-101	3
[18 credits]		[18 credits]	
Second year			
CHM-210	4	CHM-211	4
BIO-201 Human Anatomy & Physiology	4	BIO-202 Human Anatomy & Physiology	4
PHY-101	4	PHY-102	4
LSP-102	3	LSP-103	3

PHL-201	3	ECO-211/212	3
[18 credits]		[18 credits]	
Third year			
BIO-340 Microbiology	4	MAT-215 Statistics	3
English Literature	3	PHL-330 or 339	3
PED (not transferable to SOP)	1	History	3
PSY/POL or SOC	3	PSY/POL or SOC	3
CHM-350 Chemical Literature	1	CHM-450 Chemistry Seminar	1
CHM-301 or 303	4	CHM-302 or CHM-305 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-305)	4
[16 credits]		[17 credits]	
Summer			
First year			
Fine Arts	3		
Second year			
RST-105	3		
Third year			
RST Upper Level	3		

Students may need to complete coursework during the summer to fulfill program requirements.

Program Entrance, Standing, Admission to the School of Pharmacy, and Granting of the BA Degree

Applying to the BA-Pharm.D. Program of Study is a two step process—one application is filed for admission to the University and a supplemental application for acceptance into the accelerated program.

A student is eligible for application to the BA-Pharm.D. program if she:

1. Is an incoming first year student or a first year NDMU student in their fall semester (no transfer students accepted),
2. Scored a minimum of 550 each on the Critical Reading and Mathematics portions of the SAT, or earned a minimum ACT score of 24, and,
3. Submits a copy of high school transcripts, NDMU midterm grades (if applicable), and essay to the B.A.-Pharm.D. Program Committee.

Prospective traditional undergraduate students should apply to the Program via the Notre Dame undergraduate admission procedure. They can indicate their interest in the Program on their application and present the required application materials. Qualified students are admitted to the Program prior to their first year of study or during the fall semester of their 1st year.

While in the Program, each student must maintain an overall GPA of 3.0 and a science GPA of 3.0 while meeting course grade requirements. The Pre-pharmacy Program Coordinator oversees student progress with the assistance of the Pre-pharmacy Program Committee. If a student's grades fall below minimum standards for the Program, the student will be placed on probation for a period of one semester and will be removed from the Program if she does not return to the specified GPA requirements. Students dismissed from the Program will be allowed to continue in the traditional Pre-pharmacy Studies undergraduate program at Notre Dame (provided the student meets the academic standards.)

Admission requirements to the School of Pharmacy are set and administered by the School of Pharmacy. Each student enrolled in the B.A.-Pharm.D. program will complete the application for admission to the School of Pharmacy, and will be granted a guaranteed seat if the following criteria are met and process followed:

1. Complete an application to the School of Pharmacy through the Pharmacy College Application Service (PharmCAS) by the deadline indicated in the SOP admissions information.
2. Earn a minimum overall GPA of 3.0 and a science GPA of 3.0 (on a 4.0 scale).
3. Complete an interview with a favorable outcome and fulfillment of other specified requirements.

Students entering the School of Pharmacy will be subject to all policies and procedures of the Program outlined in the School of Pharmacy Handbook and Catalog. Students in the B.A.-Pharm.D. program who have successfully completed 37 credits in the School of Pharmacy first-year professional curriculum will be granted their Bachelor of Arts in Biology or Chemistry upon completion of the following courses:

First-Year School of Pharmacy Course of Study

Fall		**Spring**	
PHRD-315: Leadership & Pharmacy Practice	2	PHRD-306: Pharmacist Care Lab II	2
PHRD-301: Pharmaceutical Calculations	2bc	PHRD-309: Immunology	3bc
PHRD-303: Pharmaceutics I & Lab	4bc	PHRD-310: Care of Diverse Populations	3
PHRD-304: Pharmacist Care Lab I	2	PHRD-311: Pharmaceutics II & Lab	4bc
PHRD-305: Biochemistry	4bc	PHRD-312: Pharmacy Practice Management	3
PHRD-307: Applied Biomedical Sciences Workshop	3bc	PHRD-313: Pharmacotherapeutics I: Principles of Medicinal Chemistry & Pharmacology*	2
PHRD-800 Career Development E-portfolio	0.5	PHRD-314: Pharmacotherapeutics II: Principles of Pharmacotherapeutics	2
[18.5-20.5 credits]		PHRD 800: Career Development E-Portfolio	0.5
		[17.5 credits]	

bCourses credited towards a B.A. in Biology
cCourses credited towards a B.A. in Chemistry

Applying to Pharmacy School

All applicants must submit an application both through the Pharmacy College Application Service (http://www.pharmcas.org/) (PharmCAS.org) and some schools require an additional School of Pharmacy Supplemental Application. Some schools also require the Pharmacy College Admissions Test (PCAT) and it is taken in the third or early

fourth year of the Pre-pharmacy Program. Students are responsible for learning about the Pharm.D. program of study and admission requirements of the schools to which they will apply. A Committee letter or individual letters of recommendation are needed as well as an interview. Experiential learning in pharmacy-related activities is an important part of the path to pharmacy school.

The School of Pharmacy at Notre Dame will guarantee interviews to up to 15 students each year from the traditional undergraduate pre-pharmacy program.

To be considered for Notre Dame School of Pharmacy admission, the student must:

- Maintain a 3.0 cumulative GPA and a minimum 3.3 GPA in pre-pharmacy courses with all pre-pharmacy/science courses carrying a grade of C or higher
- Successfully complete an admissions interview.

The Pre-pharmacy Program Coordinators and the School of Pharmacy Director of Admissions can describe this opportunity.

Notre Dame of Maryland University (http://www.ndm.edu/)
4701 North Charles Street
Baltimore, Maryland 21210

410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0,0&z=15)

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Careers at NDM (http://www.ndm.edu/about/human-resources/)

Contact Us (mailto:webmaster@ndm.edu)

Follow Us on Twitter (https://twitter.com/NotreDameofMD)

Like Us on Facebook (http://www.facebook.com/NotreDameOfMaryland)

Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Philosophy (Major, Minor)

Philosophy Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Nicole Dular, Ph.D.
Jina Fast, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus

The Philosophy Department of the College of Arts, Sciences, and Business offers a Major and Minor in Philosophy to traditional undergraduate students, and a Minor to students in the College of Adult Undergraduate Studies.

Summary

Traditional Undergraduate and College of Adult Undergraduate Studies

Philosophy, the oldest of the liberal arts, rests on Socrates' views that "all philosophy begins in wonder" and "the unexamined life is not worth living." Socrates promoted the practical uses of philosophy in everyday life, and encouraged dialogue and vigorous debate as the most effective ways of discerning truth. In this Socratic spirit, the Philosophy Department seeks to: assist students in acquiring a fundamental and realistic understanding of self and world; acquaint students with the thinking of philosophers whose ideas have most

influenced the development of our culture; and, engender in students those habits of critical and systematic thinking necessary for a coherent and ethical perspective on the world, while also nurturing their passion for social justice and equity.

Philosophical study prepares students for success in a variety of fields in academia as well as in the private and public sectors through developing and honing skills of clear and analytical thinking, problem-solving, and effective reasoning. Some program majors and minors have attended graduate schools, including the Johns Hopkins Bloomberg School of Public Health, Yale School of Divinity, American University, University of Chicago, University of Maryland School of Law, University of Maryland School of Dentistry, State University of New York at Binghamton, and University of Wales Trinity Saint David. Others have accepted positions in the fields of education, business, law, politics, and medicine.

Home to NDMU's Ethics Bowl Team and the *Phi Sigma Tau* chapter of the national philosophy honor society for students who meet the membership requirements, the Department requires a senior thesis as a capstone project for its majors. Under the advisement of a faculty member, the student chooses a philosophical subject of interest to explore in greater depth while demonstrating the skills learned over the four-year course of study. Students must earn a minimum cumulative grade point average of at least 2.0 in all courses taken to complete the requirements of the Philosophy Major.

The following Empower and Engage General Education requirements may be met by the Philosophy courses listed:
Thinking Critically and Analytically: PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201)
Pursuing Meaning, Purpose and Well Being: PHL-220, PHL-316 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-316), PHL-339 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-339)
Understanding and Valuing Diverse Identities and Perspectives: PHL-230 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-230), PHL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-324)
Becoming an Engaged Citizen: PHL-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-210)

Program of Study

Required Courses for the Major in Philosophy (Credits)

The major consists of a total of 33 credits to include:

Introductory course (3)

PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201) Introduction to Philosophy (3)

One course in religion and human nature (3)

PHL-302 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-302) Philosophy of Human Nature (3)

PHL-305 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-305) Philosophy of Religion (3)

PHL-306 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-306) Problem of Evil (3)

IDS-479 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-479) Honors: Philosophy through Literature (3)

One course in metaphysics and epistemology (3)

PHL-310 Logic (3)

PHL-316 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-316) Philosophy of Education (3)

PHL-321 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-321) Epistemology: Knowledge & Ignorance (3)

One course in ethics (3)

PHL-330 Ethics (3)

PHL-334 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-334) Business Ethics (3)

PHL-336 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-336) Environmental Ethics (3)

PHL-339 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-339) Medical Ethics (3)

One course in social philosophy (3)

PHL-315 Philosophy of Sexuality (3)

PHL-322 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-322) Social & Political Philosophy (3)

PHL-323 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-323) Feminist Philosophy (3)

PHL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-324) Philosophy of Race (3)

One course from the historical sequence (3)

PHL-312 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-312) History of Western Ancient and Medieval Philosophy (3)

PHL-313 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-313) History of Western Modern and Contemporary Philosophy (3)

PHL-376H (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-376H) Honors: Human Flourishing: Ancient Perspectives, Contemporary Interpretations (3)

One seminar (3)



PHL-422 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-422) Major Themes in Philosophy (3)

PHL-424 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-424) Major Figures in Philosophy (3)

One thesis (3)

PHL-411 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-411) Senior Thesis (3)

Electives (9) three electives, at least two of which must be the 300/400 level. One of these elective courses may be satisfied by:

PHL-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-210) Ethics Bowl: Foundations and Practice (3)

PHL-230 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-230) Gender, Self-Representation, and Popular Culture (3)

PHL-252 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-252) Extraordinary Bodies and Minds: Philosophical Perspectives on Disability (3)

PHL-463 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-463) Independent Study (3)

PHL-465 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-465) Directed Readings (3)

Minor in Philosophy

The Philosophy Department also offers a Minor in Philosophy that consists of 18 credit hours of course work in Philosophy. Courses for the Minor are chosen by the student and should be selected in consultation with a faculty member in the Philosophy Department.

Philosophy Four-Year Plan

Below is a sample Program of Study for the Philosophy Major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	Foreign Language	3

NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	3	History	3
COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Com	3	Mathematics	3
General Education/Electives	6	Social Science	3
[15 credits]		PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201) Introduction to Philosophy	3
		[15 credits]	
Second year			
PHL Historical Sequence course	3	PHL Meaning & Purpose General Education	3
Fine Arts	3	Natural Science	4
Religious Studies	3	PHL Social Philosophy course	3
PHL Ethics course	3	English Literature	3
General Education/Electives	4	General Education/Electives	3
[16 credits]		[16 credits]	
Third year			
PHL Religion and Human Nature course	3	PHL Metaphysics and Epistemology course	3
PHL 300/400 Elective	3	PHL Seminar course	3
General Education/Electives	9	General Education/Electives	9
[15 credits]		[15 credits]	
Fourth year			
PHL 300/400 Elective	3	PHL 300/400 elective	3
PHL 411 Senior Thesis	3	General Education/Electives	9
General Education/Electives	9	Physical Education/Wellness	1
[15 credits]		[13 credits]	

Courses

PHL-103 Critical Thinking

Examines the basic topics and builds the basic skills of proper reasoning, informal logic, and rational argumentation. Skills promoted include identifying arguments, extracting arguments, assessing arguments, and building rationally persuasive arguments. Topics covered include fallacies, major valid argument forms, and basic argument types such as informal arguments, and analogical arguments. Fulfills general education requirement for Thinking Critically and Analytically. [3 credits]

PHL-201 Introduction to Philosophy

Explores some of the major issues that have intrigued reflective people from time immemorial: How do we know? What is human nature? Is there life after death? Where did the universe originate? We will evaluate replies suggested from the time of Plato to the 20th century. Fulfills general education requirement for 200-level course and general education requirement for Thinking Critically and Analytically. [3 credits]

PHL-210 Ethics Bowl: Foundations and Practice

Explores both Western and Eastern philosophical traditions from the time of Confucius and the Ancient Greeks to the 21st century as students evaluate contemporary moral issues through the lenses of these traditions and their own personal values Students will examine contemporary moral issues and the methods of philosophic thought that can provide some typical solutions to the issues, and will discover the place and influence of philosophy in life today as they increase their ethical awareness and identify their own beliefs and values. Fulfills general education reqirement in Pursuing Meaning and Purpose. [3 credits]

PHL-220 The Well Examined Life: Finding Meaning

Explores both Western and Eastern philosophical traditions from the time of Confucius and the Ancient Greeks to the 21st century as students evaluate contemporary moral issues through the lenses of these traditions and their own personal values Students will examine contemporary moral issues and the methods of philosophic thought that can provide some typical solutions to the issues, and will discover the place and influence of philosophy in life today as they increase their ethical awareness and identify their own beliefs and values. Fulfills general education requiement in Pursuing Meaning and Purpose. [3 credits]

PHL-302 Philosophy of Human Nature

Explores the meaning and nature of human existence. Investigates both classic and contemporary answers to the following questions: Is the person a body or a mind? Are we free or determined? What grounds do we have for belief in God? On what principles do we judge things right or wrong? Why

should citizens obey the law? What things do we call art? When can I say "I know"? What is the meaning of life? Prerequisite: 200-level philosophy course. Fulfills general education requirement for 300/400-level course. [3 credits]

PHL-305 Philosophy of Religion

Explores, examines, and analyzes philosophical inquiry by major thinkers on issues that fall under the area of study known as the philosophy of religion, such as: the attributes and xistence of God, the problem of evil, the nature of miracles, death and immortality, and others. Specific attention will be given to the definitions, concepts, and theories that surround these questions and issues, and how understandings may be depending upon the time period and the faith-based foundation upon which philosophical inquiry has been made. Prerequisites: 200-level philosophy course. Fulfills general education requirement for 300/400-level course. [3 credits]

PHL-310 Logic

This course will address topics in both informal and formal logic, with an emphasis on formal logic. Topics covered will include argument identification and structure, the translation of English statements into propositional form, the use of truth tables, and natural deduction in propositional logic. Fulfills general education requirement for 300/400-level philosophy. [3 credits]

PHL-312 History of Ancient and Medieval Western Philosophy

Explores the major philosophical thinkers and movements in Western philosophy from the pre-Socratics to the works of Socrates. Plato and Aristotle as well as the major philosophical thinkers and movements in Western philosophy from St. Augustine in the fifth century to responses to Thomas Aquinas in the 14th and 15th centuries. Prerequisite: 200-level philosophy course. Fulfills general education requirement for 300/500 level course. [3 credits]

PHL-313 History of Modern and Contemporary Western Philosophy

Explores Western philosophic thought from the 17th and 19th centuries through the works of select Continental Rationalists and British Empiricists with a special emphasis on metaphysical and epistemological views. Considers questions (and answers) that dominate 19th and 20th century Western philosophy. Investigates the origins and themes of American pragmatism, Anglo-American philosophy of language, existential-phenomenology, critical theory and postmodernism. Offers an opportunity to make sense of emerging issues and debates in 21st century philosophy. Prerequisite: 200-level philosophy course. Fulfills general education requirement for 300/400-level philosophy course. [3 credits]

PHL-315 Philosophy of Sexuality

Employs a philosophical approach in the study of human sexuality. Specific topics include questions related to sexual orientation, lust, casual sex, adultery, love, sexual practices, relationships, and the intersectionality of sexual identity with other identities such as race and gender. As we consider these

questions, we will challenge assumptions regarding human sexuality, consider the importance of sexuality to a good life, and discuss the appropriate role of the state in human secual behavior. Fulfills general education requirement for 300/400-level philosophy course and Impact of Diversity. [3 credits]

PHL-316 Philosophy of Education

Explores philosophical principles underlying formal education as well as the principles, values, and assumptions underlying the process of learning. Examines contemporary methods of practicing and assessing philosophy in schools. Engages with philosophical texts from ancient philosophy through contemporary scholarship to address questions such as: What does it mean to learn? How can teaching be an ethical practice? How might schooling be critiqued through a philosophical lens? Prerequisite: PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201). Fulfills General Education Requirement for 300-400 level Philosophy course and general education requirement for Pusuing Meaning and Purpose. [3 credits]

PHL-321 Epistemology: Knowledge & Ignorance

Analyzes the nature and scope of human knowledge. Focuses on the ways in which knowing, believing and having an opinion differ, and investigates the limitations of reason and the boundaries of human understanding. Prerequisite: 200-level philosophy course. Fulfills general education requirement for 300/400-level course. [3 credits]

PHL-322 Social and Political Philosophy

Examines the origins and justifications of various social and political systems from ancient through contemporary times. Topics addressed may include: The moral justification of particular forms of government, the definition of community and the relationship of the individual to the community, and the importance of race and gender in society. Prerequisite: 200-level philosophy course. Fulfills general education requirements for 300/400-level course and values. [3 credits]

PHL-323 Feminist Philosophy

Investigates the meaning and significance of lived, bodily experience in the formation of human consciousness. Evaluates the history of Western Philosophy from the perspective of those who were once seen as marginal to it, and in doing so elucidates the many debates within Feminist Philosophy about the nature and limits of the philosophical enterprise. Prerequisite: 200-level philosophy course. Fulfills general education requirements for 300/400-level course, gender and diversity. [3 credits]

PHL-324 Critical Philosophy of Race

Examines the concept of race and the phenomenon of racism. Differentiates between individual racism and institutional racism, with a strong focus on the latter. Topics addressed may include: the concept of race as both constructed and real, the politics of racialized identity, epistemologies of ignorance, the persistence of racial inequality, reparations, and the intersection of race with gender, class and sexuality. The corse is heavily interdisciplinary, drawing from history, sociology, gender studies, comparative

literature, African-American studies, and Hispanic/Latino studies. Prerequisite: 200-level philosophy course. Fulfills general education requirements for 300/400-level course and general education requirement for Understanding and Valuing Diverse Identities and Perspectives. [3 credits]

PHL-330 Ethics

Introduces contemporary moral issues in light of systems suggested by major thinkers such as Aristotle, J. S. Mill and Kant. Includes considerations of topics such as abortion, euthanasia, cloning and capital punishment. Prerequisite: 200-level philosophy course. Fulfills general education requirements for 300/400-level and values. [3 credits]

PHL-334 Business Ethics

Discusses ethics as a dimension of social responsibility, the role of corporate culture in business, and emerging issues in business ethics, such as the ways in which differences will affect ethical decision making. Prerequisite: 200-level philosophy course. Fulfills general education requirements for 300/400-level course and values. [3 credits]

PHL-336 Environmental Ethics

Addresses a variety of challenging issues in environmental ethics. Topics considered may include, among others: the status of non-human animals, farming and the environment, global climate change, inter-generational justice, issues of land use, the preservation of forests and wilderness, and the use and development of energy resources. Through an examination of some of these issues, the course also introduces students to a variety of moral theories, from both philosophical and religious perspectives. The social, gender, and environmental justice implications of ecological issues are a major concern of the course. Prerequisite: 200-level philosophy course. Fulfills general education requirements for 300/400-level PHL and values. Crosslisted with ENV 336. [3 credits]

PHL-339 Medical Ethics

Explores the study of moral problems in medical practice and health care delivery while providing an historical overview of the field of medical ethics. Against the background of traditional ethical theories, students will critically explore, examine, analyze, and engage in the study of issues that arise in medical ethics. Specific attention will be given to examining the major areas of discussion and debate within the realm of medical ethics and social justice/ responsibility such as paternalism and patient autonomy, disparities in health care, and issues of life and dealth, and, through critical analysis and applied ethical theory, to the critical oral and written evaluation of case studies specific to these issues. Prerequisite: PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201). Fulfills general education requirements for 300/400-level course and values and general education requirements for Pursuing Meaning and Purpose. [3 credits]

PHL-411 Philosophy Senior Thesis

Designs a research project culminating in a thesis on a philosophical issue. At the end of the semester, the student will give an oral presentation of the thesis to department faculty, students, and invited guests. Prerequisite: philosophy major with senior status, or philosophy major with junior status and at least seven philosophy courses completed, or permission. [3 credits]

PHL-422 Major Themes in Philosophy

Provides an in-depth exploration of a major theme, concept, framework, or idea central to the discipline of philosophy. May be taken twice on different themes. Past themes include: Philosophy of Mind & Disability, Virtue Theory & Anti-Theory. Prerequisite: 200-level philosophy course. Fulfills general education requirement for cross-cultural studies ONLY WHEN THEME IS Islamic philosophy. [3 credits]

PHL-424 Major Figures in Philosophy

Provides an in-depth exploration of a major figure or group of figures, either historical or contemporary, central to the discipline of philosophy. Past themes include: Islamic Philosophy, Immanuel Kant, Simone de Beauvoir. May be taken twice on different figures. Prerequisite: 200-level philosophy course. [3 credits]

PHL-463 Independent Study

Provides an opportunity for independent work on an approved topic in philosophy. Prerequisite: 200-level philosophy course; one 300-level course; and permission of instructor. [3 credits]

PHL-465 Directed Readings in Philosophy

Provides an opportunity to explore an area of the student's particular interest under the guidance of a member of the department to permit intensive examination of the area of special interest. Prerequisite: one 200-level philosophy course; one 300-level philosophy course; permission of the instructor. [3 credits]

PHL-471 Honors: Morals and Mortality: Ethics of Exiting

Considers the structure and foundations of morality with special emphasis on ethical problems related to death and dying. Prerequisite: PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201), Morrissy scholar or permission. Fulfills general education requirement in philosophy and values. [3 credits]

Pre-Medical, Pre-Dental, Pre-Veterinary (Pre-professional)

Rebecca Zordan, Ph.D., Chairperson of the Pre-Health Professions Advisory Committee; Pre-Health Professions Advisor

Summary

Traditional Undergraduate Program

The School of Arts, Sciences, and Business offers Programs of Study for traditional undergraduate students who wish to enter allopathic and osteopathic medical, dental and veterinary schools, as well as schools of optometry, podiatric medicine and chiropractic. Students preparing for admission to such professional schools may choose any academic major as long as the minimum admissions requirements of the professional schools are met. While many students choose Biology, Chemistry or Behavioral Neuroscience as Majors, any program that gives a broad training in the liberal arts and allows completion of the proper requirements in the physical, biological, and behavioral sciences and mathematics is acceptable to professional schools. Students will be assigned an advisor for their chosen Major, as well as the Pre-Health

Professions Advisor. By working with two advisors, students will have ample academic advice to enable completion of graduation requirements and preparation for their intended professional school. The student should maintain regular contact with both Advisors to ensure the student is satisfactorily progressing toward these goals.

Graduates have been accepted to a diverse group of medical schools, including University of Maryland, Johns Hopkins University, University of Wisconsin, George Washington University, University of Connecticut, Boston University, Virginia Commonwealth University, and Drexel University Schools of Medicine, Harvard School of Dental Medicine, New York Medical College, University of Rochester School of Medicine and Dentistry, Virginia-Maryland Regional, University of Florida, Cornell University, and Michigan State University Colleges of Veterinary Medicine, and the Pennsylvania (Salus University) College of Optometry.

Students are cautioned that entrance requirements to different medical professional schools vary and are advised to consult the Catalogs or websites of the schools to which they wish to apply to acquaint themselves with specific requirements and to keep abreast of any changes in admission requirements. However, almost all medical professional schools insist that applicants have certain courses that they feel will prepare the students for their curricula. (See Standard Course Requirements for the Medical Professions (./#courserequirements) listed below.) Other courses that are frequently required or recommended include: anatomy, animal physiology, developmental biology, immunology, and computer science. When choosing courses, consideration should be given to specific professional school prerequisites as well as subject material covered in the admissions tests, *e.g.* MCAT, DAT.

Medical schools prepare students to become "total physicians," capable of understanding human needs as well as diagnosing disease and able to communicate and respond effectively and compassionately. In this regard, it is important that a student's electives should also include a wide range of humanities, behavioral and social science courses, and that extracurricular activities reflect a history of service to others.

Notre Dame has a Pre-Professional Advisory Committee whose members assist students with the application process for medical professional schools. The Committee will also prepare a Committee Letter of Recommendation (in place of three individual letters of recommendation) for qualified applicants. There are specific prerequisites for obtaining a Committee Letter, and students are advised to consult with the pre-professional advisors to obtain this information. Current students or alumna who are not in a position to secure a Committee Letter have the option of obtaining three individual letters of recommendation from faculty members and professional supervisors. Students who are considering careers in professional medicine should contact the coordinators very early in their studies so that they may be properly advised and kept aware of current information about admissions policies and trends.



Standard Course Requirements for the Medical Professions

Courses	Semesters
Biology (with lab)	2 semesters
General (Inorganic) Chemistry (with lab)	2 semesters
Organic Chemistry (with lab)	2 semesters
Biochemistry	1-2 semesters
General Physics (with lab)	2 semesters
English (includes one writing intensive course)	2 semesters
Additional courses, often required:	
Microbiology (with lab)	1 semester
Mathematics (through Calculus)	2 semesters
Basic Statistics	
Social Sciences	2-4 semesters
Humanities	2-4 semesters

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Political Science (Major, Minor)

History and Political Science Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Jennifer L. Erdman, Ph.D., *Chair*
Anne E. Henderson, Ph.D.
Adam Knight, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus

The Political Science curriculum offers in-depth instruction in American Politics, Comparative Politics, and International Affairs.

Summary

Traditional Undergraduate

The History/Political Science Department of the College of Arts, Sciences, and Business offers a Major and Minor in Political Science to traditional undergraduate students. Students in the Program may specialize in international relations, public service, law and civic engagement, or public leadership. History and political science provide an important bridge between the humanities and the social sciences. Together they invite

students to develop a wide perspective on humanity and its institutions in the past, the present and the future. They also offer students a rich variety of career preparations in academic, public or private sector opportunities.

The Program of Study in Political Science is designed to introduce students to the concepts and theories for understanding a broad range of political problems and to develop analytical skills for thinking and acting responsibly in the diverse field of political affairs. The Program is particularly distinctive for its focus on the role of women in politics, as well as issues of justice and peace. It offers unique perspectives on problems of political violence, terrorism, genocide, and human rights abuses, and provides students with experiential learning opportunities to grapple with these problems in real-world contexts.

The student is encouraged to seek practical experience in politics and law through internships in federal, state and local agencies arranged through consultation with the department advisor. The Department also sponsors a chapter of *Pi Sigma Alpha* (Alpha Delta Nu) for students who meet the membership requirements for this national honor society in political science.

The emphasis throughout is to plan a program with experiences to develop the student's potential, whether her interests and talents direct her toward graduate or professional study or toward employment in the public or private sector upon graduation. Political Science graduates have earned advanced degrees at institutions such as the University of Notre Dame School of Law, University of Maryland School of Law, University of Maryland School of Social Work, The Catholic University of America and George Washington University. Graduates are employed by organizations such as Sinai Hospital, MBNA Corporation, Primerica Financial Services, Legg Mason and Catholic Relief Services.

The following courses fulfill the general education requirements

Thinking Critically and Analytically: POL-101 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-101)

Understanding and Valuing Diverse Identities and Perspectives, Diversity: HIS-252 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-252), POL-252 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-252)

Understanding and Valuing Diverse Identities and Perspectives, Intercultural: HIS-290 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-290), POL-290 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-290), POL-351 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-351)

Becoming an Engaged Citizen: POL-217 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-217), POL-344 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-344)

Students must earn a minimum cumulative grade point average of 2.0 in all courses taken to complete the requirements of the Political Science Major.

Programs of Study

Required Courses for a Major in Political Science

POL-101 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-101) Introduction to Politics (3)

POL-103 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-103) Introduction to International Affairs (3)

POL-217 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-217) Civic Literacy and Inclusive Governance (3)

POL-351 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-351) Politics of Developing Nations (3)

POL-361 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-361) Methods in Political Science Research (3)

POL-390 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-390)/HIS-390 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-390) Environmental Politis in U.S. (3)

POL-401 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401) Political & Economic Globalization (3)

POL-430 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-430) International Organizations and World Politics (3)

POL-456 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-456) Senior Seminar (3)

Internship (3)

Three of the following:

POL-290 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-290) Gender in Islamic Societies (3

POL-325 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-325)/HIUS-325 (https://catalog.ndm.edu/courses/list/index.php?dept=HIUS#HIUS-325) Revolution and Terrorism (3)

POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Model OAS (3)

POL-404 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-404) U.S. Foreign Relations

POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues (3)

One of the following:

POL-202 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-202) American Politics in Comparative Perspective (3)

POL-219 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-219)/HIS-219 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-219) American Presidency

POL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-324) Gender, Politics and the Law (3)

POL-344 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-344) Civil Liberties/Civil Rights

POL-412 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-412) Constitution Law (3)



Required Courses for a Major in Political Science/International Relations

HIS-325 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-325)/POL-325 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-325) Revolution and Terrorism (3)

HIS-404 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-404) U.S. Foreign Relations in the 20th Century (3)

POL-103 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-103) Introduction to International Affairs (3)

POL-351 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-351) Problems of Developing Nations (3)

POL-361 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-361) Methods in Political Science Research (3)

POL-401 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401) Political and Economic Globalization (3)

POL-430 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-430) International Organizations and World Politics (3)

POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues or HIS/POL-325 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-325) Revolution and Terrorism (3)

POL-456 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-456) Senior Seminar (3)

Internship (3)

Four of the following:

HIS-200 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-200)/POL-200 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-200) Genocide (3)

HIS-252 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-252)/POL-252 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-252) Latin American History and Politics (3)

HIS-290 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-290)/POL-290 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-290) Gender in Islamic Societies (3)

HIS-328 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-328) Post-Colonial Africa (3)

HIS-331 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-331) Modern China (3)

HIS-338 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-338) Russia Since 1917 (3)

HIS-340 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-340) History of the Holocaust

HIS-402 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-402)/POL-402 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-402) Gender, War, and Peace (3)

POL-250 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-250) Political Ideologies (3)

POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Honors: Model OAS

Major in Political Science/Law and Civic Engagement

The Political Science Major with a Law and Civic Engagement track introduces students to the principal fields of inquiry and intersection within legal systems and political institutions. The Program explores the special relationships of women to law and government—as lawmakers, leaders, and policymakers. Accordingly, the Major helps prepare students to assume positions of leadership in their communities.

Students interested in attending law school should consider taking a broad undergraduate program in the liberal arts, with a particular focus on courses in English, History, Political Science and Philosophy. Successful law school applicants should have a broad understanding of History, including the various factors that have influenced the development of society in the United States. They should possess a fundamental understanding of political thought and of the contemporary American political system. Through strategic selection of courses fulfilling General Education Requirements they should also acquire mathematical and financial skills, such as an understanding of pre-calculus mathematics and an ability to analyze financial data. Finally, they should possess an understanding of human behavior and social interaction as well as an understanding of diverse cultures within and beyond the United States, of international institutions and issues, of world events, and of the increasing interdependence of the nations and communities within our world.

Required Courses for Major in Political Science/Law and Civic Engagement

POL-101 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-101) Introduction to Politics (3) OR POL-103 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-103) Introduction to International Affairs (3)

POL-202 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-202) American Politics in Comparative Perspective (3) OR POL-219 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-219) American Presidency (3)

POL-217 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-217) Civic Participation and Leadership (3)

POL-312 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-312) Legal Reasoning (3)

POL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-324) Gender, Politics, and the Law (3)

POL 344 Civil Liberties/Civil Rights (3)

POL-361 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-361) Methods in Political Science Research (3)

POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Model OAS (3) OR POL-430 International Organizations and World Politics (3)

POL-412 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-412) Constitutional Law (3)<

POL-456 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-456) Senior Seminar (3) OR HIS-456 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-456) Senior Seminar (3)

Internship OR Study Abroad (3)

Three of the following:

BUS-304 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-304) Legal Environment of Business I (3

BUS-305 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-305) Legal Environment of Business II (3)

COM-441 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-441) Mass Communication Law (3)

CRM-107 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-107) Introduction to Criminology (3)

CRM-307 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-307) Theories of Crime (3)

CRM-310 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-310) The Criminal Justice System (3)

HIS-200 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-200)/POL-200 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-200) Genocide (3)

HIS-290 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-290)/POL-290 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-290) Gender in Islamic Societies (3

HIS-344 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-344) The Holocaust (3

HIS-402 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-402) Women, War and Peace (3)

HIS-404 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-404) U.S. Foreign Relations (3)

PHL-310 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-310) Logic (3)

POL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-201) Politics of Misinformation (3)

POL-390 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-390) Environmental Policy in U.S. (3)

POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues (3)

Minor in Political Science

The Department also offers a Minor in Political Science consisting of a minimum of 18 credits of course work in Political Science. Students who wish to Minor in Political Science should consult the department chair. POL-101 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-101) and 103 are required.

Minor in Law and Civic Engagement

The Minor in Law and Civic Engagement is an 18 credit course of study designed to deepen understanding of the structures and functions of American government and the role of law in contemporary society. The Minor particularly seeks to explore the special relationships of women to law and government—as lawmakers, leaders, and policymakers. When coupled with the student's Major, the law and civic engagement Minor prepares students to assume positions of leadership in their communities. For those interested in attending law school, the Minor provides a focused set of courses aimed at providing relevant skills and knowledge. The Minor includes the following courses:

POL-202 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-202) American Politics in Comparative Perspective

POL-312 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-312) Legal Reasoning
POL-217 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-217) Civic Participation and Leadership
POL-412 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-412) Constitutional Law

Two courses from the following:

POL-101 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-101) Introduction to Political Science
POL-219 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-219) American Presidency
POL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-324) Women, Politics, and the Law
POL-344 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-344) Civil Liberties
POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Model OAS
POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues

Internship (Typical sites include state and federal courts, the Maryland State Legislature, state agencies, local government bodies, law firms, advocacy groups, and other organizations.)

Minor in Public Leadership

The Department also offers an interdisciplinary Minor in Public Leadership designed to meet the needs of students who are interested in preparing for leadership roles (professional or voluntary) after graduation. This Minor should also be useful for students active in student government by providing academic experiences related to effective leadership. The nature of this Minor makes it an effective complement to many Majors. The requirements are as follows: 18 credits consisting of 9-12 credits in academic courses and 6-9 credits in experiential components.

Required courses: POL-202 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-202) American Politics in Comparative Perspective; POL-217 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-217) Civic Participation and Leadership; and POL-319 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-319) The American Presidency or POL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-324) Women, Politics and the Law. Students taking 12 credits in academic courses will select one course from the following: HIS-208 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-208) The United States, 1900-1945 or HIS-316 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-316) The United States, 1945 to the present.

Students must also participate in at least two experiential components under faculty supervision: POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Honors: Model OAS; and an internship.

Directed Leadership Experience

Students interested in this Minor should consult the Department Chair.

Political Science Four-Year Plan

Below is a sample Program of Study for the Political Science Major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
IDS-100 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-100) Perspectives in Education	3	POL-202 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-202) American Government in Comparative Perspective	3
POL-101 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-101) Introduction to Politics	3	Natural Science	4
Foreign Language	3	Major Elective	3
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	General Education/Electives	6
History	3	[16 credits]	
[15 credits]			
Second year			
POL-103 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-103) Introduction to International Affairs	3		
ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Macroeconomics	3	General Education	3
General Education	3	Major Elective	3
MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics	3	POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues	3
Major Elective	3	General Education/Electives	6
[15 credits]		[15 credits]	

Third year			
POL-361 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-361) Methods in Research	3	POL-312 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-312) Legal Reasoning	3
POL-430 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-430) International Organizations	3	HIS-233 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-233) Europe & the World	3
Major Elective	3	Major Elective	3
General Education/Electives	6	General Education/Electives	6
[15 credits]		[15 credits]	
Fourth year			
HIS-404 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-404) U.S. Foreign Relations	3	POL-401 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401) Political & Economic Globalization	3
General Education/Electives	12	POL-217 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-217) Civic Participation & Leadership	3
[15 credits]		POL-456 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-456) Senior Seminar	3
		General Education/Electives	6
		[15 credits]	

Political Science/International Relations Four-Year Plan

Below is a sample Program of Study for the Political Science Major, with a Concentration in International Relations. Students should select courses with the assistance of a faculty advisor.

Fall	Spring
First year	

POL-103 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-103) Introduction to International Affairs	3	ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Macroeconomics	3
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	POL-252 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-252) Latin America	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives in Education	3	POL-290 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-290) Women in Islamic Society	3
Foreign Language	3	General Education/Electives	6
MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics	3	[15 credits]	
[15 credits]			

Second year

COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Fundamentals of Oral Communication		POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Model OAS	3
English Literature	3	HIS-200 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-200) Age of Genocide	3
HIS-328 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-328) Post Colonial Africa	3	General Education/Electives	9
General Education/Electives	6	[15 credits]	
[15 credits]			

Third year Study Abroad Recommended

POL-361 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-361) Methods in Research	3	HIS-233 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-233) Europe and the World	3

POL-430 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-430) Intl Organizations	3	POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues	3
General Education/Electives	9	HIS-335 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-335) Modern Japan	3
[15 credits]		General Education/Electives	6
		[15 credits]	
Fourth year			
Major Elective	9	POL-401 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401) Political & Economic Globalization	3
HIS-404 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-404) U.S. Foreign Relations	3	POL-351 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-351) Problems of Developing Nations	3
POL-312 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-312) Legal Reasoning	3	POL-338 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-338) Russia	3
[15 credits]		POL-465 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-465) Senior Seminar	3
		General Education/Electives	3
		[15 credits]	

Political Science/Public Service Four-Year Plan

Below is a sample Program of Study for the Political Science/Public Service Major. Students should select courses with the assistance of a faculty advisor.

Fall	Spring
First year	

NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives in Education	3	ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Microeconomics	3
ECO-211 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-211) Macroeconomics	3	ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3
POL-101 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-101) Introduction to Politics	3	General Education/Electives	9
Foreign Language	3	[16 credits]	
MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics	3		
[15 credits]			

Second year

POL-202 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-202) American Government in Comparative Perspective	3	HIS/POL-elective	3
BUS-211 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-211) Accounting I	3	BUS-212 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-212) Accounting II	3
General Education/Electives	9	General Education/Electives	9
[15 credits]		[15 credits]	

Third year

COM-331 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-331)/403 PR/Organizational Communication	3	POL-317 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-317) Civic Participation & Leadership	3
BUS-302 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-302)/394 Mgt/Organizational Behavior	3	POL-312 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-312) Legal Reasoning	3

POL-361 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-361) Methods in Research	3	HIS/POL-elective	3
HIS-208 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-208)/316 U.S. History	3	General Education/Elective	6
General Education/Elective	3	[15 credits]	3
[16 credits]			
Fourth year			
POL-319 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-319)/412 American Presidency	3	POL- 456 Senior Seminar	3
General Education/Electives	12	POL - Elective	3
		General Education/Electives	9
[15 credits]		[15 credits]	

Political Science/Law and Civic Engagement Four-Year Plan

Below is a sample Program of Study for Political Science/Law and Civic Engagement Major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives in Education	3	HIS/POL-200 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-200) Genocide	3
POL-101 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-101) Introduction to Politics	3	POL-202 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-202) American Government in Comparative Perspective	3
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	POL-217 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-217) Civic Participation and Leadership	3

Foreign Language	3	General Education/Electives	6
MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics	3	[15 credits]	
[15 credits]			
Second year			
POL/HIS- elective	3	HIS-200 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-200)/POL-200 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-200) Genocide	3
POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Model OAS	3	HIS-290 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-290)/POL-290 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-290) Women in Islamic Societies	3
General Education/Electives	9	General Education/Electives	9
[15 credits]		[15 credits]	
Third year			
POL-361 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-361) Methods in Political Science Research	3		
POL-344 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-344) Civil Rights/Civil Liberties	3	POL-312 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-312) Legal Reasoning	3
CRM-107 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-107) Introduction to Criminology	3	POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues	3
POL/HIS elective for major	3	Internship	3
POL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-324) Women/Politics/Law	3	Elective	3

[15 credits]		[15 credits]	
Fourth year			
POL-412 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-412) Constitutional Law	3	POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Model OAS	3
Major elective	3	Major elective	3
POL-401 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401) Globalization	3	POL/HIS-456 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-456) Senior Seminar	3
Electives	6	Electives	6
[15 credits]		[15 credits]	

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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Politics and History (Major)

History and Political Science Department

Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Jennifer L. Erdman, Ph.D., *Chair*
Anne E. Henderson, Ph.D.
Adam Knight, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus

The bachelor's degree in politics and history at NDMU explores the historical foundations of the political system in America and how that history has led to the societal inequities of class, gender, race, and sexuality that we see today. Classes will be challenged to define what it means to be an American and address the systemic changes needed to create an equitable society.

Summary

Traditional Undergraduate College

The Political Science and History Department of the College of Arts, Sciences, and Business offers a Major in Politics and History to students in the Traditional Undergraduate College.

Students must earn a minimum cumulative grade point average of 2.0 in all courses taken to complete the requirements of the Politics & History Major.

Programs of Study

Required Courses for a Major in Politics and History

Core Courses

POL-101 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-101) Introduction to Politics (3)
POL-103 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-103) Introduction to International Affairs (3)
POL-217 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-217) Civic Participation and Leadership (3)
POL-351 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-351) Politics of Developing Nations (3)
POL-361 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-361) Methods Political Science Research (3)
POL-390 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-390)/HIS-390 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-390) Environmental Politics in U.S. (3)
POL-401 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-401) Political & Economic Globalization (3)
POL-430 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-430) International Orgianzations (3
POL-456 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-456) Senior Seminar (3)
Internship (3)

Three of the Following

POL-290 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-290) Gender in Islamic Societies (3)
POL-325 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-325)/HIS-325 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-325) Revolution and Terrorism (3)
POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Model OAS (3)

POL-404 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-404) U.S. Foreign Relations (3)

POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues (3)

Electives (2 courses)

POL-202 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-202) American Politics in Comparative Perspective (3)

POL-219 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-219)/HIS-219 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-219) The American Presidency (3)

POL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-324) Gender, Politics, and the Law (3)

POL 344 Civil Liberties/Civil Rights (3)

POL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-324) Women, Politics, and the Law (3)

POL-412 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-412) Constitutional Law (3)

Four-Year Plan +

Below is a sample Program of Study for the Politics & History Major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First Year			
NDMU 100: Perspectives in Education	4	POL 103: Introduction to International Affairs	3
NDMU 100: Lab	0	Scientific Reasoning General Education	3-4
ENG 101: College Writing	3	Foreign Language	3
HIS 228: World History Since 1500	3	Major Elective	3
POL 101: Introduction to Politics	3	General Education Elective	3
Foreign Language	3		
16 credits		15-16 credits	
Second Year			

POL 217: Civil Participation & Leadership	3	HIS 217: US History Since 1865	
Quantitative Reasoning General Education	3-4	General Education Courses	
General Education Courses	6	Major Elective	
Major Elective	3		
15 credits		15 credits	
Third Year			
POL 3XX: Methods in History & Political Research	3	IDS 361: Internship	3-4
General Education Courses	6	General Education Course	3
Major Electives	6	Major Electives	9
15 credits		15-16 credits	
Fourth Year			
Major/General Electives	15-18	HIS/POL 456: Senior Seminar	3
		Major/General Electives	12-15
15-18 credits		15-18 credits	

Post-Baccalaureate Certificate in Addiction Counseling (Alcohol and Drug)

Psychology Department Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*

Degrees offered

Certificate

Campuses

Main Campus

The post-baccalaureate concentration objectives of the initiative at Notre Dame of Maryland University is directly informed by the Substance Abuse and Mental Health Services Administration's *Addiction Counseling Competencies (https://store.samhsa.gov/shin/content/SMA12-4171/SMA12-4171.pdf)*.

Post-Baccalaureate Concentration in Addiction Counseling Objectives

1. Students will acquire a transdisciplinary foundation of the complex contributions and underpinnings of addiction and demonstrate content knowledge by being able to explain the nature, characteristics, and mechanisms of addiction across the lifespan informed by current evidenced based scientific literature from a transdisciplinary perspective.
2. Students will demonstrate readiness for practice in the assessment and intervention techniques consistent with a bachelor's level certification training in providing clinical services to persons in need of addiction treatment.
3. Students will demonstrate a working understanding of substance abuse, mental health, and legal systems, will demonstrate skills in effectively navigating these systems in order to access and provide coordinated addiction services for clients, and will demonstrate the ability to work as a member of an interdisciplinary team.
4. Students will become proficient in the necessary knowledge, skill, and abilities to academically qualify to take the state certification examination to pursue state certification as a certified associate counselor – alcohol and drug (CAC-AD).

Learning Objectives

1. Students will demonstrate competence in using clinical interviewing in conducting a biopsychosocial assessment and demonstrate skill in the use of clinical assessment instruments in assessing substance related use and abuse disorders.
2. Students will demonstrate competence in making differential diagnoses and an ability to diagnose co-occurring disorders.
3. Students will demonstrate competence in developing an integrated treatment plan for treating addiction and co-occurring disorders that may include individual counseling, group counseling, family counseling, and other evidenced based treatments such as 12-step programs.
4. Students will demonstrate cultural competency and sensitivity to gender in the assessment and treatment of addiction.

Notre Dame of Maryland University will provide the necessary courses consistent with the COMAR regulations in the state of Maryland (https://health.maryland.gov/bopc/Pages/index.aspx) for students to complete the academic requirements to take the state certification examination. In addition to the completion of academic requirements, per Maryland State regulations, students must complete supervised clinical hours for which the student will be responsible for arranging and completing. The university does not award a degree or certificate in addiction counseling. The State of Maryland awards the professional certificate once the student has satisfied all the academic and supervised experience.

Assessment of learning objectives will be completed through measuring how well students achieve the learning objectives of the required courses. Although some student may decide not to pursue the supervised training required to take the certification examination, the ultimate measure of program

effectiveness would be the percentage of students who complete the NDMU program who successfully become a certified associate counselor – alcohol and drug (CAC-AD).

Post-Baccalaureate Concentration in Addiction Counseling (Alcohol and Drug)

1. Student will have already been awarded a Bachelor's degree in a human service field

2: Requires minimum of 33 credits beyond the bachelor's degree

PSY-207 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-207) Psychopathology (3 credits)

PSY-306 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-306) Theories and Techniques of Counseling and Psychotherapy (4 credits)

PSY-350 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-350) Ethics that includes Alcohol and Drug Counseling Issues (3 credits)

PSY-450 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-450) Group Counseling (4 credits)

PSY-451 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-451) Addictions Treatment Delivery (4 credits)

PSY-452 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-452) Medical Aspects of Chemical Dependency (Pharmacology) (3 credits)

PSY-461 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-461) Practicum I (4 credits)

PSY-462 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-462) Practicum II (4 credits)

Choice of 3 of the following:

PSY-233 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-233) Human Development (3 credits)

PSY-411 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-411) Topics in Substance Related and Addictive Disorder (topic rotates) (3 credits)

PSY-454 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-454) Treatment of Co-occurring Disorders (3 credits)

3: Have completed not less than 1 year with a minimum of 2,000 hours of clinically supervised experience in alcohol and drug counseling approved by the Board of Professional Counselors and Therapists (https://health.maryland.gov/bopc/Pages/index.aspx).
(https://health.maryland.gov/bopc/Pages/cac-ad.aspx)

4: Must pass the International Certification Reciprocity Consortium (ICRC)/Alcohol and Other Drug Abuse (AODA) Examination and the Maryland Law Test

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Courses

PSY-207 Psychopathology

Examines the wide range of disordered behaviors from the different scholarly perspectives that comment on "abnormality." Explores the nature of abnormality; the relationships between body and mind, and brain and behavior; and the significance of abnormal personal patterns to human relationships. Prerequisites: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-233 Human Growth and Development

Explores the principles of developmental psychology from infancy through adulthood and includes general consideration of developmental tasks through the lifespan. Prerequisite: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-306 Theories and Techniques of Counseling

Introduces counseling perspectives, models, ethics and counseling skills for students interested in the helping professions. Surveys major theoretical paradigms and emphasizes mastery of basic communication skills useful in interpersonal relations settings. All students participate in lectures, class demonstrations, role playing and peer practice by using depart-mental counseling suites. This is the foundation course for PSY-406 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-406) Advanced Therapeutic Techniques. Prerequisites: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210), PSY-205 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-205), and PSY-207 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-207) and Technical Standards as evaluated by the department. [3 credits]

PSY-350 Ethics that includes Alcohol and Drug Counseling Issues

Examines the ethical standards according to the American Psychological Association and applies the standards to common ethical conundrums, with an emphasis on issues related to drug and alcohol related disorders. Students practice applying the ethics code and demonstrate critical thinking in
how to approach and solve clinical issues ethically and competently. [3 credits]

PSY-411 Advanced Topics

Explores in depth a focused topic in psychology, based on instructor's area of specialization. Topic changes from year to year, with recent offerings including Psychology of Religion, Attachment, Psychopharmacology, Forensic Psychology, Health Psychology, Applied Behavioral Analysis, Evolutionary Psychology, and Culture of Violence. All students give a seminar paper and complete a major research paper. Prerequisite: will be noted for specific course, based on topics. Prerequisite: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210), senior status as a psychology major. Not open to minors. [3 credits]

PSY-450 Group Counseling

Pending

PSY-451 Addiction Treatment Delivery

Provides an overview of the treatment of addiction in the context of an integrated health delivery system including substance abuse, mental health, medical, and legal systems. Students learn and practice assessment strategies to determine the appropriate level of care. Students learn strategies for advocacy and assisting clients in gaining access to care with an intentional focus on reducing health disparities. Techniques for providing psychoeducation to clients, their families, and the community are acquired. Students practice constructing an integrated treatment plan and strategies for navigating complex treatment systems as an effective member of an interdisciplinary team. [3 credits]

PSY-452 Medical Aspects of Chemical Dependency (Pharmacology)

Examines the biological, genetic, and behavioral relationships in understanding the etiology of addiction. Students identify the various characteristics and classifcations of drugs of abuse and effects on the body and the mind and demonstrate sensitivity to cultural and gender differences. Students will describe the pharmacology and mechanisms of action of the major classes of drugs

of abuse and alcohol. Students learn to identify symptoms of withdrawal and tolerance. Explores the relationship between medical illnesses and addiction potential to medications. Biological treatments for addiction are explored as part of an integrated treatment plan and as part of an integrated system of care. [3 credits]

PSY-454 Treatment of Co-occuring Disorders

Explores a range of treatment approaches to co-occurring disorders. Students will demonstrate the ability to conceptualize co-occurring disorders and to develop an evidenced based
treatment plan with observable and measurable outcomes consistent with the literature Prerequisite: PSY 306. [3 credits]

PSY-461 Practicum I

Provides opportunities for field experience for qualified students under professional supervision. Allows for consultative meeting with practicum coordinator concerning career goals and aspirations, which then determine the nature of a placement most consistent with student abilities and interests. Offers students an additional opportunity for advanced training and increased levels of professional responsibility through Practicum II. Requires students to meet academic and background requirements for chosen placement and to attend an academic seminar in addition to fieldwork. Prerequisites: junior psychology major status and conference with coordinator. Not open to liberal arts majors or psychology minors. Technical Standards as evaluated by the department. Cannot retake if student receives a failing grade. Students will not be permitted to repeat PSY 461 or PSY 462 if they receive a failing grade (D or F) or are removed from their practicum site due to an ethical violation. Ethical violations are defined by the American Psychological Association's Ethical Principles of Psychologists and Code of Conduct. Ethical violations may include plagiarism. The practicum requirement cannot be waived or completed through another institution. [4 credits]

PSY-462 Practicum II

Provides opportunities for field experience for qualified students under professional supervision. Allows for consultative meeting with practicum coordinator concerning career goals and aspirations, which then determine the nature of a placement most consistent with student abilities and interests. Offers students an additional opportunity for advanced training and increased levels of professional responsibility through Practicum II. Requires students to meet academic and background requirements for chosen placement and to attend an academic seminar in addition to fieldwork. Prerequisites: junior psychology major status and conference with coordinator. Not open to liberal arts majors or psychology minors. Technical Standards as evaluated by the department. Cannot retake if student receives a failing grade. Students will not be permitted to repeat PSY 461 or PSY 462 if they receive a failing grade (D or F) or are removed

from their practicum site due to an ethical violation. Ethical violations are defined by the American Psychological Association's Ethical Principles of Psychologists and Code of Conduct. Ethical violations may include plagiarism. The practicum requirement cannot be waived or completed through another institution. [4 credits]

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(http://www.ndm.edu/)
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Baltimore, Maryland 21210

410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0&z=15)

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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Physics (Major, Minor)

Math, Computer Studies, and Physics Department
Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Charles Buehrle, Ph.D., *Chair*
Brian Christy, Ph.D.
Kristyanna Erickson, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus

The Mathematics/Physics/Computer Information Systems Department of the School of Arts, Sciences, and Business offers a Major and Minor in Physics to students in the traditional undergraduate program. Recognizing the role our field plays in other disciplines, we offer courses for department majors and non-majors that serve the students of NDMU in the Catholic Liberal Arts tradition. As an integral part of the liberal arts, we provide the students at NDMU with an understanding of the physical world, quantitative and technologically based knowledge, and enable our students to become leaders in their future professions.

Summary

Traditional Undergraduate

Physics represents humanity's most profound attempt to understand the universe in which we live by studying the events and interactions that occur in nature and by trying to comprehend the truths or laws that govern these physical processes. As the most fundamental and all-inclusive of the sciences, physics naturally forms an educational base from which students may enter many diverse occupations and careers. Graduates are employed at NASA/Goddard Space Flight Center, NASA/Marshall Space Flight Center the U.S. Department of Energy, Lockheed Martin, U.S. Army Aberdeen Test Center, Thornton Tomasetti, and the Peace Corps. Among the institutions where graduates have pursued advanced studies are Max Planck Institute for Plasma Physics, Howard University, Rochester University, Princeton University, Drexel University, George Washington University, University of Delaware, Delaware State, and Boston College.

Students majoring in physics must earn a 2.0 GPA in all courses required for the major.

Physics Majors may add an additional Major in a discipline such as Mathematics, Computer Studies or Chemistry, or Minor in one of several fields.

A student may fulfill the General Education Requirement in natural science by taking PHY-155 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-155). The cooperative program with neighboring colleges provides concentrators with a wide choice of upper-level courses and a variety of faculty viewpoints.

Programs of Study

Required Courses for a Major in Physics

PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) and PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) General Physics I, II (8)
PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) Modern Physics (3)
PHY-316L (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-316L) Classical Mechanics (3)
PHY-314 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-314) Quantum Mechanics (3)
PHY-315 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-315) Electricity and Magnetism (3)
PHY-463 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-463) Investigations in Physics (1-4)
2 or 3 upper electives (7+credits) chosen in consultation with your advisor
CST 200, 300 or 400 level
EDU/SPE 300 or 400 level
EGR 200, 300 or 400 level (Loyola or other BSEP school)
MAT 300 or 400 level
PHY 300 or 400 level

Credit is earned for PHY 463 by completing one of the following:

- Internship
- Teaching Apprenticeship

- Research Experience

CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) General Chemistry II (4)

CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Programming Concepts or CST-295 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-295) C++ Programming (3)

MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212), MAT-213 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-213) Calculus II, III (7)

MAT-214 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-214) Calculus of Vector Fields (1)

MAT-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-243) Linear Algebra (3)

MAT-315 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-315) Differential Equations (3)

Required Courses for a Minor in Physics

MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212) Calculus II (4)

PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) and PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) General Physics I, II (8)

PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) Modern Physics (3)

Plus one other course in mathematics, physics or computer science at the 200-level or higher (3)

Four-Year Plan

Below is a sample Program of Study for the Physics Major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) General Physics I	4	PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) General Physics II	4
MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) Calculus I	4	MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212) Calculus II	4
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	MAT-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-243) Linear Algebra or CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Program Concepts	3

NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	4	Foreign Language	3
[15 credits]		[14 credits]	

Second year

PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) Modern Physics	3	PHY-316L (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-316L) Classical Mechanics*	3
MAT-213 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-213) Calculus III	3	CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) General Chemistry II	4
CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) General Chem I	4	CST-171 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-171) Program Concepts or MAT-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-243) Linear Algebra	3
General Education/Electives	6	General Education	3
[16 credits]		MAT-214 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-214) Calculus of Vector Fields	1
		[14 credits]	

Third year

PH 314 Quantum Mechanics* or	3	Program Electives	6
PH 315 Electricity & Magnetism I*	3	MAT 315 Differential Equations	3
Gen Education/Electives	9	Physical Education	1
[15 credits]		PHYS 330+	3
		[16 credits]	

Fourth year

PH 315 or PH 314	3	Program Electives	3
Gen Education/Electives	12	Gen Education/Electives	9
		PHYS 463	1-4
[15 credits]		[13-17 credits]	

Notes:
+ Program electives should be chosen in consultation with the advisor.

Depending on transfer credit and courses chosen, students must complete between 35-40 credit hours of General Education coursework. Please consult with the faculty advisor for your particular situation and which courses to take that best align with your interests and career path'

'Students are required to take 120 credit hours total in order to earn the degree. Consult the faculty advisor for which courses are most appropriate to select based on interests and career goals.'

**Courses with a designation of "L" are taught at Loyola. Notre Dame students take the courses through the cooperative program. For more information, contact the Program Chair.*

Courses

PHY-101 General Physics I

Examines the fundamental physical laws of nature and their use in understanding natural phenomena. Course provides a knowledge base for study in all areas of science and mathematics. Topics include kinematics, conservation of energy and momentum, dynamics of motion, Newton's laws, rotational mechanics, and waves. Special topics such as the universal law of gravity and fluids will be covered depending on time and student interest. Development of the concepts of vector algebra and calculus are provided as needed. Three lectures, one three-hour laboratory weekly. Course must be taken with PHY-101L (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101L). Pre-requisites: MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107) or MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). Students intending to continue with PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) should take MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). [4 credits]

PHY-101L Lab: General Physics I

This lab is a co-requisite for PHY 101.

PHY-102 General Physics II

Examines the fundamental physical laws of nature and their use in understanding natural phenomena. Continues the development from PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) to topics
including: Thermodynaics, electricity and magnetism, circuits, optics, and the wave nature of light. Special topics such as the universal law of gravitation and A/C circuits will be overed depending on time and student interest. Development of the concepts of vector algebra and calculus are provided as needed. Three lectures, one three-hour laboratory weekly. Course must be taken with PHY-102L (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102L). Prerequisite: MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) or permission of instructor. [4 credits]

PHY-102L Lab: General Physics II

This lab is a co-requisite for PHY 102.

PHY-111 College Physics

Provides a survey of the field for students with interests in the health sciences. Topics include mechanics of motion, energy, thermodynamics, electricity, magnetism, atomic and nuclear structure, and radioactivity. Fulfills general education requirement in natural science. CAUS only. [3 credits]

PHY-114 Environmental Science for Educators

Interdisciplinary study of the interactions among the physical, chemical, biological, political and social forces which impact the environment. Provides students with scientific principles, concepts, and methodologies necessary to comprehend the relationships abundant within the natural world in order to identify problems, evaluate risks and examine solutions for resolving issues facing the global environment. Topics include the major biomes in the world, populations, biodiversity, water, air and land uses, energy resources, and waste management. [3 credits]

PHY-132 Environmental Science

Explores the global environment, focusing on current threats to the planet's well-being and presenting options for the future. Introduces the basic principles of ecology. Designed for non-science students. Laboratory and lecture integrated. Fulfills general education requirement in natural science. CAUS only. [3 credits]

PHY-151 Physical Science

Surveys the natural processes that occur in the physical world. Topics include astronomy, mechanics, energy, thermodynamics, ecology, atomic structure and chemical behavior. Designed for non-science majors. Three lectures, one two-hour laboratory weekly. Fulfills general education requirement in natural science. [4 credits]

PHY-151L Lab: Physical Science

This is a co-requisite for PHY 151.

PHY-155 Introduction to Astronomy

Examines the history and current understanding of the universe beyond the Earth. Surveys the night sky, the history of astronomical models, and current models for the lifecycle of stars, galaxies, and the universe as a whole. Physical laws that describe motion, gravity, and light will be explained. Special attention will be paid to the methods that scientists use to develop their models and evidence discovered to support them. The course will utilize the planetarium when possible. Fulfills the general education requirement in natural science and the general education requirement in Scientific reasoning. Three one hour lectures and one three hour laboratory weekly. [4 credits].

PHY-155L Lab: Introduction to Astronomy

This lab is a co-requisite for PSY-155 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-155).
[0 credits]

PHY-201 Modern Physics

Traces the development of ideas and theories that have shaped physics in the last 100 years. Topics include relativity, quantum theory, atomic and nuclear structure, particle physics and cosmology. Course can be used to fulfill minor in physics. Prerequisites: PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) and MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

PHY-314 Quantum Mechanics

Develops the ideas of Quantum Mechanics using Schrodinger's Equation as applied to several interesting situatins, both 1D and 3D, as well as the mathematical formalisms utilized to derive the results. Applications involve atomic physics and other topics contingent upon time and interest. Prerequisites: PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) and MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

PHY-315 Electricity and Magnetism

Develops the ideas of Electricity and Magnetism utilizing vector calculus formalism. Solves Maxwell's equations for a variety of different charge and current sources. Prerequisites: PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) and MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212). [3 credits]

PHY-316 Classical Mechanics

Offered through BSEP at Loyola University Maryland: Foundations and applications of Newtonian dynamics are applied to single particle systems, many particle systems, and rigid bodies in two and three dimensions.

PHY-317 Thermal Physics

Offered through BSEP at Loyola University Maryland: An examination of classical thermodynamic concepts including temperature, heat, entropy, free energy, and thermodynamic cycles. Also introduces the concepts of probability and statistical physics with an emphasis on the kinetic theory of gases.

PHY-330 Introduction to Modern Astrophysics

Studies the discipline of astrophysics through a survey of topics including an introduction to general relativity, an introduction to modern telescopes, and applications such as stellar astrophysics, black holes, galaxies, and/or cosmology. Prerequisites: MAT-212 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-212), PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201) and traditional undergraduate students only and Loyola University students through the Baltimore Student Exchange Program. [3 credits]

PHY-410 Quantum Physics I

PHY-411 Topics in Physics

Examines a special topic in physics at a level appropriate for an upper-level physics elective. Examples may include particle physics, experimental methods in astrophysics, or relativity. Some topics may include a lab section. Credit hours will be based on the level of engagement planned for the topic. Prerequisite: PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102). Corequisite: PHY-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-201). [1-4 credits]

PHY-413 Physical Science for Teachers K-8

This course presents an introduction to fundamental concepts and principles of Physical Science as aligned to the Next Generation Science Standards (NGSS). Physical Science as aligned to the Next Generation Science Standards (NGSS). Physical Science content includes: 1. Matter and its interactions, such as atomic structure, elemental properties, chemical bonding, and reactions. 2. Motion, Stability and Forces through an introduction to Newtonian Physics, 3. Properties of Energy, including basic thermodynamics and kinetics. 4. Waves and Technological Applications, through an exploration of the properties of waves, telecommunication, and electronics. Learners will also be expected to develop proficiency and with applying scientific concepts to create models, conduct experiments and incorporate

mathematical content in STEM cenetered investigations, lessons, and application. During the course you will learn, apply and integrate science, technology, engineering and mathematics content (STEM). [3 credits]

PHY-415 Wave Mechanics

We need a course description.

PHY-417 Electricity & Magnetism

We need a course description.

PHY-437 Field Theory

We need a course description.

PHY-461 Earth and Space Science

We need a course description.

PHY-462L Lab: Physical Science for Teachers PreK-8

This course presents an introducation to fundamental concepts and principles of Physical Science as aligned to the Next Generation Science Standards (NGSS). Physical Science content includes: 1) Matter and its Interactions, such as atomic structure, elemental properties, chemical bonding, and reactions. 2) Motion, Stability and Forces, through an introduction to Newtonian Physics. 3) Properties of Energy, including basic thermodynamics and kinetics. 4) Waves and Technological Applications, through an exploration of the properties of waves, telecommunication, and electronics. This course is designed to introduce learners to the content necessary to teach science in grades PreK-8. Learners will also be expected to develop proficiency with applying scientific concepts to create models, conduct experiments, and incorporate mathematical content in STEM centered investigations, lessons, and application. During the course you will learn, apply and integrate science, technology, engineering and mathematics content (STEM). [1 credit]

PHY-463 Investigation in Physics

Provides guided study of special topics of interest to the student under the direction of he instructor or supervised experiences in teaching physics topics. Students cannot tae both PHY-463 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-463) and IDS-496 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-496) for supervised experiences i teaching physics. Credit based on activity time. [1-4 credits]

PHY-550 Cosmos and Quanta

Examines the most recent ideas on the birth and ultimate fate of the Universe from ancient myths to modern scientific theories. Students will be able to appreciate how knowledge of the very small dimensions can inform and illuminate knowledge of the very large. Topics to be investigated include the

Big Bang Theory, the accelerating Universe, black holes, relativity, quantum, and superstring theory. Students will be able to ascertain whether science can answer fundamental questions such as whether there is a purpose to the Universe and what is humanity's role in it. No prior scientific experience necessary. [3 credits]

PHY-560 Physics for Teachers Grades K-8

This course is an introduction to the fundamental laws of nature and their application to physical phenomena through science, technology, engineering and mathematics (STEM). Physics content includes mechanics, acoustics, optics, electricity, and magnetism appropriate for educators in grades K-8. It will also include an integration of the study of number relationships and computation in problem solving. [3 credits]

PHY-560L Lab: Physics Methods for the Middle School Educator

Models of teaching and appropriate techniques for instruction of middle school students in physics with emphasis on scientific inquiry. Application of teaching-learning theory to physics in planning, motivation, instruction, questioning, discussion and assessment. Co-requisite PHY-560 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-560)

PHY-561 Earth and Space Science for Teachers K-8

This course presents an introduction to fundamental concepts of space and earth sciences. The Space and Earth science content includes topics in Geology, Astronomy, Meteorology, energy in the Earth and Space System, and Hydrology. STEM strategies as well as statistics and probability skills and technology applications are integrated to quantify, strengthen and deepen conceptual understanding. [3 credits]

PHY-561L Lab: Space and Earth Science Methods for the Middle School Educator

Models of teaching and appropriate techniques for instruction of middle school students in space and Earth science with emphasis on scientific inquiry. Application of teaching-learning theory to space and Earth science in planning, motivation, instruction, questioning, discussion and assessment. Co-requisite: PHY-561 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-561)

Psychology (Major, Minor)

Psychology Department

Pamela O'Brien, *Dean, School of Arts, Sciences and Business*

Nikeea Copeland Linder, Ph.D., *Chair*

Jon Stanton, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus

Traditional Undergraduate Studies

The Psychology Department of the School of Arts, Sciences and Business offers a Major in Psychology, and Minors in Psychology and in Forensic Psychology in the Traditional Undergraduate College. Psychology as a science (STEM program) studies mental processes as well as human and animal behavior. While the roots of psychology are in philosophy and the humanities, contemporary developments strongly support grounding the discipline in scientific thought and in empirical practice. These scientific roots place objective methods of data collection, critical thinking, analysis and theory construction at the core of the curriculum. The goal is to apply these understandings across settings to advance science and improve the quality of human life. Our

curriculum, grounded in the traditional liberal arts and the value of social responsibility, is consistent with the scientist-practitioner model. Our students learn to think critically and to be critical consumers of the scientific literature. They learn to use the Statistical Package for the Social Sciences (SPSS), take laboratory courses (such as Learning and Motivation), learn about the common and abnormal functioning of personality with an emphasis on cultural sensitivity and competence, explore the social and biological bases of behavior, are required to use APA Style, and demonstrate their ability to express themselves both orally and in writing. As a Capstone experience, students complete an individualized practicum where they apply knowledge and skills they have gained under supervision. Licensed psychologists teach clinical courses in the Psychology Program of Study.

Program Objectives

The Psychology Program of Study curriculum goals are consistent with the American Psychological Associations Guidelines for the Undergraduate Major in Psychology: Goal 1 Knowledge base; Goal 2 Scientific Inquiry and Critical Thinking; Goal 3 Ethical and Social Responsibility in a Diverse World; Goal 4 Communication; and Goal 5 Professional Development.

Integral to the Psychology Major is the psychology practicum placement where students apply knowledge and skills in field settings integrating theory, research and practice. The Practicum has evolved to include placements of national prominence in which students demonstrate mastery of psychological principles in clinical psychology, school psychology, biopsychology, animal research, clinical/psychiatric research, and guidance and counseling. Students have placements working with diverse patient populations and across all age groups.

The Psychology Program of Study prepares students for a range of career paths, including graduate school, medical school, or entry-level positions that use psychological skills and knowledge. Students can use the principles of psychology in clinical or research settings, or in the fields of education and training. Psychology complements many other courses of study, especially education, business, art and music, political science, women's studies, biology, pharmacy, criminology and communications. Understanding human behavior and scientific processes of measurement and analysis provides students with a portable skill set.

The Minor in Forensic Psychology assists students in developing counseling and communication skills to prepare them to interface with diverse populations, including victims and offenders. Graduates with this Minor will be prepared to succeed in an occupation involving interaction with people, including policymaking, community action, social research and social services.

Graduates of the Program are employed in psychology-related careers and in a variety of human service, education, research and business organizations, including Sheppard Pratt Hospital, the Baltimore County Department of Health, Crisis Intervention Centers, Kennedy Krieger Institute, Americorps, Booz Allen Hamilton, the National Institutes of Health, and the National Institute on Drug Abuse.

PSY-101 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-101) Introduction to Psychology fulfills the General Education Requirement in Social Science. PSY-375 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-375) Sex and Gender, SOC/PSY-271 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-271)Psychology/Sociology of Gender Roles, PSY-209 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-209) Social Psychology, and PSY-371 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-371) Honors Women and Her Symbols fulfill the General Education Requirement in Gender Studies. PSY-208 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-208) Multicultural Psychology and PSY-427 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-427) Psychology Study Abroad: Women Surviving Trauma and Building Peace fulfill both the General Education in Cross-Cultural Studies and Gender Studies. Students with a 3.0 Grade Point Average in Psychology who are in the top 35% of the class may become active members of *Psi Chi*, the International Honor Society in Psychology. These students typically pursue an independent study project.

Psychology Majors and Minors and students choosing Psychology as a concentration for Liberal Studies must complete all courses for the Major/Minor with a grade of C or higher.

A student must have abilities and skills in five areas for PSY 306, PSY 406, PSY 409, PSY 461, and PSY 462: 1) observation; 2) communication; 3) motor; 4) intellectual, conceptual, integrative, and quantitative; and 5) behavioral and social. Technological compensation can be made for some limitation in certain of these areas, but a student should be able to perform in a reasonably independent manner.

1. **Observation:** The student must be able to accurately make observations at a distance and close at hand. Observation necessitates the functional use of the sense of vision and somatic sensation and is enhanced by the functional use of all the other senses.
2. **Communication:** The student must be able to communicate effectively, efficiently and sensitively in both oral and written form and be able to perceive nonverbal communication.
3. **Motor:** Student must be able to coordinate both gross and fine muscular movements, maintain equilibrium and have functional use of the senses of touch and vision. The student must possess sufficient postural control, neuromuscular control and eye-to-hand coordination to perform profession-specific skills and tasks.
4. **Intellectual, Conceptual, Integrative and Quantitative Abilities:** The student must be able to problem-solve, calculate, reason, analyze, record and synthesize large amounts of information in a timely manner. The student must be able to comprehend three-dimensional relationships and understand spatial relationships.
5. **Behavioral and Social Attributes:** The student must possess the emotional health required for full utilization of his/her intellectual abilities, the exercise of good judgment and the consistent, prompt completion of all responsibilities and the development of mature, sensitive and effective relationships. Students must be able to tolerate physically, mentally and emotionally taxing workloads and to function effectively under stress. The student must be able to adapt to changing environments, to display flexibility, and to learn to function in the face of uncertainties. Compassion, integrity, concern for others, effective interpersonal skills, willingness and ability to function as an effective team player, interest and motivation to learn are all personal qualities required during the educational process.

Students who may not meet the technical standards are encouraged to contact the NDMU Director of Accessibility and Health Promotion to discuss and identify what accommodations, if any, would need to made in order that the student might be able to meet the standards.

Programs of Study

Required Courses for a Major in Psychology

PSY-101 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-101) Introductory Psychology (4)

PSY-205 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-205) Theories of Personality (3)

MAT-215 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics (Strongly recommended to be taken in the first year) (3)

PSY-210 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-210) Research Methods (4)

PSY-420 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-420) History and Systems of Psychology (3)

PSY-461 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-461) Practicum (4)

Upper Level Research Course: One of the following (4)

PSY-340 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-340) Quantitative Methods (4)

PSY-380 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-380) Qualitative Methods (4)

PSY-409 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-409) Psychometrics (4)

Outcomes Course: One of the following

PSY-411 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-411) Special Topics (3)

PSY-406 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-406) Advanced Therapeutic Techniques (4)

PSY-463 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-463) Independent Research (individual data collection project) (3)

Biological Bases (choose one)

PSY-220 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-220) Introduction to Neuroscience (3)

PSY-212 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-212) Cognition (3)

PSY-223 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-223) Biopsychology (3)

PSY-323 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-323) Sensation and Perception (4)

Behavioral Bases (choose one)

PSY-325 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-325) Learning and Motivation (4)

PSY-343 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-343)/BIO-343 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=BIO#BIO-343) Animal Behavior (4)

Developmental Bases (choose one)

PSY-203 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-203) Child and Adolescent Development (3)

PSY-233 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-233) Human Growth and Development (3)

PSY-304 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-304) Adulthood and Aging (3)

Social Bases (choose one)

PSY-260 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-260) Positive Psychology (3)

PSY-209 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-209) Social Psychology (3)

PSY-208 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-208) Multicultural Psychology (3)

PSY-271 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-271) Gender Roles (3)

PSY-375 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-375) Sex and Gender (3)

Applied (choose one)

PSY-306 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-306) Theories and Techniques of Counseling and Psychotherapy (4)

PSY-207 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-207) Psychopathology (3)

PSY-390 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-390) Career Counseling (3)

PSY-451 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-451) Addiction Treatment Delivery

PSY-452 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-452) Medical Aspects of Chemical Dependency

Two additional courses at the 200-level or above (6-8)
One of these courses must be at the 300- or 400-level (a second practicum does not fulfill this requirement).

Required Courses for a Minor in Psychology

PSY-101 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-101) Introductory Psychology (4)

PSY-205 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-205) Theories of Personality (3)

PSY-210 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-210) Research Methods (4)

(or an acceptable course from the student's major discipline as determined by the psychology department chair)
Five additional psychology electives, at least one chosen from each category, and at least two from the 300-level* (12-15)
**PSY 461 and 462 are not open to Psychology Minors.*

Required Courses for a Minor in Forensic Psychology

PSY-101 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-101) Introductory Psychology (4)
CRM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-101) Introduction to Criminology (3)
CRM-203 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=CRM#CRM-203) Theories of Crime and Social Deviance (3)
PSY-205 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-205) Theories of Personality (3)
PSY-207 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-207) Psychopathology (3)
PSY-210 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-210) Research Methods (4)
PSY-306 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-306) Theories and Techniques of Counseling (4)
PSY-409 (http://catalog.ndm.edu/ccg/courses/list/index.php?dept=PSY#PSY-409) Psychometrics (4)

Options for Psychology Majors

The Behavioral Neuroscience Major

This interdisciplinary program is designed to serve students interested in the biological basis of behavior, with primary emphasis on brain-behavior relationships. (See separate Catalog section under behavioral neuroscience (http://catalog.ndm.edu/ccg/school-of-arts-and-sciences-undergraduate-catalog/behavioralneuroscience/)). It provides a core of Biology, Chemistry, Psychology, and Neuroscience courses. Students interested in this Program should contact the Department Chair in their first year to facilitate graduation within four years.

Four-Year Plan

Below is a sample Program of Study for the Psychology Major. Students should select courses with the assistance of a faculty advisor. It is recommended that students complete MAT- 215 and PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) by their sophomore year.

Fall		Spring	
First year			
PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) Introduction to Psychology	4	100/200-level Psychology	3

NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) First Year Seminar	3	MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics	3
General Education	9	General Education/Electives	9
[16 credits]		[15 credits]	
Second year			
PSY-205 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-205)	3-4	200-level PSY course	3-4
PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) Research Methods	4	Upper Level Research Course	4
General Education/Electives	9	General Education/Electives	6
[16-17 credits]		[13-14 credits]	
Third year			
PSY courses	6-7	300-level PSY course	3-4
PSY 463 or PSY 464	3	300-level PSY course	3-4
General Education/Electives	6	General Education/Electives	9
[15-16 credits]		[15-17 credits]	
Fourth year			
PSY-420 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-420) History and Systems	3	PSY-406 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-406) or PSY-464 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-464)	3

400-level PSY course	3-4	PSY-406 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-406) or PSY-464 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-464)	3
General Elective	6-7	PSY-461 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-461)/PSY-462 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-462) Practicum	4
[13-14 credits]		General Education/Electives	6
		[16 credits]	

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Courses

PSY-101 Introductory Psychology

Examines psychology's perspective on human behavior through many human experiences: learning and memory, perception, motivation and emotion, personality, social interaction, normal and abnormal behavior, and human development. Draws from experience and fosters application to the students' own lives. This is a foundational course, and it meets prerequisite requirements for most psychology courses. Fulfills general education requirement in social science and thinking critically and analytically.
Lecture and lab. [4 credits]

PSY-101L Lab: Introductory Psychology

This lab is a co-requisite for PSY 101 focused on concept development and discipline specific skills.

PSY-130 Psychology At the Movies

Explores the impact of psychological themes and theories on popular movies within the context of culture. Consists of an intensive, didactic experience that introduces the student to related psychological research and applications as they apply to a specialty field within psychology. Special emphasis is given to the comparison of cultural and cross-cultural elements embedded and transmitted through the filmmaker's story. [3 credits]

PSY-165 Human Sexuality

Examines the role of sexuality in human behavior. Through integration of biological and psychological aspects, attempts to survey the breadth of human sexuality, alternative life styles and deviations. Includes individual differences through the life span. [3 credits]

PSY-203 Child and Adolescent Development

Surveys development from conception through adolescence. Explores methods of developmental research, major developmental theories, ways to analyze evidence generated through research, social and behavioral traits and the impact of cultural context on development. Applies concepts to teaching, parenting and working with children. Prerequisite: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) or status as an elementary education major. PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) is strongly recommended for elementary education majors and will improve student performance in this course. [3 credits]

PSY-205 Theories of Personality

Explores the structure, processes and development of personality from major theoretical perspectives, including psychoanalytic, neoanalytic, humanistic, behavioral, social behavioral and trait approaches. Emphasizes the comprehension, application and contrast of theories of personality and the enhancement of the student's critical thinking skills. Prerequisite: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-207 Psychopathology

Examines the wide range of disordered behaviors from the different scholarly perspectives that comment on "abnormality." Explores the nature of abnormality; the relationships between body and mind, and brain and behavior; and the significance of abnormal personal patterns to human relationships. Prerequisites: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-208 Multicultural Psychology

Explores the major ethnic groups and the particular psychological issues and needs relevant to specific groups. The impact of culture, race, and ethnicity on theory, research, and practice are examined. Issues related to diversity, tolerance and social behavior are explored. Specific consideration related to sex/gender differences within various cultures and ethnicities will be integral. Prerequisites PSY 101. Fulfills cross-cultural and/or gender studies requirement. [3 credits]

PSY-209 Social Psychology

Investigates the diverse mechanisms through which people influence the individual, particularly cultural socialization, stereotyping and prejudice, membership in formal and informal groups, and in close relationships. Examines topical areas of influence including attitudes, perceptual processes, conformity, conflict and aggression, roles and norms, and helping behavior, with a focus on gender. Emphasizes critical thinking about research and application of concepts to life experience. Prerequisite: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). Fulfills general education requirement for gender studies. Fulfills the social science requirement for Morrissey only. [3 credits]

PSY-210 Research Methods

Introduces the basic methods of research design and report writing in the behavioral sciences. Descriptive, correlational and experimental research strategies will be discussed. Students design original research and select appropriate data analyses. Ethical issues in each type of research design will be explored. Lecture and laboratory. Prerequisites: MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) and PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) or CRM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-101) or SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101). Satisfies the technological competency requirement. [4 credits]

PSY-210L Lab: Research & Stat Methods

This lab is a co-requisite for PSY 210 focused on concept development and discipline specific skills.

PSY-212 Cognition

Investigates the nature of thinking, including attention, perceptual organization, memory, imagery, concept formation, problem solving and language. Emphasis is placed on both research and practical applications of the decision-making process, strategies for problem solving and the facilitation of memory. Prerequisite: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-220 Introduction to Neuroscience

This course is an introduction to the human nervous system exploring bio-behavioral relationships of the brain, mind, and behavior from a multidisciplinary perspective. Topics will include the sturcture and function of the nervous system, sensory and motor functioning, cognition, motivation, emotion, consciousness, neuroplasticity, behavioral genetics, and nervous system disorders. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) or PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-223 Biopsychology

Presents a current understanding of the brain and its relationship to the behaviors of species from simple organisms to humans. Content includes the study of the anatomy and function of neural systems and their relationship to major disorders of the central nervous system. Contemporary techniques of neural investigation are included. The relationship between biopsychology and other content areas within psychology such as cognitive processes, human development, clinical psychology, learning, motivation and perception are high-lighted. Prerequisites: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) or BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) with a minimum grade of C. [3 credits]

PSY-233 Human Growth and Development

Explores the principles of developmental psychology from infancy through adulthood and includes general consideration of developmental tasks through the lifespan. Prerequisite: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-260 Positive Psychology

Focuses on the theoretical underpinnings and practical application of positive psychology. Students explore the fundamentals of positive psychology including human strength, virtues, positive emotions, happiness, love, humanity, leadership, spirituality, mindfulness, prosocial behavior, humane leadership, and approaches for living a healthy and meaningful life. Students learn how to apply and integrate these concepts into their understanding of the development of health lifestyles. They will also study their role in mitigating pathology, and analyze how these fundamentals are exhibited in work and community settings. Prerequisite: PSY 101 [3 credits]

PSY-271 Hrs: Psychology of Gender Roles

An analysis of the social sources and psychological mechanisms that shape gender role differentiation. Special attention will be given to the political, ideological behavior and social construction of gender. Historical and cross-cultural data will be used to demonstrate patterns of inequality. The psychological and social impact of gender inequality will be examined. Prerequisite: Morrissy scholar or permission. Fulfills general education requirements in social science and gender studies. [3 credits]

PSY-304 Adulthood and Aging

Explores developmental change over the adult life course in physical, cognitive and social domains. Examines issues of continuity and change and the impact of gender, ethnicity, and social and cultural context on the developing person. Gives special emphasis to the mature adult and the process of aging. Prerequisites: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210), PSY-233 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-233). [3 credits]

PSY-306 Theories and Techniques of Counseling

Introduces counseling perspectives, models, ethics and counseling skills for students interested in the helping professions. Surveys major theoretical paradigms and emphasizes mastery of basic communication skills useful in interpersonal relations settings. All students participate in lectures, class demonstrations, role playing and peer practice by using depart-mental counseling suites. This is the foundation course for PSY-406 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-406) Advanced Therapeutic Techniques. Prerequisites: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210), PSY-205 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-205), and PSY-207 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-207) and Technical Standards as evaluated by the department. [3 credits]

PSY-306L Lab: Theories and Techniques of Counseling

This lab is a co-requisite for PSY 306 focused on concept development and discipline specific skills.

PSY-311 Special Topics

Provides a contemporary approach to analyzing and evaluating current topics in psychology or behavioral neuroscience through a critical theoretical framework along with empirical evidence. Topics vary. May be repeated with different topics for a maximum of 6 credits. Prerequisites: PSY 101 and PSY 210 (or an equivalent research methods course approved by the psychology department chair) or by permission of the psychology department chair [3 credits].

PSY-323 Sensation and Perception

Investigates the structure and function of sensory receptors and the organization of sensory input for the basic senses of vision, audition, taste, smell, and touch. Lecture and laboratory. Prerequisite: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210). [4 credits]

PSY-323L Lab: Sensation & Perception

This lab is a co-requisite for PSY 323 focused on concept development and discipline specific skills.

PSY-325 Learning and Motivation

Develops knowledge and research skills in learning and the experimental analysis of behavior in both animals and humans. Covers theoretical issues, basic principles, and experimental procedures. Emphasizes biological explanatory mechanisms. Practical applications of basic principles are considered. Lecture and laboratory. Prerequisite: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210). [4 credits]

PSY-325L Lab: Learning and Motivation

The lab is a co-requisite for PSY 325 focused on concept development and diiscipline specific skills.

PSY-340 Quantitative Methods

Builds on the content of Research Methods (PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210)) to provide hands-on research and data analysis experience using more advanced techniques. Explores multivariate research designs and analysis including multifactor analysis of variance, multiple regression, factor analysis and selected non-parametric techniques. Students design and conduct a research project, write an APA research report, create a poster presentation and use professional statistical analysis software. Lecture and laboratory. Prerequisite: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210). [4 credits]

PSY-340L Lab: Quantitative Methods

This lab is a co-requisite for PSY 340 focused on concept development and discipline specific skills.

PSY-342 Assessment and Evaluation

Surveys the theory and use of a variety of assessment instruments, including personality, aptitude, vocational, intelligence and interest testing. Evaluates the role of tests and questionnaires in placement and counseling. Prerequisites: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101); statistics highly recommended. Students cannot take both PSY 342 and PSY 409 for credit. [3 credits]

PSY-343 Animal Behavior

Studies animal behavior from many perspectives, including the role of genetics and the environment, hormonal influences, and neurobiology of behavior. Consideration of evolutionary causes and consequences. Topics include the organization and development of behavior, foraging and feeding, anti-predator behavior, mating and reproductive behavior, parenting, social behavior and animal communication. Three hours lecture, three hours laboratory/field experience. Prerequisites: BIO-230 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-230) or PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [4 credits]

PSY-343L Lab: Animal Behavior

This lab is a co-requisite for PSY 343 focused on concept development and discipline specific skills.

PSY-350 Ethics that includes Alcohol and Drug Counseling Issues

Examines the ethical standards according to the American Psychological Association and applies the standards to common ethical conundrums, with an emphasis on issues related to drug and alcohol related disorders. Students practice applying the ethics code and demonstrate critical thinking in how to approach and solve clinical issues ethically and competently. [3 credits]

PSY-360 Industrial Organizational Psychology

Examines the methods, practices, and theories of industrial-organizational psychology as a specialty of psychology that focuses on individuals and structures in the workplace. Requires students to apply qualitative and quantitative methods to analyze the effectiveness and fairness of personnel management decisions in such areas as candidate selection, performance appraisal, employee training, and employee attitudes and behaviors. Prerequisites: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) and PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) or BUS-360 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-360). [3 credits]

PSY-370 Principles of Learning

Develops knowledge and practical skills in learning and the analysis of behavior applied to the work environment. Covers theoretical issues, basic principles and approaches to learning. Explores how behavioral principles are involved in employee relations and performance management. This course is

for IOP majors. Not open to PSY majors. Prerequisites: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) and PSY 210 or BUS 360. Students cannot take both PSY 370 and PSY 325 for credit. [3 credits]

PSY-371 Hrs:Women and Her Symbols

Explores symbols and symbolism related to women through interdisciplinary lenses of psychology, philosophy, literature, politics, sociology, religious and cultural traditions, and art. Students will critically examine, analyze, and discuss the use of symbols in understanding women from psychological and spiritual perspectives. The use of symbols will be explored through theories, scientific evidence, cultural and religious rituals, art, and literature. Students will complete an integrative project. Prerequisite: Morrissey Scholar or permission from instructor and Morrissey Program Director. Fulfills gender studies requirement. [3 credits]

PSY-375 Sex and Gender

Explores the evidence for the cultural and biological influences on sex differences-the development of gender identity, gender role and sexual orientation. Investigates the impact of the cultural construct of gender on attitudes and behavior. Prerequisites: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) and junior standing. Fulfills general education requirement in gender studies. [3 credits]

PSY-380 Qualitative Methods

Explores the nature of qualitative methodologies, identifies which types of research questions are most appropriate for qualitative methods, and examines the assumptions underlying qualitative methods. Course focuses on the acquisition and application of qualitative analytic skills. Students complete a project involving the application of qualitative research skills. Prerequisites PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) (or equivalent research course determined by the psychology department chair). [4 credits]

PSY-380L Lab: Qualitative Methods

This lab is a co-requisite for PSY 380 focused on concept development and discipline specific skills.

PSY-390 Career Counseling

Provides a practical and theoretical basis in personal and career development. Topics focus on occupational-educational information, career exploration techniques, vocational choice theory, and ethical standards, all within a context of diverse populations. Applications include computer-assisted career development and inventories. Prerequisite: PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). [3 credits]

PSY-406 Advanced Therapeutic Techniques

Links the practice and application of techniques that flow from basic theoretical personality models. Expands the skills of students with clinical aptitude, background and interests. Therapeutic techniques

from various clinical models are examined and tested. Communication, refocusing and redirection, behavioral assessment and change are explored. Prerequisites: PSY-205 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-205), PSY-207 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-207) and PSY-306 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-306) and Technical Standards as evaluated by the department. Conference and permission of instructor required. [3 credits]

PSY-406L Lab: Advanced Therapeutic Techniques

This lab is a co-requisite for PSY 406 focused on concept development and discipline specific skills.

PSY-409 Psychometrics

Provides opportunities for students to learn the theoretical and statistical principles related to the construction and use of psychological tests. Students will learn the standard administration, scoring, and interpretation of a borad battery of standardized cognitive and psychological assessment instruments. Students will become aware of the ethical issues related to cognitive and psychological testing. Student will be required to complete a clinical psychological assessment report analyzing and interpreting psychometric data. This course serves as an upper level research course. Lecture and laboratory. Prerequisites: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210), PSY-205 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-205) and PSY-207 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-207) and Technical Standards as evaluated by the department. [4 credits]

PSY-409L Lab: Psychometrics

This lab is a co-requisite for PSY 409 focused on concept development and discipline specific skills.

PSY-411 Advanced Topics

Explores in depth a focused topic in psychology, based on instructor's area of specialization. Topic changes from year to year, with recent offerings including Psychology of Religion, Attachment, Psychopharmacology, Forensic Psychology, Health Psychology, Applied Behavioral Analysis, Evolutionary Psychology, and Culture of Violence. All students give a seminar paper and complete a major research paper. Prerequisite: will be noted for specific course, based on topics. Prerequisite: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210), senior status as a psychology major. Not open to minors. [3 credits]

PSY-420 History and Systems of Psychology

Considers, through an analytical approach, the history and development of the ideas that shaped psychology as a scientific discipline. Seminar-style deliberation concerning development of the foundational ideas of the field of psychology. Examines how the system of psychology is presently structured. Specific attention is given to the role of women in the development of psychology. Reading of original material from basic theorists in the field is required. Prerequisite: Status as senior psychology major or minor. [3 credits]

PSY-427 Study Tour: Women Surviving Trauma and Building Peace

Examines the dynamics of trauma and resilience through service-learning working with women recovering from trauma, cultivating resilience, and building peace following the Balkan Wars. Students will explore psychological processes through the lens of psychological theories, including psychodynamic and social psychology, and analyze the impact of gender, attitudes and values in the experience of stress, trauma, coping, and resilience. Students will deepen their understanding of the attitudes, values, cultural and gender factors influencing the experience of and recovery from trauma of women through direct service and through emersion into the local cutlture. Students will reflect upon the psychological factors that contribute to resilience, conflict resolution, and peace building in the context the attitudes and values related to the culture of the region and the role of women in these processes. Fulfills an upper leve course requirement for the psychology major, and the general edcuation requirements for cross-cultural studies and gender studies. [3 credits]

PSY-450 Group Counseling

Pending

PSY-451 Addiction Treatment Delivery

Provides an overview of the treatment of addiction in the context of an integrated health delivery system including substance abuse, mental health, medical, and legal systems. Students learn and practice assessment strategies to determine the appropriate level of care. Students learn strategies for advocacy and assisting clients in gaining access to care with an intentional focus on reducing health disparities. Techniques for providing psychoeducation to clients, their families, and the community are acquired. Students practice constructing an integrated treatment plan and strategies for navigating complex treatment systems as an effective member of an interdisciplinary team. [3 credits]

PSY-452 Medical Aspects of Chemical Dependency (Pharmacology)

Examines the biological, genetic, and behavioral relationships in understanding the etiology of addiction. Students identify the various characteristics and classifcations of drugs of abuse and effects on the body and the mind and demonstrate sensitivity to cultural and gender differences. Students will describe the pharmacology and mechanisms of action of the major classes of drugs of abuse and alcohol. Students learn to identify symptoms of withdrawal and tolerance. Explores the relationship between medical illnesses and addiction potential to medications. Biological treatments for addiction are explored as part of an integrated treatment plan and as part of an integrated system of care. [3 credits]

PSY-453 Family Counseling

Pending

PSY-454 Treatment of Co-occuring Disorders

Explores a range of treatment approaches to co-occurring disorders. Students will demonstrate the ability to conceptualize co-occurring disorders and to develop an evidenced based treatment plan with observable and measurable outcomes consistent with the literature Prerequisite: PSY 306. [3 credits]

PSY-461 Practicum I

Provides opportunities for field experience for qualified students under professional supervision. Allows for consultative meeting with practicum coordinator concerning career goals and aspirations, which then determine the nature of a placement most consistent with student abilities and interests. Offers students an additional opportunity for advanced training and increased levels of professional responsibility through Practicum II. Requires students to meet academic and background requirements for chosen placement and to attend an academic seminar in addition to fieldwork. Prerequisites: junior psychology major status and conference with coordinator. Not open to liberal arts majors or psychology minors. Technical Standards as evaluated by the department. Cannot retake if student receives a failing grade. Students will not be permitted to repeat PSY 461 or PSY 462 if they receive a failing grade (D or F) or are removed from their practicum site due to an ethical violation. Ethical violations are defined by the American Psychological Association's Ethical Principles of Psychologists and Code of Conduct. Ethical violations may include plagiarism. The practicum requirement cannot be waived or completed through another institution. [4 credits]

PSY-462 Practicum II

Provides opportunities for field experience for qualified students under professional supervision. Allows for consultative meeting with practicum coordinator concerning career goals and aspirations, which then determine the nature of a placement most consistent with student abilities and interests. Offers students an additional opportunity for advanced training and increased levels of professional responsibility through Practicum II. Requires students to meet academic and background requirements for chosen placement and to attend an academic seminar in addition to fieldwork. Prerequisites: junior psychology major status and conference with coordinator. Not open to liberal arts majors or psychology minors. Technical Standards as evaluated by the department. Cannot retake if student receives a failing grade. Students will not be permitted to repeat PSY 461 or PSY 462 if they receive a failing grade (D or F) or are removed from their practicum site due to an ethical violation. Ethical violations are defined by the American Psychological Association's Ethical Principles of Psychologists and Code of Conduct. Ethical violations may include plagiarism. The practicum requirement cannot be waived or completed through another institution. [4 credits]

PSY-463 Independent Research/Independent Study

Independent study of a topic and development of a project of a student's choice. Includes directed readings, literature review and clinical study or data collection and analysis. Mentored and supervised by a faculty member of the department. Each student completes a major research paper and oral

presentation. Prerequisites: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210), PSY-340 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-340) and acceptance for supervision by a department member. [3 credits]

PSY-464 Directed Research

Students participate in the work of faculty by serving as members of a research team for one semester. May include input on project design, instrument development, data collection and analysis, literature review and development of a research report. Requirements: 10 hours/week including a one-hour conference or team meeting and one major written assignment to be determined in conjunction with the faculty supervisor. Prerequisites: PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210), PSY-340 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-340) and acceptance for supervision by a department member. [3 credits]

PSY-527 Study Tour: Women Surviving Trauma

Examines the dynamics of trauma and resilience through service-learning working with women recovering from trauma, cultivating resilience, and building peace following the Balkan Wars. Students will explore psychological processes through the lens of pschological theories, including psychodynamic and social psychology, and analyze the impact of gender, attituded and values in the experience of stress, trauma, coping, and resilience. Students will deepen their understanding of the attitudes, values, cultural and gender factors unfluencing the experience of and recovery from trauma of women through direct service and through emersion into the local culture. Students will reflect upon the psychological factors that contribute to resilience, conflict resolution, and peace building in the context the attitudes and values related to the culture of the region and the role of women in these processes. [3 credits]

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410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0&z=15)

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Racial Justice (Minor)

Criminology Department

Pamela O'Brien, *Dean, School of Arts, Sciences and Business*
Leslie A. Korb, Ph.D., *Interim Chair*

Degrees offered

Minor

Campuses

Main Campus

The criminology department, in a bold effort to advance and fortify our commitment to working for racial justice and to fulfilling our mission to educate women and men as leaders to transform the world, offers a minor of study in racial justice that any student, of any major, may choose to complete to enhance their ways understanding of the complex problem of structural racism and to formulate their own response toward dismantling structural racism through their chosen career path. Students completing this minor will explore the concepts of racism and racial justice through lenses of a range of disciplines (including criminology, philosophy, political science, psychology, religious studies, and sociology) is consistent with the liberal arts foundation of criminology.

CRM-310 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-310) Criminal Justice System

PHL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-324) Critical Philosophy of Race

POL-344 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-344) Civil Liberties, Civil Rights

PSY-2XX Racial Trauma

RST-345 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-345) Justice and Peace

SOC-209 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-209) Race, Class, and Gender

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Radiological Sciences (Major)

Department

Brian Christy, Ph.D., *Program Coordinator*

Degrees offered

Major

Campuses

Main Campus

The School of Arts, Sciences, and Business offers a baccalaureate degree linked with a clinical certification program in various areas of Radiological Sciences in collaboration with The Johns Hopkins Hospital School of Medical Imaging. Through studies in liberal arts, science and mathematics, students in the traditional undergraduate program and the College of Adult Undergraduate Studies broaden their professional knowledge and competence, strengthen their critical thinking and communication skills, develop their leadership potential and deepen their ethical commitments. The technical curriculum provides both theoretical training and practical hands-on clinical experience. There is a strong emphasis on clinical education with the aim of producing graduates who are leaders in health care.

Summary

Traditional Undergraduate Program and College of Adult Undergraduate Studies

The typical Radiological Sciences student fulfills the requisite mathematics and science courses as well as the General Education Requirements for a Bachelor of Science degree at Notre Dame. All courses credited toward the Major must be completed with a grade of C or higher. Students who have not completed a clinical training program must complete all non-clinical requirements through the traditional undergraduate program prior to admission to the clinical program (see the Three-year Sample Program of Study below). The student seeking certification in Nuclear Medicine, Diagnostic Sonography or Echocardiography must complete at least 60 college credits before starting the clinical program. Students apply to the full-time clinical program in the fall semester prior to the start of the Program. College of Adult Undergraduate Studies students must complete clinical training and be certified technologists before entering into the program. A block of credits towards the bachelor's degree is granted for the clinical program. Further credits from prior education are awarded upon evaluation of transcripts and in consultation with the student's advisor.

Driven by an aging population and advances in technology, there is a great demand for professionals in this field. Students must demonstrate academic excellence, strong interpersonal skills, and knowledge of the profession. Under the guidance of the radiological sciences program coordinator, the qualified student begins the application process for clinical studies. Students must monitor the qualifications for admission to Programs in which they are interested to ensure they have met all the requirements for clinical training. They are expected to confer regularly with the coordinator as to their readiness and preparedness for clinical study. The clinical training site determines the admissions criteria for the clinical component, in accord with the professional accrediting agencies. Students are advised that admission to the clinical component of this program is highly competitive and determined by the hospital.

On completing the academic and clinical programs, students are qualified to become licensed medical imaging technologists by passing the National Registry Exam.

The Maryland Higher Education Commission and the Maryland State Board of Higher Education approve these programs for the education of veterans.

Students in a Bachelor of Science degree program follow the general education program for a Bachelor of Arts degree, except for Fine Arts and Foreign Language, which are recommended, but not required.

The student completes one of the following full-time clinical certification programs, as shown in the table below, to obtain the degree.

Clinical Certification Programs

- Radiography - 18 months
- Nuclear Medicine Technology - 18 months
- Diagnostic Medical Sonography - 18 months

Currently, the Radiography Program is accredited by the Joint Review Committee (JRC) on Education in Radiologic Technology; the Nuclear Medicine Technology program is accredited by the JRC on Educational Programs in Nuclear Medicine Technology; and the Diagnostic Medical Sonography is accredited by the JRC on Education in Diagnostic Medical Sonography.

Program of Study

Pre-Clinical Certification Requirements

Required Courses in Core (Credits)

CHM-108 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-108) Survey of General Organic and Biochemistry (4)

PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) General Physics I* or **PHY-111 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-111) College Physics* (4 or 3)

BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202) Human Anatomy and Physiology I & II (8)

COM-201 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-201) Interpersonal Communication* or COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) **Fundamentals of Oral Communication (3)

LCL-333 (https://catalog.ndm.edu/courses/list/index.php?dept=LCL#LCL-333) Medical Terminology (3)

MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107) Elementary Functions* or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211) Calculus I* (3 or 4)

MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics* (3)

PHL-339 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-339) Medical Ethics* (3)

PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) Introductory Psychology* (4)

CST-130 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-130) Introduction to Computer Applications I **or** CST-141 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-141) Fundamentals of Information Systems (3)

** Course also satisfies General Education Requirement*

*** CAUS students only*

Business Concentration

The purpose of the Business concentration is to meet the needs of Radiological Sciences professionals in middle-level positions who find themselves supervising staff or who have substantial information systems responsibilities beyond the level of their preparation in typical clinical certification

Core Required Courses

BUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-202) Principles of Management (3)

BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing (3)

BUS-416 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-416) Managing Financial Resources (3)

ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Introduction to Microeconomics (3)

3 Business Electives chosen in consultation with the advisor at the 300 level or higher.

Three-Year Plan

Below is a sample Program of Study for the Radiological Sciences Major in the traditional undergraduate program prior to clinical training (required for Radiography, recommended for all modalities). Students should select courses with the assistance of the program coordinator. (See course descriptions for a list of required courses and a description of course and program options.)

Fall/Winterim		**Spring**	
First year			
BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology	4	PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201) 200-level Philosophy	3
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics	4
PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) Intro. Psychology	4	COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Hum Comm in a Digital World	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives in Education	4	BUS Elective	6
Gen Ed	3	Gen Ed	3
[18 credits]		[18 credits]	
Second year			

CHM-108 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-108) Survey of General, Organic and Biochem	4	BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202) Human Anatomy & Physiology II	4
BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) Human Anatomy & Physiology I	4	MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107) Elementary Functions	3
PHL-339 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-339) Medical Ethics	3	Physical Education	1
BUS- 202 Principles of Management	3	BUS-416 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-416) Managing Financial Resources	3
ECO-212 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-212) Introduction to Microeconomics	3	LCL-333 (https://catalog.ndm.edu/courses/list/index.php?dept=LCL#LCL-333) Medical Terminology	3
[17 credits]		[14 credits]	

Third year

PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101) General Physics I	4	Gen Ed	6
BUS-203 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-203) Principles of Marketing	3	RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) Intro. to Biblical Studies	3
CST-130 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-130) Intro to Computer Applic I **or** CST-141 (https://catalog.ndm.edu/courses/list/index.php?dept=CST#CST-141) Fundamentals of Info Systems	3	BUS Elective	3

Foriegn Language Requirement (*level 101)*	3	Foreign Language Requirement (*level 102)*	3
[17 credits]		[15 credits]	

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Courses

BIO-201 Human Anatomy and Physiology I

Integrates the study of structure with function of the human body. As a suite of courses, BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and 202 are intended for students interested in satisfying requirements for pharmacy, nursing, and various allied health programs. The content and level of delivery of both BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and 202 are structured so that they are compatible with similar courses offered by cooperating institutions. BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) includes discussion of cellular, tissue, integumentary, skeletal, muscular and neural systems. Includes laboratory study of anatomical models of humans and skeletal components, and dissection of a cat. BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202) includes discussion of endocrine, circulatory, immunological, digestive, urinary and reproductive systems. Strongly emphasizes study of physiological functions that includes monitoring of body systems with analog and digital hardware. Each course includes three hours lecture and three hours laboratory. A competency exam covering basic chemistry and biology may be administered at the first class meeting and weighed in the final grade. To begin the course sequence, the student must complete BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) or the equivalent with a minimum grade of C or obtain permission of the instructor. BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) with minimum grade of C is a prerequisite for BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202). [4 credits each term]

BIO-202 Human Anatomy and Physiology II

Integrates the study of structure with function of the human body. As a suite of courses, BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and 202 are intended for students interested in satisfying requirements for pharmacy and various allied health programs. The content and level of delivery of both BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) and 202 are structured so that they are compatible with similar courses offered by cooperating institutions. BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) includes discussion of cellular, tissue, integumentary, skeletal, muscular and neural systems. Includes laboratory study of anatomical models of humans and skeletal components, and dissection of a cat. BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202) includes discussion of endocrine, circulatory, immunological, digestive, urinary and reproductive systems. Strongly

emphasizes study of physiological functions that includes monitoring of body systems with analog and digital hardware. Each course includes three hours lecture and three hours laboratory. A competency exam covering basic chemistry and biology may be administered at the first class meeting and weighed in the final grade. To begin the course sequence, the student must complete BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) or the equivalent with a minimum grade of C or obtain permission of the instructor. BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) with minimum grade of C is a prerequisite for BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202). [4 credits each term]

BUS-202 Principles of Management

Examines organizational, human resources, operational, and functional aspects of ethically managing activities of diverse workforces in organizational settings. Analyzes traditional managerial functions of planning, organizing,leading and controlling within the context of changing demands in orgsnizations that compete effectively in an interconnected, global environment. [3 credits]

BUS-203 Principles of Marketing

Introduces the language of marketing and examines the strategic marketing process.
While formulating viable marketing strategies for diverse business situations, learners will gain experience gathering and analyzing industry and market data, as well as implementing core-marketing concepts such as market segmentation, targeting, positioning, and the marketing mix in the formulation and implementation of real-world marketing strategies. This course culminates in the development of a marketing plan for a new product, service or retail establishment. [3 credits]

BUS-416 Managing Financial Resources

Provides students with an overview of the accounting and financial tools necessary for managers. Addresses the development and analysis of basic financial statements, the development of budgets (both operating and capital), and other techniques of financial analysis for management decision-making. Prerequisite: general education mathematics requirement. Business majors may not take this course; students who have taken BUS-255 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-255) may not take this course. [3 credits]

CHM-104 Introduction to Inorganic Chemistry

Emphasizes the fundamental concepts and principles that form the basis of general/inorganic chemistry and those that are particularly pertinent to the health sciences. The following topics are covered: methods of chemistry, understanding the Periodic Table, chemical bonding and properties, chemical reactions and calculations, acids and bases, solutions, behavior of gases, and quantitative and descriptive aspects of chemistry. Use of practical applications will aid students in understanding

scientific problems. Laboratory engages students in a variety of chemical experiments that enhance the understanding of lecture topics. Lab and lecture integrated. Fulfills general education requirement in natural sciences for radiological sciences. [4 credits]

CHM-106 Introduction to Organic Chemistry

Presents the basic principles of organic chemistry which include identification and reactions of the fundamental groups, system of nomenclature and stereochemistry. Students also will investigate the properties and reactions of complex organic compounds such as carbohydrates, lipids and proteins. The laboratory engages students in techniques and methods that are used by chemists to identify, synthesize and purify organic compounds. Lab and lecture integrated. Prerequisite: CHM-104 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-104). [4 credits]

CHM-110 General Chemistry I

Focuses on fundamental chemical concepts and principles with emphasis on inorganic compounds. Explores descriptive and quantitative aspects of chemistry, including atomic and molecular structure, chemical bonding, states of matter, solutions, basic thermodynamics, electrochemistry, equilibrium, acids and bases, and kinetics. Laboratory is coordinated with lecture and emphasizes basic techniques such as titration, spectroscopy, and quantitative and qualitative analysis, along with inorganic synthesis and calculator-based experiments. Three lectures, one discussion period and one laboratory each week. High school algebra required. Satisfies the general education requirement in natural science. [4 credits]

CHM-111 General Chemistry II

Focuses on fundamental chemical concepts and principles with emphasis on inorganic compounds. Explores descriptive and quantitative aspects of chemistry, including atomic and molecular structure, chemical bonding, states of matter, solutions, basic thermodynamics, electrochemistry, equilibrium, acids and bases, and kinetics. Laboratory is coordinated with lecture and emphasizes basic techniques such as titration, spectroscopy, and quantitative and qualitative analysis, along with inorganic synthesis and calculator-based experiments. Three lectures, one discussion period and one laboratory each week. High school algebra required. Prerequisites: CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) with a minimum grade of C or permission of Chair. Permission of the instructor is required to enroll in CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) if the prerequisite CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) was not fulfilled at Notre Dame. [4 credits]

CHM-210 Organic Chemistry I

Focuses on functional group classification, nomenclature, synthesis, and reactions with a strong emphasis on reaction mechanisms of organic compounds. Laboratory is coordinated with lecture material and stresses basic techniques such as distillation, recrystallization, extraction, and

chromatography, along with organic synthesis using macroscale applications. Three lectures, one discussion and one laboratory period per week. Prerequisites: CHM-111 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-111) with a minimum grade of C or permission of Chair. [4 credits]

CHM-211 Organic Chemistry II

Focuses on functional group classification, nomenclature, synthesis, reactions, and spectroscopic analysis with a strong emphasis on reaction mechanisms of organic compounds. Laboratory is coordinated with lecture material and stresses basic techniques such as distillation, recrystallization, extraction, and chromatography, along with organic synthesis using microscale applications. Laboratory also includes an introduction to organic structure determination using a variety of spectral methods, including nuclear magnetic resonance spectroscopy, infrared spectroscopy and mass spectrometry. Three lectures, one discussion and one laboratory period per week. Prerequisites for: CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) with a minimum grade of C or permission of Chair. Permission of the instructor is required to enroll in CHM-211 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-211) if the prerequisite CHM-210 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-210) was not fulfilled at Notre Dame. [4 credits]

COM-106 Human Communication in a Digital World

Examines the role that digital technology plays in the communication process. Students will explore how changes in technology impact that ways in which people communicate, both publicly and privately. How technology integrates into and impacts human interactions will be examined. Students will learn how to use technology to create effective communication messages for various contexts, as well as discuss how context impacts the ways in which communication messages need to be created and conveyed. This course will also provide students with the skills to critically analyze communication and media messages. Fulfills the generaleducation requirement in oral communication. [3 credits]

COM-201 Interpersonal and Team Communication

Examines concepts, principles and skills central to interpersonal communication processes. Develops understanding of verbal and nonverbal dimensions of human interaction from both experiential and competency-based approaches. Consideration given to group dynamics. Students write reflective journals and participate in a number of workshop experiences. [3 credits]

CST-130 Introduction to Computer Applications I Applications

Emphasizes problem-solving skills for all disciplines, such as creating formatted documents, using spreadsheets to analyze information quantitatively, editing image visual computer presentations to accompany reports. In addition, course examines up-to-date computer security and privacy issues. Course focuses on computer competencies for the non-major. [3 credits]

CST-141 Fundamentals of Information Systems

Introduces the characteristics and architectures of information systems and their impact on businesses. Explores elements of computer hardware, a variety of software capabilities, telecommunications infrastructure and the system development life cycle. This is the gateway course in the major. Satisfies the technological competency requirement. [3 credits]

ECO-212 Introduction to Microeconomics

Examines the manner in which prices are determined and limited resources are allocated efficiently through mastery of basic supply and demand. Considers the behavior of producers and consumers under various competitive conditions. Assesses the role of government in responding to market failures. Fulfills general education requirement in social science. [3 credits]

LCL-333 Medical Terminology

Instructs the student on the identification of the four common word elements (prefix, suffix, root word and combining vowel), in a medical word in order to understand the medical term as a whole entity. This course will facilitate the understanding of the Latin and Greek language basis of medical terminology. [3 credits]

MAT-107 Elementary Functions

Provides preparation for study of calculus and is also designed for pre-service elementary educators with a strong interest in mathematics. Covers polynomial, exponential, logarithmic and trigonometric functions and their applications. Graphing calculator is used throughout the course. Prerequisite: Strong algebraic background (as evidenced by placement test) or completion of MAT-100 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-100) or MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103). Fulfills General Education Requirement in Quantitative Reasoning. [3 credits]

MAT-211 Calculus I

Introduces functions, limits, continuity, differential calculus of polynomial, rational, trigonometric, inverse trigonometric, exponential and logarithmic functions, as well as basic integration techniques. Applications are considered throughout the course with an emphasis on the natural sciences. Weekly laboratory is an integral part of the course. Graphing calculators are used to explore topics covered. Fulfills the general education requirement in Quantitative
Reasoning. Prerequisite: Placement in MAT 211 or successful completion of MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107). [4 credits]

MAT-215 Basic Statistics

Introduces the basic ideas of statistics: descriptive statistics, central tendency variability, probability distributions, sampling, estimation, hypothesis testing, correlation and regression, multinomial experiments, contingency tables and analysis of variance. A statistical software package is used.

Designed for students
in a variety of fields that rely on regular statistical analysis in decision-making. Fulfills general education requirement in Quantitative Reasoning. Prerequisite: Placement in MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) or successful completion of MAT-100 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-100), MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103), or MAT-116 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-116) is recommended. [3 credits]

PHL-339 Medical Ethics

Explores the study of moral problems in medical practice and health care delivery while providing an historical overview of the field of medical ethics. Against the background of traditional ethical theories, students will critically explore, examine, analyze, and engage in the study of issues that arise in medical ethics. Specific attention will be given to examining the major areas of discussion and debate within the realm of medical ethics and social justice/ responsibility such as paternalism and patient autonomy, disparities in health care, and issues of life and dealth, and, through critical analysis and applied ethical theory, to the critical oral and written evaluation of case studies specific to these issues. Prerequisite: PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201). Fulfills general education requirements for 300/400-level course and values and general education requirements for Pursuing Meaning and Purpose. [3 credits]

PHY-101 General Physics I

Examines the fundamental physical laws of nature and their use in understanding natural phenomena. Course provides a knowledge base for study in all areas of science and mathematics. Topics include kinematics, conservation of energy and momentum, dynamics of motion, Newton's laws, rotational mechanics, and waves. Special topics such as the universal law of gravity and fluids will be covered depending on time and student interest. Development of the concepts of vector algebra and calculus are provided as needed. Three lectures, one three-hour laboratory weekly. Course must be taken with PHY-101L (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101L). Pre-requisites: MAT-107 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-107) or MAT-110 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-110) or MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). Students intending to continue with PHY-102 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-102) should take MAT-211 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-211). [4 credits]

PHY-111 College Physics

Provides a survey of the field for students with interests in the health sciences. Topics include mechanics of motion, energy, thermodynamics, electricity, magnetism, atomic and nuclear structure, and radioactivity. Fulfills general education requirement in natural science. CAUS only. [3 credits]



PSY-101 Introductory Psychology

Examines psychology's perspective on human behavior through many human experiences: learning and memory, perception, motivation and emotion, personality, social interaction, normal and abnormal behavior, and human development. Draws from experience and fosters application to the students' own lives. This is a foundational course, and it meets prerequisite requirements for most psychology courses. Fulfills general education requirement in social science and thinking critically and analytically. Lecture and lab. [4 credits]

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410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0&z=15)

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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Religious Studies (Major, Minor)

Religious Studies (Major, Minor) Department

Pamela O'Brien, Ph.D., *Dean*, School of Arts, Sciences and Business
Mari Rapela Heidt, Ph.D., *Chair*
Najeeb Haddad, Ph.D.
Jens Mueller, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus

The Religious Studies Department, part of the School of Arts, Sciences, and Business offers a Major and several Minors to students. The Religious Studies Program of Study is based on four theological pillars: biblical studies, systematic theology, religious ethics, and religion and culture.

Summary

The NDMU Religious Studies and Theology program forms students into leaders who are religiously literate, culturally aware, intellectually rigorous, and socially responsible. The disciplines of Theology and Religious Studies are central to the Catholic Intellectual Tradition, and we devote ourselves to them to advance our larger University Mission: to educate leaders to transform the world. We aim to develop students' knowledge of Christian traditions and other religions of the world, and their understanding of theories and

methods in both Religious Studies and Theology. We are inspired by the charism and mission of the School Sisters of Notre Dame: to promote unity in diversity. We expect our students to cultivate a respectful appreciation for the religious commitments of all people; to think critically about religious, ethical, and theological issues; to examine and reflect on their own religious commitments; and to understand religion as an important part of human culture and history.

Graduates have gone on to graduate school in law, medicine, health care professions, theology and pastoral care. Graduates are professionals in these fields as well as in education, nursing, counseling, clinical psychology, pastoral ministry, and charitable organizations.

In addition to the Major, the Religious Studies Department offers Minors in Religious Studies, Religion and Healthcare, and Women in Religion. The Department also participates in Justice and Peace Studies and Women's Studies, as well as providing a track within the Liberal Arts Major (seven courses for the primary track or five for the supporting track).

The following Empower and Engage General Education requirements may be met by the Religious Studies courses listed:

Thinking Critically and Analytically: RST-300 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-300), RST-303 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-303), RST-306 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-306)
Pursuing Meaning and Purpose: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105)
Impact of Diversity: RST-411 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-411), RST-412 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-412), RST-361 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-361)
Intercultural Knowledge: RST-335 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-335), RST-315 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-315)
Engaged Citizenship: RST-334 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-334), RST-345 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-345), RST-457 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-457)

All courses credited toward the Major or Minor must be completed with a grade of C or higher.

Programs of Study

The Religious Studies Major provides the student with proficiency in four categories: biblical studies, systematic theology, practical theology/religion and culture, and religious ethics.

Required Courses for a Major in Religious Studies (33 credits)

Prerequisite for all Majors

RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) Introduction to Religious Studies (3)
(Please note credit hours for RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105)

are not included toward the 33 hours for the major.)

Biblical Studies (6 credits)

RST-315 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-315) Hebrew Bible/Old Testament (3)
RST-317 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-317) New Testament (3)

Systematic Theology (3 credits)

One of the following:

RST-312 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-312) Sin and Grace (3)
RST-325 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-325) Jesus Christ (3)
RST-411 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-411) Catholic Women Theologians (3)
RST-415 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-415) Church in the Modern World (3)
RST-425 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-425) God and Human Life (3)

Practical Theology (3 credits)

One of the following:

RST-305 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-305) Dating, Marriage and Family (3)
RST-345 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-345) Justice and Peace (3)
RST-347 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-347) Introduction to Spirituality (3)
RST-409 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-409) Death and Dying (3)

Religion and Culture (3 credits)

One of the following:

RST-300 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-300) American Catholicism (3)
RST-311 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-311) World Religions (3)
RST-334 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-334) Introduction to Catholic Social Thought (3)
RST-335 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-335) Global Christianity (3)
RST-360 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-360) Islam (3)
RST-361 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-361) Black Church (3)
RST-413 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-413) Women Mystics and Saints (3)
RST-427 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-427) Study Tour (3)
RST-457 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-457) Radical Christianity (3)

Religious Ethics (3 credits)

RST-303 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-303) Christian Ethics (3)
RST-304 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-304) Christian Social Ethics (3)
RST-306 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-306) Christian Bioethics (3)
RST-331 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-331) Comparative Religious Ethics (3)
RST-338 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-338) Green Discipleship (3)

Electives (12 credits)

Any four other courses at the 300/400 level from the departmental offerings.

Capstone (3 credits)

RST-460 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-460) Capstone Experience

Required Courses for a Minor in Religious Studies (18 credits)

RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) Introduction to Religious Studies (3)
RST-315 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-315) Old Testament **or** RST-317 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-317) New Testament (3)
One systematic theology course (3)
One religious ethics course (3)
Two other elective courses at 300/400 level from the departmental offerings (6)

Required Courses for a Minor in Religion and Health Care (18 credits)

RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) Introduction to Religious Studies (3)
RST-306 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-306) Christian Bioethics (3)
RST-311 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-311) World Religions **or** RST-425 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-425) God & Human Life (3)
RST-315 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-315) Hebrew Bible/ Old Testament **or** RST-317 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-317) New Testament (3)
RST-331 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-331) Comparative Religious Ethics **or** RST-425 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-425) God and Human Life (3)
RST-409 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-409) Death and Dying (3)

Required Courses for a Minor in Women in Religion (18 credits)

RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) Introduction to Religious Studies (3)
RST-303 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-303) Christian Ethics (3)

RST-305 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-305) Dating, Marriage and Family (3)
RST-340 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-340) Women in World Religions (3)
RST-303 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-303) Christian Ethics (3)
RST-412 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-412) Women and the Bible (3)
RST-411 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-411) Catholic Women Theologians **or** RST-413 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-413) Women Mystics and Saints (3)

Four-Year Plan

Below is a sample Program of Study for Religious Studies Major in the College of Arts, Sciences, and Business. Students should select courses with the assistance of the program coordinator. (See course descriptions for a list of required courses and description of course and program options.)

Fall		**Spring**	
First year			
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	Foreign Language	3
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives in Education	3	History	3
COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106)	3	Mathematics	3
RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) Intro to Religious Studies	3	Social Science	3
NDMU 100	3	RST 300/400 level Ethics	3
[15 credits]		[15 credits]	
Second year			
PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201) Introduction to Philosophy	3	PHL 300/400-level course	3

Fine Arts	3	RST-317 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-317) New Testament	3
RST-315 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-315) Hebrew Bible/Old Testament	3	RST 300/400 Systematic Theology	3
General Education/Electives	6	English Literature	3
		General Education/Electives	3
[15 credits]		[15 credits]	
Third year			
RST 300/400 Religion and Culture Course	3	RST 300/400 Elective	3
RST 300/400 Practical Theology Course	3	RST 300/400 Elective	3
General Education/Electives	9	General Education/Electives	9
[15 credits]		[15 credits]	
Fourth year			
RST 300/400 Elective	3	RST Capstone	3
RST 300/400 Elective	3	General Education/Electives	12
General Education/Electives	9	[15 credits]	
[15 credits]			

Courses

RST-105 Introduction to Religious Studies

Examines the foundations and "Big Questions" of Christian thought and practice; Scripture, Christian history, Christian spirituality, and Catholic Christianity. Includes the world-view of the SSND from the disciplines of Religious Studies and Theology. Examines and analyzes the relationship between Christianity and the other Abrahamic faiths, Judaism and Islam. Students will demonstrate an appreciation for similarities and differences between theological approaches to

values, and identify their own core values and ethical positions in relationship to theological constructs. This course is a prerequisite course for all undergraduate RST courses. Fulfills the general education requirement of pursuing meaning and purpose. [3 credits]

RST-300 American Catholicism

Examines Roman Catholicism in the United States. Topics include the history of American Catholic self-understanding; the influence of the Catholic Church on politics, education and social issues; and an examination of American Catholic socio-religious issues. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). This course fulfills the general education requirement in 300/400-level Religious Studies and in thinking critically and analytically. [3 credits]

RST-303 Christian Ethics

Presents a historical overview of Christian ethics as presented by the Bible, Augustine of Hippo, Thomas Aquinas, Martin Luther, John Calvin and contemporary figures. Examines selected topics in sexual ethics, bioethics and social ethics. prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements for 300/400-level religious studies and values.
[3 credits]

RST-304 Christian Social Ethics

Provides students with an opportunity to understand and evaluate various Christian positions on a range of contemporary moral issues related to life in society. Examines selected topics in economic ethics, social ethics and political ethics. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements for 300/400-level religious studies and values. [3 credits]

RST-305 Dating, Marriage and Families

Explores marriage as a covenant, human institution and Christian sacrament. Issues include sexuality, human intimacy, responsible parenting and family life. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements for 300/400-level religious studies and gender studies. [3 credits]

RST-306 Christian Bioethics

Provides students with an opportunity to understand and evaluate various Christian positions on a range of Contemporary moral issues related to biology, technology and medicine. Examines selected topics in the ethics of

reproduction, genetics and research, end-of-life care, and the allocation of scarce resources. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements for 300/400-level religious studies and values. [3 credits]

RST-309 Revelation and the Apocalyptic Imagination

Examines the book of Revelation and its historical context and evaluates its interpretation over time. Explores the dynamics of apocalyptic theology from early Judaism to the present, and considers whether and how one can read Revelation responsibly. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-310 Church History

A study of the growth of Christianity from its beginnings to the time of the Great Reform. It will focus especially on those persons and events whose influence shaped the churches of today and whose ideas are at the root of many contemporary faith questions.

RST-311 World Religions

Explores selected religious traditions from around the world that have differing approaches to questions of God and human life and whose understandings have shaped cultures and societies. This exploration includes the histories, practices, sacred texts, and understandings of the world from religions such as Hinduism, Buddhism, Islam, Christianity, Judaism, Daoism, and the Confucian tradition. Prerequisite: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105). Fulfills general education requirements for
upper-level religious studies and Intercultural Knowledge. [3 credits]

RST-312 Sin and Grace

Presents a historical overview of traditional Christian understandings of original sin and grace as presented by the Bible, Augustine of Hippo, Thomas Aquinas, Martin Luther and the Council of Trent. Explores contemporary interpretations of original sin and grace by Roman Catholic, Protestant, feminist and liberation theologians. Prerequisite: RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-315 Hebrew Bible/Old Testament

Explores the origin of the books of the Hebrew scriptures, also known as the Old Testament, in light of the history and culture of the people who produced them. Students will be able to identify major themes and characters and will become familiar with the relevant scholarly methodology. Prerequisites:

RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-317 New Testament

Examines the literature of the early Christian church with an emphasis on content and composition in light of the history and culture of the people who produced them. Students will be able to identify major themes and characters and will become familiar with relevant scholarly methodology. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-320 Caregiving at the End of Life Honors: Caregiving at the End of Life

Explores a variety of theories and methods for caregiving at the end of life, and is designed for both nursing and non-nursing students. The course will explore the medicalization of death, structural inequalities in access to medical care, palliative and hospice care for people facing terminal illness, and clinical dimensions of death and dying. Course will focus on contemplative practices that enable caregivers to care for themselves and provide effective support for patients and their loved ones. Course will introduce various religious and spiritual perspectives on dying, death, and the afterlife, and learn about rituals for grief and mourning. Fulfills general education requirement in 300-400 level RST. [3 credits]

RST-325 Jesus Christ

Studies the person and work of Jesus Christ from the viewpoint of contemporary scholarship. The course explores the life, death, and resurrection of Jesus and his central significance for Christian faith as found in the Christian scriptures, in the history of Christological doctrine, and in contemporary Christology. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-326 Beyond the Gospels: Rediscovering Jesus

Explores the multifaceted person of Jesus Christ by examining the rich tapestry of the early Christian gospel tradition through the fourth century AD. The person of Jesus Christ is foundational for Christian history and worship. This course unravels the layers surrounding Jesus by analyzing the canonical and non-canonical gospels beyond the familiar territories of Hellenistic Jewish influence, venturing into the realms of Greek and Roman environments that shaped the narrative(s). Prerequisite: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105). This course fulfills an upper-level elective requirement in Religious Studies. [3 credits]

RST-327 John's Gospel and Epistles

Studies the biblical literature traditionally attributed to the disciple John, and considers the continuing interpretive life of these texts both inside and outside the Christian tradition. Emphasis is on the historical developments of the ancient "community of the beloved disciple" and the historical roots of that community. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-331 Comparative Religious Ethics

A study of the ethics of major world religions such as Christianity, Judaism, Islam, Hinduism, and Buddhism. The possibility of a global ethics based on the world religions will also be explored. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills General Education Requirement Cross-Cultural Studies and Values, Intercultural
Knowledge and 300/400 level course. [3 credits]

RST-334 Introduction to Catholic Social Thought

Explores the tradition of Catholic social thought in its theoretical and lived forms. Examines the foundations and implications of Christian social responsibility through analysis of the official encyclicals and pastorals that comprise Catholic social teaching in conjunction with related moral analyses of domestic and international injustices. Students will apply the learned principles by engaging with current local social, ecological, and/or moral concerns. Prerequisite: RST- 105. This course fulfills the general education requirement in 300/400-level Religious Studies and in engaged citizenship. [3 credits]

RST-335 Global Christianity

Explores the history and global nature of Christianity. Students will examine the beliefs and practices within the Jesus Movement, follow the spread of Christianity through the Mediterranean and Europe, examine European missions, the development of Christian sects in the new world, and trace the Christian
developments in Asia and Africa. Prerequisite: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105). Meets the general education requirement for Intercultural Knowledge. [3 credits]

RST-338 Green Discipleship

Examines and analyzes current environmental problems in light of Christian social ethics and the Christian imperative to care for creation. Considers issues such as climate change, water, biodiversity, and non-human animals, among others, through the lenses of social justice, human dignity, and Christian moral theories surrounding environmental issues. Fulfills general education requirement for 300/400 level religious studies and Engaged Citizenship. Prerequisite: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105). [3 credits]

RST-340 Women in World Religions

Provides the opportunity for students to evaluate the impact of world religions upon women in Hinduism, Buddhism, Judaism, Christianity and Islam. Students will engage primary and secondary source material to better understand the historical and theological contexts within which the world religions view women. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements for 300/400-level religious studies and gender studies. [3 credits]

RST-345 Justice and Peace

Analyzes contemporary issues of justice and peace, including classism, racism, sexism and violence. Topics such as world hunger, terrorism and heterosexism will be considered from personal, communal and global perspectives within the context of theological and moral teachings of various religious traditions. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements for 300/400-level religious studies, values and cross-cultural studies. [3 credits]

RST-347 Introduction to Spirituality

Considers the question: Are all persons spiritual by nature? This course explores the meaning and practice of spirituality in contemporary society, considering various religious traditions as well as newly developing forms of spiritual practice. Topics include diverse meditation practices, gender-based spirituality and spirituality for the sake of justice. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-350 Liberation Theologies: Black, Latin And Feminist

Examines Christian doctrine through the lens of liberation in black, Latin and feminist contexts. Considers historical, socio-political and theological perspectives. Gives particular attention to the situation of women. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements for 300/400-level religious studies and cross-cultural studies. [3 credits]

RST-355 Women in the Present and in the Judeo-Christian Tradition

Probes the mythical, biblical, theological and ecclesial influences under which women have lived through the centuries, as well as the prospect of a transformed future based on contemporary movements in church and state. Service-learning course. Prerequisite: RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-360 Islam

Examines the foundation, beliefs and practices of this major religion. Issues include the place of women in Islam, the world-wide spread of Islam and the challenges of modernism. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies and cross-cultural studies. [3 credits]

RST-361 Black Church

Studies African-American Christianity in the United States, historically and experientially. The course explores African and slave roots, historical and political contexts, the centrality of Jesus and the Bible, and themes of liberation and protest. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements for 300/400-level religious studies and cross-cultural studies. [3 credits]

RST-377 Honors: Heritage: Civilization and the Jews

Examines the historical, religious and cultural development of the Jewish people from beginnings in the land of Israel, contacts with Christianity and Islam, flowering in Spain and expulsion from Spain to the arrival of Jews in the Americas, the Holocaust and the State of Israel. Prerequisites: Morrissy scholar or permission and RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/ 400 level religious studies. [3 credits]

RST-399 DA Religious Studies-Upper Le

Degree Audit

RST-401 Topics in Religion

Investigates one specific topic, significant movement or writer, providing an opportunity to consider a matter of interest in depth. May be taken more than once on different topics. Recent courses included: Jewish Thought and Culture, DaVinci Code: Fact or Fiction, and Life and Legacy of Pope John Paul II. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement in cross-cultural studies (depending on topic) and 300/400-level religious studies. [3 credits]

RST-403 Problems in Discrimination and Prejudice

Studies the nature of discrimination and prejudice with emphasis on their theological and moral implications for Christians today. Forms of discrimination such as those manifested in racism, sexism, anti-Semitism and ageism are treated. Service-learning course. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201

(https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400 level religious studies, gender studies, cross-cultural studies and values. [3 credits]

RST-405 Protestantism, Catholicism and Judaism in the United States

Investigates the origin and teachings of the main Protestant churches in the United States and their impact upon the development of American conscience and life. Discusses the effects of immigration, with particular emphasis on the arrival of Jews and Roman Catholics. Considers relationship of immigration, religion and politics, particularly since World War II. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400 level religious studies. [3 credits]

RST-406 Fundamentalism

Following a historical review of the Evangelical roots of American Protestant Fundamentalism, the student will examine some of the crucial stances of this interdenominational religious movement: its unqualified acceptance and obedience to the Bible; its inroads into the political arena; its focus on the apocalyptic end of the world and how Fundamentalists maintain their faith despite outside pressures

RST-409 Death and Dying

Examines the phenomena and meanings attending death. What do religion and science tell us about the process of death? What are the various historical and contemporary beliefs about afterlife? The course focuses on dying persons, survivors, health care professionals and providers of death-related services. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-411 Catholic Women Theologians

Examines the role of women in Christian traditions, recognizing that women have always been active (if not always welcome) participants in the development of Christian thought. The course traces the insights of 20th and 21st century Christian women theologians by paying close attention to the intersections of sexuality, gender, race, class, and ability. The course fulfills the general education requirement in 300/400-level Religious Studies and in Impact of Diversity. Prerequisite: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105). [3 credits]

RST-412 Women and the Bible

Analyzes the4 various ways women have been portrayed in the Bible and the scholarly responses to these interpretations. The course will examine how women biblical scholars and theologians from North American and European traditions, as well as those from the global south (Africa, Latin America, and

Asia), have interpreted images of the women in the Bible from the perspectives of historical-critical and literary-critical biblical scholarship, as well as systematic theology and Christian ethics. Prerequisite: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105). This course fulfills the general education requirement in Religious Studies and in Impact of Diversity. [3 credits]

RST-413 Women Mystics and Saints

Examines the linked phenomenon of mysticism and sanctity with a specific emphasis on female saints from within the Christian tradition. The study of saints provides a window into the vibrant spiritual lives of Catholics worldwide. Prerequisite: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105). [3 credits]

RST-415 Church and the Modern World

Presents an historical overview of the development of traditional Christian understandings of the nature and function of the church as presented by the New Testament, Augustine of Hippo, Martin Luther, the First Vatican Council, and the second Vatican Council. The course will explore contemporary interpretations of the church by Roman Catholic, Protestant, feminist, liberation, and non-Western theologians. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-421 Christian Worship

Provides opportunities for studying and experienc-ing the diversity within worship practices among Christians. The course examines the history of worship from pre-Christian times to the present with an emphasis on communal rituals such as baptism and communion. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-425 God and Human Life

Explores the mystery of the human person in light of the divine self-communication through Christ and the Spirit. Students will focus on current questions about disability, gender, sexuality, race, culture, and/or humanity's relationship to the natural world from a Christian perspective. Prerequisite: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105). [3 credits]

RST-427 Study Tour

Provides opportunities to visit and study regions of importance for religious studies. Tours are organized and directed by members of the department and offered periodically in summer and winter. Fulfills general education requirements for 300/400-level religious studies and cross-cultural studies. [3 credits]



RST-430 Topics in Pauline Theology

Explores the apostle Paul's life, mission, and letters, as well as his historical and social context. Examines the development of his theology on such topics as faith, law, salvation, spirituality, and life in community. Considers the diversity of the early Christian Church and how others eceived and interpreted Paul's message. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-442 Ecumenical Spirit

The course examines developments in the fractured faith community from tentative beginnings to the present with its hopes and challenges. In recent times, new movements in the Protestant, Orthodox and Roman Catholic communities have altered the climate of contemporary Christianity and paved the way for facing future challenges.

RST-445 Islamic Perspectives on Peace And Conflict

Focuses on the teachings of Islam on peace from the Qur'an and the Sunnah (words and deeds of Muhammad). Considers also the contradictory passages in the Qur'an and Sunnah about peace and conflict, the interpretation of Islam in various parts of the world today, and the practice of Islam by extremists and fundamentalists. Examines in depth the meaning of "jihad," often misinterpreted as "holy war." This course will explore some tenets of Islamic religion and thought in the context of Islamic history and Middle Eastern Culture. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements for 300/400-level religious studies and cross-cultural studies. [3 credits]

RST-457 Radical Christianity

Explores radical Christian thought and actions in the United States since the twentieth century. It grants special attention to recurrent issues in Christian social thought and activism, such as poverty, labor inequalities, politics, sexuality, war and peace, and/or race. Prerequisite: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105). [3 credits]

RST-460 Capstone Experience

Provides students with the opportunity to reflect on their religious studies program and synthesize what they have learned. The capstone experience has three related components: a portfolio preparation workshop and compilation of a portfolio, an interview with department faculty, and a presentation to department faculty, current religious studies students and alumnae. Required of all religious studies majors and liberal arts majors with a primary track in religious studies, and typically completed during the student's final semester. [1 credit]



RST-463 Independent Study

Provides an opportunity for individual study of an area or topic of special interest in religious studies. Usually involves research under the guidance of a faculty member of the department. Prerequisites: RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) or RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

RST-465 Directed Readings: Selected Topics in Religion

Provides an opportunity for individual study of an area or topic of special interest in religious studies. Usually involves regular discussions of written works with a faculty member of the department. Prerequisite: RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirement for 300/400-level religious studies. [3 credits]

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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

Sociology (Minor)

Criminology Department

Pamela O'Brien, *Dean, School of Arts, Sciences and Business*

Alyssa Brumis, Ph.D., *Interim Chair*

Degrees offered

Minor

Campuses

Main Campus

The Criminology Department of Study in the School of Arts, Sciences, and Business, offers a Minor in Sociology to traditional undergraduate students. The scientific study of society, sociology examines the inner workings of different social institutions, the order of social interaction in groups, and the politics of social reality. Many sociologists address social problems such as crime, education, poverty, immigration, institutional discrimination and prejudice. The Sociology Minor provides students with a perspective on the world described as the sociological imagination or, put simply, a way to see things socially resulting

in awareness of the interconnections between and influences on each other. It gives students the opportunity to investigate society and better understand their respective roles in it.

Traditional Undergradutae

Offered as a Minor and as a foundation for the Criminology Major, the Sociology curriculum provides both a micro- and macro- perspective on society. Its courses expose students to peer-reviewed research based on surveys, field work, comparative/historical reviews and experimentation.

A Sociology Minor is an excellent way to round out the student's experience at Notre Dame. Sociology courses that satisfy the General Education Requirement in social science: SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101). Sociology courses that fulfill the requirement for cross-cultural and gender studies: SOC-209 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-209). Sociology courses that fulfill the requirement for gender: SOC-215 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-215).

All courses credited toward the Minor must be completed with a C grade or higher.

Program of Study

The Minor in Sociology consists of seven courses as indicated below.

Minor in Sociology

Required courses:

SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101) Introduction to Sociology (3)
SOC-209 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-209) Race, Class and Gender (3)
PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210) Research Methods I (4)
SOC-350 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-350) Social Theory (3)

Two electives chosen from:

CRM-101 (https://catalog.ndm.edu/courses/list/index.php?dept=CRM#CRM-101) Introduction to Criminology (3)
SOC-202 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-202) Sociology of the Family (3)

SOC-215 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-215) Gender Roles or SOC-271 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-271) Honors: Sociology of Gender Roles (3)

SOC-220 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-220) Self and Society (3)

SOC-222 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-222) Social Problems or SOC-371 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-371) Honors: Social Problems (3)

SOC-231 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-231) Medicine and Society (3)

SOC-315 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-315) Sociology of Law (3)

SOC-340 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-340) Sociology of Deviance (3)

PSY-340 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-340) Quantitative Methods (4)

Note: Those who wish to Major in Criminology and Minor in Sociology must take three elective Sociology courses instead of two due to the overlapping requirements of SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101), SOC-209 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-209), and PSY-210 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-210). The electives cannot have a dual purpose of also fulfilling the electives used for the Criminology Major. A separate Senior Experience course also should be chosen to fulfill the requirement for a Minor in Sociology. For example, if SOC-411 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-411) serves to fulfill the senior elective for the Criminology Major, it cannot also be used to fulfill the elective for the Sociology Minor. Please contact the faculty advisor to tailor an appropriate course schedule.

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(http://www.ndm.edu/)
4701 North Charles Street
Baltimore, Maryland 21210

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Spanish (Major, Minor)

Department of Classical and Modern Foreign Languages Department

Pamela O'Brien, Ph.D., *Dean, School of Arts, Sciences and Business*
Rachel L. Burk, Ph.D., *Chair*
Marcela Valencia, Ph.D.

Degrees offered

Major
Minor

Campuses

Main Campus
Anne Arundel Community College
College of Southern Maryland (CSM)
Southern Maryland Higher Education Center (SMHEC)
University Center Northeastern Maryland (formerly the HEAT Center)

¡Bienvenidos al programa de español! Learn to speak the third most popular language in the world through individualized attention, integrated technology, and communication-focused coursework. Our students take Spanish from the

classroom into the NDMU community and the larger world via study abroad, service learning, language-exchange partners, the Hispanic Culture Club, and internships. *¡Qué aproveche!*

Summary

Spanish courses cover essential language structures, practical communication, and cultural learning. Small classes, close relationships with professors, multimedia technology, and interactions with native speakers encourage general education students to speak, write, listen, and read in Spanish while gaining perspectives on the Hispanic world. Majors and minors in Spanish refine their language skills and at the same time immerse themselves in Hispanic literature, history, film, art, and culture, locally and internationally.

The Spanish Major

The Spanish Major requires 33 credit hours (11 courses) beginning at the 200-level. Students who place out of LSP-233 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) and LSP-234 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-234) will take 27 credits (nine courses). All Majors, including native and heritage speakers, must take LSP-301 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-301) and LSP-302 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-302).

Required Courses for The Spanish Major

Language Skills:

LSP-233 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) Spanish for Oral Proficiency (3)

LSP-234 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-234) Spanish for Written Proficiency (3)

LSP-301 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-301) Advanced Spanish Conversation and Composition I (3)

LSP-302 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-302) Advanced Spanish Conversation and Composition II (3)

Introduction to the Discipline:

LFN-201 (http://catalog.ndm.edu/courses/list/index.php?dept=LFN#LFN-201) The World of Language (taught in English) (3)

LSP-258 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-258)* Readings in Hispanic Literature (taught in Spanish) (3)

**For native speakers who have successfully completed a literature course in English, (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-258)LSP-258 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-258) should be replaced by one 300-level literature course in Spanish.*

Literature:

One literature course in Spanish at the 300- or 400- level (3)

Culture and Civilization:

LSP-358 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-358) Spanish Culture & Civilization or LSP-359 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-359) Latin American Culture & Civilization (3)

LFN-450 (http://catalog.ndm.edu/courses/list/index.php?dept=LFN#LFN-450) Research Seminar (3)

Elective Courses:

One course at the 200-, 300- or 400- level (3)
One 400-level course in linguistics, literature or culture in Spanish (3)

The Spanish Minor

The Spanish Minor requires 21 credit hours (7 courses) beginning at the 200-level. Students who place out of LSP-233 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) and 234 will take 27 credits (six courses). All Minors, including native and heritage speakers, must take LSP-301 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-301) and LSP-302 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-302).

Required Courses for The Spanish Minor

Language Skills:

LSP-233 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) Spanish for Oral Proficiency (3)

LSP-234 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-234) Spanish for Written Proficiency (3)

LSP-301 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-301) Advanced Spanish Conversation and Composition I (3)

LSP-302 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-302) Advanced Spanish Conversation and Composition II (3)

Introduction to the Discipline:

LFN-201 (http://catalog.ndm.edu/courses/list/index.php?dept=LFN#LFN-201) The World of Language (taught in English) (3)

LSP-258 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-258)* Readings in Hispanic Literature (taught in Spanish) (3)

**For native speakers who have successfully completed a literature course in English, (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-258)LSP-258 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-258) should be replaced by one 300-level literature course in Spanish.*

Culture and Civilization:

LSP-358 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-358) Spanish Culture & Civilization or LSP-359 (http://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-359) Latin American Culture & Civilization (3)

Courses

LSP-101 Beginning Spanish I

Develops the ability to understand, speak, read and write in Spanish. Enhances awareness and understanding of the Spanish-speaking world through presentation of authentic material. LSP-101 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-101) is for students with no prior experience in Spanish. Laboratory required. [3 credits]

LSP-102 Beginning Spanish II

Develops the ability to understand, speak, read and write in Spanish. Enhances awareness and understanding of the Spanish-speaking world through presentation of authentic material. Laboratory required. [3 credits]

LSP-103 Intermediate Spanish

Develops the four language skills through a review of grammar and readings based on cultural material. Laboratory required. Fulfills the general education language requirement. Prerequisite: LSP-102 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-102) or placement. [3 credits]

LSP-105 Spanish Language and Culture for Professionals

This course does not fulfill the general education requirement. [1 credit]

LSP-106 Spanish Language and Culture: Part 2

This course does not fulfill the general education requirement. Prerequisite: LSP-105 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-105) or placement [1 credit]

LSP-107 Spanish Language and Culture III

Spanish Language and Culture for Professional Settings (Part 3) is a follow-up course to Parts 1 and 2. In this course, the emphasis is heavily on listening and speaking skills. It stresses using the language in practical, conversational situations, drawing on the needs and experiences of the participants. There is a continued use of grammar, especially the use of the subjunctive, in order to increase conversational skills. There will be a continued cultural component that is woven into every class. In addition, there will be a one-time volunteer cultural experience in the Latino community. [3 credits]

LSP-108 Spanish Language and Culture for Health Settings

This course fulfills the Spanish requirement for Nursing Majors class of 2022 and before. This course does not fulfill the General Education foreign language requirement for non-nursing students, may also be taken as an elective. Prerequisite: LSP-106 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-106) or placement [1 credit]

LSP-150 Beginning Spanish for Heath Professionals

Practice conversational Spanish in health care settings. Apply simple vocabulary and grammatical structures to ask questions, gather relevant information, be courteous, express emotions, and give recommendations. In addition to giving a grounding in medical vocabulary, this course explores cultural issues related to caring for Latinx patients. Designed for nursing majors who have a one-class Spanish requirement. LSP-150 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-150) cannot be used in place of LSP-101 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-101) as a pre-requisite for LSP-102 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-102). [3 credits]

LSP-233 Spanish for Oral Proficiency

Offers intensive oral-aural practice, with emphasis on the language used in daily life. Serves those who wish to perfect pronunciation and increase fluency in Spanish through extensive use of multimedia materials and interaction with native speakers. Independent lab work required. Fulfills the general education language requirement. Prerequisite: LSP-103 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-103) or placement. [3 credits]

LSP-234 Spanish for Written Proficiency

Aims to increase proficiency in the written use of the language. Provides a review of grammar and extensive practice based on cultural themes of the Hispanic world. Uses multimedia materials and reading selections from contemporary Latin American authors and publications. Focuses on various issues such as women's roles and human rights. Fulfills the general education language requirement. Prerequisite: LSP-103 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-103) or placement. [3 credits]

LSP-258 Readings in Hispanic Literature

Introduces students to literary analysis by the reading of selected short works by Hispanic authors. Discussion and writing of short essays in Spanish with emphasis on understanding and appreciating Hispanic literature in its cultural context. Fulfills the general education literature and cross-cultural studies requirements. Prerequisite: LSP-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) or 234 or permission. [3 credits]

LSP-301 Advanced Spanish Conversation and Composition I

Gives special attention to the idiomatic use of language and to the finer points of Spanish grammar. Based on writings and media sources dealing with present-day events and cultural issues. Analysis of structure and style. Fulfills the general education language requirement. Required of all majors and minors. Prerequisite: LSP-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) and 234 or equivalent. [3 credits]

LSP-302 Advanced Spanish Conversation and Composition II

Gives special attention to the idiomatic use of language and to the finer points of Spanish grammar. Based on writings and media sources dealing with present-day events and cultural issues. Analysis of structure and style. Fulfills the general education language requirement. Prerequisite: LSP-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233) and 234 or equivalent. Required of all majors and minors. [3 credits]

LSP-305 Spanish for Business

Introduction to the terminology and correspondence techniques of the Spanish-speaking business world. Wide variety of oral and written exercises develop the specialized vocabulary and skills needed for most commercial situations. Especially recommended for international studies majors pursuing business track.

LSP-310 Survey of Masterpieces in Latin American Literature I

Introduces students to Latin American literature and thought in their historical and social dimensions through a close study of selected masterpieces from the 1800s to the present. Prerequisite: LSP-258 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-258) or permission. Fulfills the General Education literature and cross-cultural studies requirements. [3 credits]

LSP-311 Survey of Masterpieces in Latin American Literature II

Introduces students to Latin American literature and thought in their historical and social dimensions through a close study of selected masterpieces from the 1800s to the present. Prerequisite: LSP-258 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-258) or permission. Fulfills the general education literature and cross-cultural studies requirements. [3 credits]

LSP-322 Survey of Masterpieces in Peninsular Literature

Introduces students to the major periods of Spanish literature and thought in their historical and social dimensions through a close study of selected masterpieces from their origins to the present time. Prerequisite: LSP-258 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-258) or permission. Fulfills the general education literature and crosscultural studies requirements. [3 credits]

LSP-323 Survey of Peninsular Theatre

Survey of Spanish theater from its origins in the Middle Ages up to the most recent dramatic works. Historical and social background. Readings from each major literary period.

LSP-324 Survey of the Spanish Novel

Survey of the major genres from the Picaresque to the Post Civil War period. Selected readings from each major literary period.

LSP-352 Siglo De Oro

LSP-358 Spanish Culture & Civilization

Surveys the cultural history of Spain through an examination of its most significant physical, intellectual, artistic and sociopolitical aspects. Special emphasis will be given to the development of Spanish art, literature and philosophical thought. Fulfills the General Education cross-cultural studies requirement. [3 credits]

LSP-359 Latin American Culture and Civilization

Provides an introductory study of the main features of Latin American political and cultural history. Includes artistic and literary movements. This course is given in Spanish and is designed for students who have advanced knowledge of the language. Fulfills the General Education cross-cultural studies requirement. Prerequisite: LSP-233 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-233)/234 required, LSP-301 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-301) recommended. [3 credits]

LSP-401 Topics in Spanish

Studies a central topic in linguistics, culture or literature. Course may be repeated for credit as topics change. Prerequisite: LSP-302 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-302) or permission of instructor. [3 credits]

LSP-411 Topics: Interm Spanish II

LSP-427 Short Term Academic Experience in a Spanish-Speaking Country

Visits cities and sites of historical and cultural importance in one Spanish-speaking country. Prior to the tour, students will attend preparatory lectures and complete preliminary readings. Research related to the tour usually will be completed within a month after return. Fulfills the culture and civilization requirement for the Spanish major and minor. [3 credits]

LSP-458 Capstone Experience in Spanish

Provides a culminating activity based on the particular interests of the student and is individually designed to demonstrate linguistic, cultural and cross-cultural learning within a global context at home and abroad. A research paper and formal oral presentation are required. Open to majors, minors and native speakers. Prerequisite: LSP-358 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-358) or LSP-359 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-359). Fulfills the general education cross-cultural studies requirement. [3 credits] Students may choose from the following: 149 LSP-463 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-463) Independent Study 149 Independent project under the direction of a faculty member 149 Research project based on study abroad experience 149 Service-learning project with research component 149 IDS-461 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-461) Professional Internship with research component 149 IDS-496 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-496) Teaching Apprentice (at College of Notre Dame or abroad)

LSP-463 Independent Study

Allows the student to undertake an individual program of study in language, linguistics, literature or civilization under the guidance of a member of the department. [3 credits]

LSP-501 Topics in Spanish

Studies a central topic in linguistics, culture or literature. Course may be repeated for credit as topics change. Recent topics have included Hispanic Women's Voices in Film, Sociolinguistics, Spanish dialects and magical Realism in Literature and Film. [3 credits]

LSP-502 Spanish for Teachers of Other Languages

This upper-level course, taught entirely in Spanish, is designed to survey the components of oral language. We will discuss the social, phonological, morphological, syntactic, semantic, and pragmatic aspects of Spanish as a language system. Students will be introduced to language variation, phonetic transcription, phonemes, morphemes, syntactic order, linguistic change, dialects of Spanish, and Spanish as a phenomenon in the United States. This course, designed specifically for teachers of other languages, prepares students to take the Praxis exam for certification in Spanish. [3 credits]

LSP-503 Spanish and Technology

A study of the expanding types of technological literacies required for teaching and learning, with a concentration on digital information and media literacies as they relate to Spanish education. Core information skills underscore emerging technologies as they relate to teaching Spanish. Special attention is given to connecting learners to networks of learners and integration of technology into the Spanish language classroom. Problem-based learning and the 21st Century Skills Map serve as models to connect language to technology. Good working knowledge of Spanish required. [3 credits]

LSP-510 Survey of Masterpieces of Latin American Literature I

Highlights literary movements from its inception to 1800. Focuses on developing students knowledge of literary forms and movements from the first indigenous works on record to the appearance of Western hemisphere literature in Spanish. Students will develop the technical vocabulary needed to describe and debate literary issues. Four basic literary genres remain the center of discussion: narrativa, poes?a, drama y ensayo. [3 credits]

LSP-511 Survey of Masterpieces of Latin American Literature II

Highlights Latin American literature since 1800. Discusses poetry, essays, short stories, novels and plays. Begins with Romanticism, follows Modernism and Post-modernism and finishes with

the literary boom in the Western hemisphere. [3 credits]

LSP-522 Survey of Masterpieces in Peninsular Literature

Provides a survey of Spanish literature from the first vestiges in the vernacular to the modern novel. Genres include theater, poetry, drama, essay, short story and the novel. [3 credits]

LSP-524 Survey of the Spanish Novel

Surveys the development of the Spanish novel from the Quijote to modern novelists. Examines most literary movements and styles. [3 credits]

LSP-526 Hispanic Women Writers

Focuses on major female Spanish-language authors throughout history. Incorporates scholarship by and about women. Explores women writers from both Spain and Latin America and their place in the literary canon. Studies a variety of literary genres and styles. [3 credits]

LSP-527 Exploring Cuban Society

LSP-528 Hispanic Linguistics

Surveys language and studies how language works. Discusses the social, phonological, morphological, syntactic, semantic and pragmatic aspects of Spanish as a language system. Introduces students to language variation, phonetic transcription, phonemes, morphemes, syntactic order, linguistic change, dialects of Spanish and Spanish as a phenomenon in the United States. [3 credits]

LSP-530 Perspectives on Spanish As a World Language

Looks at Spanish as a world language that permits variation among its various dialects. Emphasizes linguistic and sociolinguistic phenomena throughout the history of Spanish that continue to be present. Students will gain an understanding of what underlies the difference among dialects of Spanish in today's world. [3 credits]

LSP-532 Contemporary Spain: Literature and the Arts

Explores literature, art, film, music and sculpture as a means of gaining an understanding of Spain today. Journeys through the past to discern the various cultural, religious and academic movements that have helped shape today's Spain. [3 credits]



LSP-542 Mexico, Central America and the Caribbean: Literature and the Arts

Explores literature, art, film, music and sculpture as a means of gaining an understanding of Central America and the Caribbean. Journeys through the past to discern the various cultural, religious and academic movements that have helped shape the various countries in this region. [3 credits]

LSP-543 Hispanic Women's Voices in Film and Literature

This course is designed to survey films from Latin America and Spain that provide dimensions of women's voices. Six major films derived from literary works will be studied and analyzed. Background research by students is fundamental to critical viewing of the material. Good working knowledge of Spanish required. [3 credits]

LSP-558 Span Thought and Cultur

LSP-559 Contemporary Hispanic World

Focuses on global issues and concerns from the perspectives of various Spanish-speaking populations in the world today. Through guided research and the use of authentic print and multimedia materials, students will explore notions of "Hispanic" culture and worldviews, as they analyze issues of global importance from multiple cultural perspectives. [3 credits]

LSP-560 Advanced Oral Communication in Spanish (Praxis Prep)

Focuses on oral and written language production, including a study of phonetics as a means of understanding non-native utterances. Students can expect to increase their technical vocabulary in Spanish, to understand the system of Spanish as a whole and to review advanced grammatical forms. Prepares students to take the Praxis exam for certification in Spanish. [3 credits]

LSP-601 Top/Sp: Magical Realism

Women's Studies (Minor)

History and Political Science Department

Anne Henderson, Ph.D., *Coordinator*
Jen Erdman, Ph.D.

Degrees offered

Minor

Campuses

Main Campus

The Women's Studies Minor is offered to traditional undergraduate students. It is an interdisciplinary program that examines women's lives, perspectives and experiences. Through scholarship by and/or about women and the study of feminist theories and research methodologies, the student develops an intellectual framework through which to examine gender as a social, cultural and historical construct.

Summary

Students will explore the way gender interacts with other socially constructed categories such as race, class, nationality, sexual orientation as well as with other dimensions of identity (including religion, ethnicity, and age) that have often been used as the basis for discrimination. Students also will be encouraged to examine and understand the impact of these categories on their own experiences, and will be prepared to participate in the processes of social change that would promote the full development of all women and men.

A Minor in women's studies can benefit students in a variety of careers including art, business, communication, counseling, education, health, journalism, law, music, politics, psychology, public policy, religion, social services and sports.

Requirements

The Minor in Women's Studies consists of seven courses and 21 credits, including IDS-150 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-150) Introduction to Women's Studies and IDS-440 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-440) Seminar in Women's Studies. Of the five remaining courses, all must be at the 200-level or above, and three of the five must be at the 300/400 level. (See program of study, following.)

Courses taken to fulfill General Education Requirements, and two courses from the student's Major, may be counted toward the Women's Studies Minor.

A student wishing to Minor in Women's Studies is encouraged to meet with the Program Coordinator to design an appropriate Program of Study to complement her Major and to receive information about course cycling.

Program of Study

Required Courses:

IDS-150 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-150) Introduction to Women's Studies
IDS-440 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-440) Seminar in Women's Studies

Five of the following courses, at least three at the 300/400 level:

ART-315 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-315) Explorations of Women in Art
BUS-451 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-451) Women in Leadership
COM-330 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-330) Women in

Film

COM-382 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-382) Gender and Communication

ENG-243 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-243) Literature by Women

ENG-275 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-275) American Women Writers

HIS-261 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-261) Winning the Vote: The History of Women's Suffrage in America

HIS-290 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-290)/POL-290 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-290) Women in Islamic Societies

HIS-309 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-309) Women in American History

HIS-323 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-323) Black Women in American History

HIS-352 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-352) Honors: Educating Women in the U.S.

HIS-355 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-355) Women and Work: The American Experience

HIS-402 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-402) Honors: Women, War and Peace

HIS-303 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-303)/LCL-303 (https://catalog.ndm.edu/courses/list/index.php?dept=LCL#LCL-303) Women in the Ancient World

MUS-320 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-320) Women in Music

PED-301 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-301) American Women in Sports History

PHL-323 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-323) Feminist Philosophy

POL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-324) Women, Politics and the Law

PSY-209 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-209) Social Psychology

PSY-375 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-375) Sex and Gender

RST-305 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-305) Marriage and the Family

RST-355 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-355) Women in the Present and in the Judeo-Christian Tradition

SOC-202 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-202) Sociology of



the Family

SOC-271 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-271) Honors: Sociology of Gender Roles

See course descriptions in Departmental Listings.

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Site made manifest with Manifesto (https://www.manifestocms.com/) Course Catalog software (https://www.manifestocms.com/audiences/course-catalog).

School of Education

Gary Thrift, Ed.D, *Dean, School of Education*
Madelyn Ball, M.Ed.
Katherine Beauchat, Ed.D.
Kelly Byrne Bull, Ph.D.
Molly Dunn, Ph.D.
Juliann Dupuis, Ph.D
Christa de Kleine, Ph.D.
Patricia Dwyer, Ph.D.
Melissa Falen, M.A.
Mark Fenster, Ph.D.
Mary Fitzgerald, SSND, Ph.D.
Angelo Letizia, Ph.D.
Andrew Moore, Ph.D.
David Morrocco, Ed.D.
Rosemary Poling, M.Ed.
Lisa Pallet, Ph.D.
Carol Rabin, M.Ed.
Joan Sattler, Ed.D.
Stephanie Savick, Ph.D.
Ryan Schaaf, M.S.
Patty Silver, M.Ed.
Angela Snyder, Ph.D.
Evelyn Spratt, Ph.D.

- School of Education
  - College of Adult Undergraduate Studies (CAUS)
    - Early Childhood Education

    - Liberal Studies/ESOL
    - Special Education (Dual Certification)
- Women's College
    - BA/MA
    - BA/MAT
    - EArly Childhood Education
    - Elementary Education
    - Liberal Studies/ESOL
    - Secondary Education
    - Special Education (Dual Certification)

Summary

The School of Education offers full-time and part-time, four-year and five-year Programs of Study that integrate academic and professional studies and lead to Certification in Secondary Education, Certification in Secondary and Special Education, Certification in Elementary Education, Certification in Elementary and Special Education, or Certification in Elementary and Early Childhood Education. Each Program of Study requires the creation of an electronic portfolio throughout the course of study; it is to be completed with each course of study. An ePortfolio license fee is required.

All Programs of Study leading to a Bachelor of Arts in Education are designed to provide a balance among liberal arts courses in a variety of academic fields, a planned sequence of professional courses, and practical field experiences which may begin in the first year of college and culminate in an extended internship experience in the student's senior year. The School of Education may require a student to complete specific courses in addition to those listed as requirements. Each Program of Study aims to build competence through appropriate academic and professional course work, and to involve the student in practical classroom internship activities of steadily increasing responsibility. Internship placements are in professional development school environments through collaborative arrangements between Notre Dame and area school systems.

Graduates of the School of Education are educators in virtually every public school district throughout the State of Maryland, as well as in many private, independent and parochial schools. Not only do they ably serve Maryland's students, they are recognized as outstanding leaders. Many have been honored as "Teacher of the Year" in their respective districts; e.g, Anne Arundel County, Baltimore City, Baltimore County, Caroline County, Carroll County, Harford County, St. Mary's County.

To schedule course work effectively, each student is expected to meet regularly each semester with her advisor.

To be eligible for the extended teaching internship in a professional development school, a student must attain a 3.2 cumulative grade point average, a 3.0 or higher in methods courses, and a grade of C or higher in each of her professional courses. Students must pass PRAXIS Core* prior to enrolling in internship. Students in Secondary Education, Art and Music Education also must have the recommendation of their academic departments. To be eligible for Maryland State Certification through one of the approved programs at the University, the student must attain a 3.0 cumulative grade point average, must earn a

grade of B or higher during the internship and pass PRAXIS Core Academic Skills* and PRAXIS II examinations. PRAXIS II must be taken during the internship semester and passed before approval for certification.

Note: Taking and passing PRAXIS Core: Any student who is actively considering making application to the School of Education to pursue a career in teaching is required to pass the PRAXIS Core exam as a condition of admission to the School of Education. Students should take the PRAXIS Core as early as possible during their college experience so that they have time to assess and (if need be) remediate any area of concern (reading, writing or mathematics). Participation in the student internship will not be permitted until the PRAXIS Core has been passed. There are a variety of resources available for students who perceive the need for additional support: e.g, texts in the Education Lab, on-line tutorials, PRAXIS prep seminars, etc. For more information regarding testing opportunities and preparation, consult www.ETS.org (http://www.ETS.org).

The Maryland State Department of Education will allow candidates to waive Praxis Core if they present one of the following test scores. These MSDE-acceptable test scores will also be accepted by NDMU

- Praxis I with a composite score of 527
- ACT with a composite score of 24
- SAT -- taken before 1995 with a composite score (math + verbal) of 1000
- SAT -- taken between April 1995 and December 2018 with a composite score (math + verbal) of 1100
- SAT -- taken January 2019 and later with a composite score (math + verbal) of 1180
- GRE -- taken before September 2011 -- composite score (math + verbal) of 1000; taken since September 2011 composite score (math + verbal) of 297

Certification candidates in all Programs of Study complete a professional electronic portfolio using guidelines developed by the education department in accordance with Interstate New Teacher Assessment and Support Consortium (InTASC) Core Standards. Approved Program graduates benefit from interstate reciprocity agreements in all states.

Teacher Education Programs are offered in Elementary Education, Elementary and Special Education, Elementary and Early Childhood Education, and Art N-12. Notre Dame also offers Secondary Education Programs in Art, Biology, Business, Chemistry, Computer Studies, English, ESOL, Mathematics, Modern Foreign Languages (French, Spanish)**, Physics and Social Studies.

** *Because NDMU's World Languages Program is nationally recognized by the American Council on the Teaching of Foreign Languages (ACTFL), teacher candidates who are seeking certification in Maryland for Spanish or French are required to achieve a passing score of "Advanced Low" or better on BOTH the Oral Proficiency Interview (OPI) and the Written Proficiency Test (WPT), both of which are administered by an interviewer/proctor who is certified by ACTFL. Note that some teacher candidates in lieu of the OPI may elect to take the OPI(c) which is a computer version of the OPI. Teacher candidates may take these two assessments at any time during their Program of Study but prior to their Methods course of study. Teacher candidates are encouraged to explore opportunities that will enable them to meet the "Advanced Low" standard/score, including participation in study abroad, volunteer and service learning opportunities,*

language clubs, and film festivals and by viewing films and television programs in the world language they will be studying. More information about these assessments can be found at www.languagetesting.com (http://www.languagetesting.com)

Students should confer with their School of Education advisor to confirm they have completed all the requirements for the MSDE approved program(s) as well as the Notre Dame's degree requirements.

Pathways to Dual, Triple or Four Certifications

The NDMU School of Education strives to prepare teacher candidates to respond to the supply and demand of the teacher education workforce and endeavors to prepare candidates who are highly skilled and equipped to teach children regardless of learning style, differentiated or special needs, and racial or socio-economic status. As such, candidates are encouraged to pursue certification in more than one content area or specialization; e.g, Certification in Biology and Special Education; or in English and TESOL; or in Elementary Education and Early Childhood Education. In some cases, candidates can even obtain three or four certifications (e.g, elementary, special education, early childhood education and/or TESOL).

Having more than one certification yields several benefits: 1) Most important of all, candidates are exposed to specific content and instructional strategies that may be unique to targeted individuals or groups of students (e.g, second language generation students whose parents speak only in their native language). 2) Candidates acquire a deeper, richer background in the vast variety of instructional strategies that one might employ, irrespective of the student's classification (e.g, a student in a Gifted and Talented class might respond just as readily to a 'reward and praise' technique as would a student with special needs). 3) Candidates find that, when seeking employment, they are more marketable because principals are afforded greater flexibility in assigning them to teaching positions that fit the needs of their school and student population (e.g, if given two equally qualified candidates from which to select, a principal is more likely to hire a candidate who has more than one certification, thereby giving them more flexibility to assign highly qualified teachers to classrooms based on that certification).

In essence, the teacher candidates enter the education profession with a larger and more diverse skill set of instructional strategies and content knowledge to better meet the needs of the school system, where employed, and the children whom they are entrusted to teach.

Pathways to obtain dual, triple, or even four certifications are outlined in the following tables, based on professional courses needed, content areas, programs and degrees.

Course Matrix for Women's College Elementary Education BA Degrees

Required Professional Courses	Bachelor of Arts Degrees** - Elementary Education				
	Elem Education	Elem & Special Education	Elem & Early Childhood	Elem & TESOL	Elem, Special, and ECE

EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction and Management	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303) Elementary Reading Materials	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes & Acquisition of Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252) or 253 or SPE 373 Clinical Field Experience	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-491 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-491) Human Development and Learning	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307) Social Studies in the Elementary School	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-308 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-308) Issues in ESOL				(3 credit)	
EDU-309 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-309) Instruction in Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)



EDU-310 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-310) Mathematics in the Elementary School	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-312 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312) Science in the Elementary School	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-315 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-315) Curriculum Methods/Mat. for the Young Child			(3 credit)		(3 credit)
EDU-346 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-346) Methods and Materials ESOL				(3 credit)	
EDU-347 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-347) Assessing Second Language				(3 credit)	
EDU-360 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-360) Techniques of Teaching Reading & Writing to Students with Limited English Proficiency				(3 credit)	
EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-409 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-409) Internship: Teaching ESOL K-12				(6 credit)	

EDU-410 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-410) Internship: Teaching in Early Childhood Educ.			(6 credit)		
EDU-411 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-411) Internship: Teaching in the Elementary School	(16 credit)*	(10 credit)	(10 credit)	(10 credit)	(10 credit)
EDU-440 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-440) English Grammar for ESOL Teachers				(3 credit)	
EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) Assessment of Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
PSY-203 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-203) Child and Adolescent Development	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337) Communication Skills for the Special Educator		(3 credit)			(3 credit)
SPE-321 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-321) Methods of Teaching Students with Special Needs		(3 credit)			(3 credit)

SPE-344 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-344) Assessment in Special Education		(3 credit)			(3 credit)
SPE-421 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-421) Elementary Curriculum Design and Adaptation		(3 credit)			(3 credit)
SPE-475 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-475) Student Teaching in Special Education		(6 credit)			(6 credit)
EDU-XXX English Language Learners for the Classroom	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
TOTAL	48 credit	70 credit	61 credit	70 credit	73 credit

*16 credits for Women's College, 12 credits for CAUS

** Some programs may require coursework during the summer and/or winterim.

Course Matrix for Women's College Secondary Education BA Degrees

Required Professional Courses	**Bachelor of Arts Degrees* - Secondary Education**				
	Secondary Education	Secondary & Special Education	Secondary & TESOL		
EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction and Management	(3 credit)	(3 credit)	(3 credit)		

EDU-253 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-253) Clinical Field Experience: ESOL			(3 credit)		
491 Human Development and Learning	(3 credit)	(3 credit)	(3 credit)		
EDU-308 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-308) Issues in ESOL			(3 credit)		
EDU-344 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-344) Teaching Reading & Writing in the Secondary Schools Content Areas I	(3 credit)	(3 credit)	(3 credit)		
EDU-346 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-346) Methods and Materials ESOL			(3 credit)		
EDU-347 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-347) Assessing Second Language			(3 credit)		
EDU-360 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-360) Techniques of Teaching Reading & Writing to Students with Limited English Proficiency			(3 credit)		
EDU-376 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-376) Clinical Field Experience Secondary	(3 credit)	(3 credit)	(3 credit)		
EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective	(3 credit)	(3 credit)	(3 credit)		



EDU-409 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-409) Internship: Teaching ESOL K-12			(6 credit)		
EDU 430-439 Methods of Teaching in the content area	(3 credit)	(3 credit)	(3 credit)		
EDU-413 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-413) Student Teaching in Secondary School	(12 Credit)	(6 Credit)	(6 Credit)		
EDU-440 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-440) English Grammar for ESOL Teachers			(3 credit)		
EDU-451 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-451) Teaching Reading & Writing in the Secondary Schools Content Areas II	(3 credit)	(3 credit)	(3 credit)		
PSY-203 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-203) Child and Adolescent Development	(3 credit)	(3 credit)	(3 credit)		
SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher	(3 credit)	(3 credit)	(3 credit)		
SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337) Communication Skills for the Special Educator		(3 credit)			

SPE-321 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-321) Methods of Teaching Students with Special Needs		(3 credit)			
SPE-344 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-344) Assessment in Special Education		(3 credit)			
SPE-373 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-373) Field Experience in Special Education		(3 credit)			
SPE-475 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-475) Student Teaching in Special Education		(6 credit)			
EDU-XXX English Language Learners for the Classroom	(3 credit)	(3 credit)	(3 credit)		
TOTAL	45 credit	54 credit	60 credit		

* Some Programs may require coursework during the summer and/or winterim.

Course Matrix for Women's College Elementary Education BA/MAT Degrees

Required Professional Courses	**Bachelor of Arts Degrees - Elementary Education**					
***Notes -** Some 100, 200, 300, and 400 level classes may be taken as an undergraduate student	Elem. Educ.	Elem. & Special Educ.	Elem. & ECE	Elem. & TESOL	Elem, ECE, & Special	Elem, ECE, Special, & TESOL
EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) or 556 Technology for Instruction and Management	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)

EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303) or 510 Elementary Reading Materials	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) or 509 Processes & Acquisition of Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-491 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-491) Human Development and Learning AND PSY 203 Child and Adolescent Development (for 6 credits) OR EDU-519 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-519) Human Development and Learning	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307) Social Studies in Elementary School AND 312 Science in Elementary School (for 6 credits) OR 513 Science and Social Studies in Elementary School	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-308 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-308) or 508 Issues in ESOL				(3 credit)		(3 credit)
EDU-309 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-309) or 542 Instruction in Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)

EDU-310 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-310) or 592 Mathematics in the Elementary School	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-312 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312) Science in the Elementary School	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-315 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-315) Curriculum Methods/Mat. for the Young Child			(3 credit)			
EDU-346 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-346) or 546 Methods and Materials ESOL				(3 credit)		(3 credit)
EDU-347 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-347) or 547 Assessing Second Language				(3 credit)		(3 credit)
EDU-360 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-360) or 586 Techniques of Teaching Reading & Writing to Students with Limited English Proficiency				(3 credit)		(3 credit)
EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-440 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-440) or 596 English Grammar for ESOL Teachers				(3 credit)		(3 credit)

EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) or 511 Assessment of Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU 602 Internship in the Elementary School	(6 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-603 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-603) Internship in Early Childhood Education			(3 credit)			
EDU 604 Analytic/Reflection/Research Seminar	(3 credit)	(3 credit)	(3 credit)		(3 credit)	(3 credit)
EDU-611 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-611) Internship in TESOL Education				(3 credit)		(3 credit)
PSY-203 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-203) Child and Adolescent Development	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) or 526 Special Education for the Classroom Teacher	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337) or 576 Communication Skills for the Special Educator		(3 credit)			(3 credit)	(3 credit)

SPE-321 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-321) or 546 Methods of Teaching Students with Special Needs		(3 credit)			(3 credit)	(3 credit)
SPE-344 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-344) or 544 Assessment in Special Education		(3 credit)			(3 credit)	(3 credit)
SPE-421 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-421) or 570 Elementary Curriculum Design and Adaptation		(3 credit)			(3 credit)	(3 credit)
SPE-475 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-475) or 601 Internship in Special Education		(3 credit)			(3 credit)	(3 credit)
EDU-XXX English Language Learners for the Classroom	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
TOTAL	48 credit	60 credit	51 credit	60 credit	60 credit	78 credit

ECE = Early Childhood Education TESOL = Teachers of English for Speakers of Other Languages

Some Programs of Study may require coursework during the summer and/or winterim. These six certification pathways do not cover the full range of possibilities.

Women's College or College of Adult Undergraduate Studies?

Although many Programs of Study are offered through both the Women's College and the College of Adult Undergraduate Studies (CAUS), there are significant differences in their populations and scheduling. To determine whether the Women's College or CAUS is the most appropriate for you, see the college descriptions under Academic Information.

Option: B.A.

The School of Education offers the Bachelor of Arts in Elementary Education/Liberal Studies to students in the Women's College and College of Adult Undergraduate Studies. For students in the Women's College, the School of Education also offers a program of professional courses for Certification in Secondary Education. Additionally, the School offers a sequence of courses in special education and early childhood education that provides the opportunity for elementary education/liberal studies majors to meet certification requirements in special education, early childhood education or ESOL in addition to elementary education. The special education sequence also may be taken by students in a secondary education program. All programs are NCATE accredited and MSDE approved.

Elementary Education/Liberal Studies

The Elementary Education/Liberal Studies Major provides a balanced program of liberal arts courses in a variety of academic fields, a planned sequence of professional courses, and practical field experiences that culminate in an extended teaching internship experience. Completion of the program qualifies graduates for Maryland State Department Certification in Elementary Education. Each student works closely with an academic advisor to ensure that the student obtains all the credits needed for the degree, as well as the requirements of the State Department of Education for Certification in Elementary Education. All students must complete the Application for Teacher Education through the School of Education prior to methods courses. Women's College students interested in Elementary Education are encouraged to declare the Elementary Education/Liberal Studies Major in spring semester of the first year.

For students in CAUS, the practical field experiences, including the teaching internship, are the only parts of the Program of Study offered during the day. These must be taken during the academic year when elementary schools are in session. The teaching internship must be completed in the fall semester.

Secondary Education

(Women's College only)

A student seeking to be certified in Secondary Education (*e.g.*, Art, Biology, Chemistry, English, etc.) must Major in one of the academic departments offering a Maryland State Department of Education-approved program in secondary education and complete the sequence of professional courses listed in the education program listings. Students interested in Secondary Education declare the Minor after acceptance as Majors in their academic disciplines, preferably by the end of sophomore year.

Option: BA/MAT

(Women's College only)

This option enables a full-time student to complete the Bachelor of Arts and Master of Arts in Teaching degrees and to fulfill state certification requirements within four or five years. For the Elementary Education option, students complete the liberal arts Major for their baccalaureate degree and the Master of Arts in Teaching in Elementary Education in the final year. (See liberal arts program listings for a description of the liberal arts Major.)

For the secondary education option, students complete a Major in an academic discipline for their bachelor's degree and the Master of Arts in Teaching in the final year.

If a student wishes to pursue the four-year B.A./M.A.T. option, she must meet with the advisor of the School of Education at the time of entrance or before beginning the second semester of the first year to plan her program appropriately. In the five-year option, the student meets with the chair in the second semester of the sophomore year.

Programs of Study

Required Courses for a Major in Elementary Education/Liberal Studies

Liberal Arts courses in the Major are exclusive of those required for General Education.

Literature (6)
American literature and
World literature

American and World History (3)
U.S. History (if World History was selected for general education) or
Non-U.S. History (if American History was selected for general education)

Mathematics (9)

Natural Sciences (8/9)*
Biological science with lab and
Physical science with lab

Social sciences (6)
Geography and
One of economics, psychology, political science or sociology

Fine arts (3)
ART (if Music was selected for general education) or
MUS (if Art was selected for general education)

**Women's College students take two four-credit science courses; College of Adult Undergraduate Studies students take three three-credit science courses.*

Professional Courses

EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction and Management (3)
EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303) Elementary Reading Materials (3)
EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes and Acquisition of Reading (3)
EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252) Clinical Field

Experience: Elementary (3)

EDU-301 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-301) Educational Psychology (3)

EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307) Social Studies in the Elementary School (3)

EDU-309 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-309) Instruction in Reading (3)

EDU-310 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-310) Mathematics in the Elementary School (3)

EDU-312 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312) Science in the Elementary School (3)

EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective (3)

EDU-411 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-411) Internship: Teaching in the Elementary School (Internship teaching fee required.) (10 or 16)

EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) Assessment of Reading (3)

SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher (3)

PSY-203 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-203) Child and Adolescent Development (3)

Transportation is required for methods labs, field experiences and internships.

Elementary Education with Dual Certification in Special Education

Required Courses

The following courses are available to the student seeking to meet the course requirements for Maryland Certification in Special Education in addition to Certification through the approved program in Elementary Education. The student interested in pursuing this option is advised to begin coursework in the first year and to follow carefully the sequence outlined by her advisor. Students working toward dual certification will use special education courses in place of electives. They will take the Liberal Studies and Elementary Education courses listed previously and an additional 24 credits in Special Education. The student teaching experience can be accomplished during the same semester as the Elementary Education student teaching. More than 120 credits are needed to graduate with dual certification.

Professional Courses

SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337) Communication Skills for the Special Educator (3)

SPE-321 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-321) Methods of Teaching Students with Special Needs (3)

SPE-344 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-344) Assessment in Special Education (3)

SPE-373 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-373) Field Experience in

Special Education (3)

SPE-421 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-421) Elementary Curriculum Design and Adaptation (3)

SPE-422 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-422) Secondary Curriculum Design and Adaptation (for students seeking secondary certification only) (3)

SPE-475 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-475) Student Teaching in Special Education (Student teaching fee required) (6)

Transportation is required for method labs, field experiences and internships.

Elementary Education with Dual Certification in Early Childhood Education

Required Courses

The following courses are available to the student seeking to meet the course requirements for Maryland Certification in Early Childhood Education in addition to Certification through the approved program in Elementary Education. The student interested in pursuing this option is advised to begin coursework in the sophomore year and to follow carefully the sequence outlined by her advisor. Students working toward dual certification will use early childhood education courses in place of electives. They will take the Liberal Studies and Elementary Education courses listed previously and the following courses in Early Childhood Education:

Professional Courses

EDU-315 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-315) Curriculum/Methods and Materials for the Young Child (3)

EDU-410 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-410) Internship: Teaching in Early Childhood Education (6)

Internship fee required.

Certification in English for Speakers of Other Languages (ESOL)

Women's College students in Elementary and Secondary Education Programs of Study who also wish to earn Certification in ESOL complete the following additional courses:

Courses

EDU-253 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-253) Clinical Field Experience: ESOL (3)

EDU-308 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-308) Issues in ESOL (3)

EDU-346 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-346) Methods and Materials ESOL (3)

EDU-347 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-347) Assessing Second Language (3)

EDU-360 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-360) Techniques of Teaching Reading and Writing to Students with Limited English Proficiency (3)

EDU-409 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-409) Internship: Teaching ESOL K-12 (16)

EDU-440 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-440) English Grammar for ESOL Teachers (3)

The following additional professional preparation courses also are required:

EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction (3)

EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes/Acquisition of Reading (3)

EDU-301 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-301) Educational Psychology (3)

EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective (3)

PSY-203 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-203) Child and Adolescent Psychology (3)

SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher (3)

Secondary Education Certification

Required Courses

Students preparing for Certification in Secondary Education subject areas will Major in one of the academic departments offering an approved program and will meet the requirements for that department. In addition, the student completes the following professional courses:

Professional Courses

EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction and Management (3)

EDU-301 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-301) Educational Psychology (3)

EDU-344 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-344) Teaching Reading and Writing in the Secondary School Content Areas I (4)

EDU-363 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-363) Field Experience in Secondary Education (variable)

EDU-376 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-376) Clinical Field Experience: Secondary (3)

EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective (3)

EDU-451 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-451) Teaching Reading and Writing in the Secondary School Content Areas II (3)

SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for

the Classroom Teacher (3)

PSY-203 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-203) Child and Adolescent Development (3)

The following courses in the required sequence are taken in the education semester, the first semester of senior year. Since no other courses may be taken during this time, the student needs to plan her departmental program accordingly.

Education Semester Courses

Methods in the student's area of concentration selected from:

EDU-430 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-430) Art N-12 (3)

EDU-431 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-431) English in the Secondary School (3)

EDU-432 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-432) Modern Foreign Language in the Secondary School (3)

EDU-433 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-433) Mathematics in the Elementary and Secondary School (3)

EDU-437 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-437) Science in the Secondary School (3)

EDU-439 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-439) Social Studies in the Secondary School (3)

MUS-305 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-305) Methods of Teaching Music in the Elementary School (3)

EDU-412 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-412) Internship: Teaching Elementary Art (Internship fee required (variable)

EDU-413 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-413) Internship: Teaching in the Secondary School (Internship fee required) (12)

EDU-419 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-419) Internship: Secondary Art (Internship fee required) (variable)

Transportation is required for methods and teaching internship.

Physical Education

Melissa Falen, M.A, *Coordinator*

The Physical Education Program of Study is an integral part of a liberal arts education. Physical Education is designed to encourage the student's knowledge, interest, participation and competence in physical activities. Courses are offered in two areas: Theory and Skill-based classes. Emphasis is on developing and maintaining comprehensive wellness, including physical fitness and personal well-being, by enjoying leisure activities and developing leadership skills through building self-confidence.

Requirements

All Physical Education courses fulfill the 1-credit General Education Requirement in Physical Education. Students may choose either a Skill (100-level) or Theory (200/300-level) course. Students may take up to 3 credits of Physical Education toward the 120 graduation credit total. Students may opt to take more than 3 credits of Physical Education credits as electives that do not count toward the 120 credit minimum.

The General Education Requirement may be fulfilled through participation on a University varsity athletic team in accordance with University policy. Policy information is available in the Physical Education office, the Athletic Department and from the Registrar.

Methods of Teaching in Secondary Schools

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses.

EDU-430 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-430) ART N-12 [3 credits]

EDU-431 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-431) ENGLISH IN THE SECONDARY SCHOOL [3 credits]

EDU-432 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-432) MODERN FOREIGN LANGUAGE IN THE SECONDARY SCHOOL [3 credits]

EDU-433 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-433) MATHEMATICS IN THE SECONDARY SCHOOL [3 credits]

EDU-435 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-435) MUSIC IN THE SECONDARY SCHOOL [3 credits]

EDU-437 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-437) SCIENCE IN THE SECONDARY SCHOOL [3 credits]

EDU-439 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-439) SOCIAL STUDIES IN THE SECONDARY SCHOOL [3 credits]

EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) ASSESSMENT OF READING

EDU-463 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-463) INDEPENDENT STUDY IN EDUCATION

Special Education

SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337) COMMUNICATION SKILLS FOR THE SPECIAL EDUCATOR

SPE-321 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-321) METHODS OF TEACHING STUDENTS WITH SPECIAL NEEDS

SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) SPECIAL EDUCATION FOR THE CLASSROOM TEACHER

SPE-344 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-344) ASSESSMENT IN SPECIAL EDUCATION

SPE-373 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-373) FIELD EXPERIENCE IN SPECIAL EDUCATION

SPE-421 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-421) ELEMENTARY CURRICULUM DESIGN AND ADAPTATION

SPE-422 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-422) SECONDARY CURRICULUM DESIGN AND ADAPTATION

SPE-475 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-475) INTERNSHIP: TEACHING IN SPECIAL EDUCATION

Physical Education

PED-105 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-105) APPLIED DEFENSIVE TECHNIQUES IN CRIMINOLOGY

PED-129 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-129) RACQUETBALL

PED-146 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-146) INTRODUCTION TO GOLF

PED-190 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-190) SPECIAL TOPICS IN PHYSICAL EDUCATION

PED-231 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-231) WELLNESS

PED-232 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-232) THEORY AND PRACTICE OF AEROBIC CONDITIONING

PED-233 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-233) THEORY AND PRACTICE OF WEIGHT TRAINING

PED-250 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-250) SOCIOLOGY OF SPORT

PED-301 (https://catalog.ndm.edu/courses/list/index.php?dept=PED#PED-301) AMERICAN WOMEN IN SPORTS HISTORY

Courses

EDU-252 Clinical Field Experience: Elementary

Offers a direct instructional field experience in an assigned area elementary public school for three weeks, all day. Includes instruction in school organization, curriculum, characteristics and diverse needs of children, and issues in teaching and learning. Classroom observation and participation seminars. [3 credits]

EDU-253 Clinical Field Experience: ESOL

Provides opportunities for supervised classroom observation and participation in ESOL in a Baltimore area school. Assigned by the education department in cooperation with the local school systems. Three-week session, full school days. (Offered in Winterim.) [3 credits]

EDU-300 Technology for Instruction & Management

Provides prospective classroom teacher swith opportunities for planning, designing and producing projects that support the instructional needs of students in grades K-12, including best practices for the integration of technology into curriculum with state and national technology standards. Students complete a variety of projects to develop skills in word processing, Web page development, computer presentations and other technolgies. For education majors only. [3 credits]

EDU-301 Educational Psychology

Examines stages of the cognitive, affective and physical domains of student development. Includes analysis and discussion of basic theories of learning and teaching and their applications to classroom situations including diversity and individual differences as factors influencing student learning (including socioeconomic diversity, cultural diversity and the needs of special education students, gifted and talented education and English Language Learners), motivation and classroom management. Assessment issues including formal and informal assessment, norm referenced and criterion referenced testing, and the implications of assessment measures (such as the Maryland Common Core Curriculum Standards) for learning and teaching are also examined. Includes student-centered approaches to learning (including service-learning activities). Recommended prerequisite: PSY-203 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-203). [3 credits]

EDU-303 Elementary School Reading Materials

Assists participants in selecting and evaluating materials for teaching reading and developing related skills that are consistent with the findings of scientifically based reading research. Strengthens understanding of research-supported programs, approaches and methods to address different levels of reading proficiency within the classroom and thereby enable all students (G&T, ELL, Special Needs, etc) to become strategic, fluent and independent readers. Participants will use a variety of texts and other materials to promote independent reading. Participants will be prepared to involve parents and members of the school and community to promote daily reading inside and outside of school. Throughout the course, participants will apply key concepts to various group and individual tasks and projects, including discussions and simulations. NOTE: Students cannot receive credit for both EDU-

103 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-103) and EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303). [3 credits]

EDU-307 Social Studies in the Elementary School

Provides a conceptual and analytical approach to teaching and learning social studies in the elementary school. Emphasis on integration of content and process through use of experimental, activity and inquiry approaches to meet the needs of diverse learners. Includes information related to selecting instructional resources, developing curriculum materials and integrating concepts, skills and values. Requires construction of learning materials and peer teaching. [4 credits]

EDU-308 Issues in ESOL

Introduces students to the field of TESOL by providing an overview of instructional programs and approaches for teaching English as a second language to students from K-12 to postsecondary levels. The course includes bilingualism, legal and political trends as they pertain to ESL students in various educational settings, and the impact of state and national initiatives, such as the Common Core State Standards and ESSA, on ESL students and TESOL. [3 credits]

EDU-309 Instruction in Reading

Increases the participant's familiarity with a representative array of research-based instructional techniques and strategies in reading. Participants will learn age-appropriate instructional routines and strategies in the five major components of reading instruction (phonological and phonemic awareness; phonics, spelling and word study; fluency development; vocabulary; and comprehension). Throughout the course candidates will demonstrate their knowledge of the instructional routines and strategies by role-play, live demonstration, critiquing models, using the Common Core Reading Standards and reviewing the research in support of those approaches. [3 credits]

EDU-310 Mathematics in the Elementary School

Integrates mathematical concepts with the methods employed to teach mathematics in the elementary school. Emphasis on National Council of Teachers of Mathematics (NCTM) Standards and implementation of the Common Core Mathematics standards in instruction. Focus on a hands-on approach using manipulatives. Includes preparation of lesson plans and microteaching experiences. [4 credits]

EDU-312 Science in the Elementary School

Integration of basic concepts of physical, life, earth and space sciences. Emphasis on discovery of concepts through demonstrations and investigations. Addresses the three domains of science education: knowledge, skills and attitudes. Attention given to National Standards, the Common Core Science Standards and the use of indicators in planning, instruction and assessing. Includes preparation of a science unit and microteaching experience. Permission required. [4 credits]

EDU-313 Science and Social Studies in the Elementary School

Emphasizes integration of content and process through demonstration, investigative and inquiry approaches. Addresses the three domains of knowledge, skills and attitudes. Attention is given to recent trends, national and state standards, and the use of indicators in planning instruction and assessing. Includes preparation of instructional units and microteaching experience. [3 credits]

EDU-315 Curriculum/Methods and Materials For the Young Child

Presents curriculum, methods and materials for early childhood programs, preschool through primary grades. Family and community involvement strategies. Instruction in planning, implementation and assessment of interdisciplinary activities to stimulate cognitive, linguistic, social and motor development to meet the diverse needs of learners. [4 credits]

EDU-344 Teaching Reading and Writing in the Secondary School Content Areas I

Studies principles and techniques in teaching interactive reading and writing in secondary school content areas: vocabulary and skill development; pre-reading, reading and post-reading strategies. Techniques for assessing student literacy levels and readability levels of texts. Strategies for individualizing instruction to address the unique needs of diverse learners; e.g., gifted and talented, second language learners, students with special needs, etc. Includes classroom observation and participation in Baltimore area secondary schools. Preparation of lesson plans and peer teaching. [3 credits]

EDU-346 Methods and Materials for ESOL

Familiarizes students with methods and materials available to the ESOL teacher. Analyzes a wide variety of methods, with emphasis on currently accepted methodology. Different kinds of materials are examined in detail, including authentic materials and the Internet. Students will develop techniques for effectively teaching the four language skill areas in well-designed courses while also adapting standards-based content to the needs of ESOL students. [3 credits]

EDU-347 Assessing Second Language Acquisition

Introduces the student to various assessment techniques that are used in ESOL teaching. Examines traditional testing techniques, along with more recently developed alternative (authentic) methods for assessing second language learning, focusing on the four language skills: reading, writing, listening and speaking. Communicative competence in general will be stressed. n addition, we will critically evaluate the ESOL assessment methods used for placement purposes by various local public school systems as well as placement tests used for adult and higher education. [3 credits]

EDU-357 Procurement & Acquisition of Reading

Assists pre-service and in-service teachers in understanding the reading acquisition process through observation and analysis of reading and written language development. The course is organized around current, accepted, research-based theoretical models that account for individual differences in



reading. Introduction to language structure including spoken syllables, phonemes, graphemes and morphemes is included. Using current research-based strategies, participants will apply knowledge of the core areas of language to reading acquisition in terms of first and second language acquisition, typical development, gifted and talented and other exceptionalities. Throughout the course, candidates will demonstrate their knowledge of concepts and skills through a variety of tasks such as assessing their ability to identify linguistic units, observations of students and analysis of student work, and presentations of research summaries. NOTE: Students cannot receive credit for both EDU-207 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-207) and EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357). [3 credits]

EDU-360 Techniques of Teaching Reading and Writing to Students With Limited English Proficiency

Addresses the development of reading and writing from a cognitive perspective. Students will become familiar with the approaches, methods and techniques appropriate for the teaching of reading and writing to English Language Learners. Special topics such as the integrated skills curriculum, language-specific rhetorical styles and free voluntary reading will also be discussed. Students will evaluate and design appropriate classroom materials. [3 credits]

EDU-373 Field Exp in Spec Ed

Provides supervised classroom observation and participation in special education in diverse Baltimore area schools. Assigned by the School of Education in cooperation with local school systems. Permission required. [3 credits]

EDU-376 Clinical Field Experience: Secondary

Provides direct instructional field experience in an assigned Baltimore area public middle school for three weeks, all day. Includes instruction in middle school organization and curriculum, characteristics and diverse needs of middle school children, and issues in teaching and learning. Classroom observation and participation. Weekly seminars. Permission required. Three-week session, full school days. [3 credits]

EDU-402 American Education in Historical Perspective

Surveys major developments in the history of American education from colonial times to the present. Examines influential persons, ideas and institutions in the context of American society. Education and public policy, legal issues, priorities and innovations in American education reviewed from a critical perspective. [3 credits]

EDU-409 Internship:Teaching ESOL K-12

Develops intensive opportunities for full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools. Permission required. Teaching internship fee required. [16 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-410 Internship: Teaching in Early Childhood Education

Incorporates full-time observation and supervised student teaching required. Internship fee required. [variable credits: 2-5 credits]

NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department. Students preparing for dual certification neroll in designated alternative sections of appropriate internships for 105 credits each. Consult program advisor before registering.

EDU-411 Internship: Teaching in the Elementary School

Provides full-time observation and supervised internship experiences in diverse Baltimore area professional development schools. Seminars on various topics in education such as analysis of teaching in elementary schools, school and family relationships, and interviewing and employment practices. Permission required. Teaching internship fee required. [5-11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-413 Internship:Teaching in the Secondary School

Incorporates full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools during the fall semester only. Permission required. Teaching internship fee required. [11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-420 Dim Curric/Inst Sec Sch

Examines aims, organization and administration of American secondary schools. Principles of curriculum organization and design for middle and senior high schools. Curriculum development in school systems, in specific schools, and in academic disciplines. Multicultural and gender issues are considered. Class is interrelated with methods courses in study and application of principles of teaching-learning, used of technology for instruction, analysis of teaching, assessment of classroom management. [3 credits]

EDU-429 Meth Bus Ed/Sec Sch

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]



EDU-430 Art N-12

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-431 English in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-432 Modern Foreign Language in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-433 Mathematics in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-437 Science in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching

the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-439 Social Studies in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-440 English Grammar for ESOL Teachers

Analyzes the grammar of American English in detail, with an emphasis on those areas of English grammar that tend to present problems for ESOL/EFL students. Students will learn how to teach grammar, including how to contextualize grammar instruction in thematic lessons. Included will be a discussion of how grammar instruction fits into current trends in language teaching. [3 credits]

EDU-451 Teaching Reading and Writing in the Content Areas II

Examines methods, purposes and criteria used in diagnosing strengths and weaknesses of students with a range of reading abilities; e.g., special needs, gifted and talented, ESOL. Focus is on authentic formal and informal assessment of individual secondary school students and application of test results in various secondary curriculum content areas. Includes an applied, school-based assessment experience. [3 credits]

EDU-460 Assessment of Reading

Provides students with a background in assessment and its relationship to instruction. Students will learn about the variety of assessments available to the classroom teacher in the areas of reading and writing and how to administer, score and interpret the results of these various assessments. Instructional decisions regarding the educational program of the child, and his/her diverse needs will also be examined. [3 credits] NOTE: Please refer to cohort schedule. Additional clas times may meet in previous semester.

EDU-491 Topics in Education

SPE-321 Methods of Teaching Students With Special Needs

Provides the student with methods to facilitate the teaching of students with diverse learning needs. Course content includes cognitive processing, classroom management and organization strategies.

Models of instructional delivery, adaptation of instructional materials, strategy instruction and means of assessing student progress are explored. Current trends and issues in special education are included as well. [3 credits]

SPE-326 Special Education for the Classroom Teacher

Includes brief history as well as legal foundations of current special education models and practices. Explores characteristics of students with disabilities as well as at-risk populations in general education. Addresses the responsibilities of educators, exploring generic strategies for programming for special needs students in the general education classroom, including the Common Core Standards. Required for all Maryland teachers. [3 credits]

SPE-337 Communication Skills for the Special Educator

Addresses human relations, communication and informal counseling skills and their critical role in meeting the diverse needs of students with disabilities. Explores role of the special educator as a member of an interdisciplinary team. Includes research on parent/teacher attitudes, roles and responsibilities. Presents models and techniques for effective interface with parents as well as other professionals encountered in the process of holistic programming. Additional topics include parent training, advocacy, multicultural considerations and accessing community services. [3 credits]

NOTE: Students cannot receive credit for both SPE-237 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-237) and SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337).

SPE-344 Assessment in Special Education

Introduces diagnostic processes used in special education. Includes student-conducted informal and formal assessments as well as analysis, interpretation and presentation of test results. Covers prescriptive techniques and instructional planning as well as current trends in student assessment. Addresses P.L. 94-142, COMAR and other related legislation. [3 credits]

SPE-373 Field Experience in Special Education

Provides supervised classroom observation and participation in special education in a Baltimore area school. Assigned by the education department in cooperation with local school systems. Permission required. (Offered in Winterim.) [3 credits]

SPE-421 Elementary Curriculum Design and Adaptation

Applies principles for adapting curriculum to special needs students at the elementary level. Includes analysis of diagnostic and developmental factors, goal setting and IEP formulation. Explores instructional strategies, identification of materials and resources, and evaluation techniques as they relate to the basic content areas and the Common Core Standards. Prerequisites: SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326). Permission required. [2 credits]

SPE-475 Internship: Teaching in Special Education

Provides student with opportunities for full-time supervised teaching in a special education program in diverse Baltimore area schools. Permission required. Teaching internship fee required. [5 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

SPE-491 Top: Comm Skills for Spec Educ

This course is reserved for specialized topics and independent study. [3 credits]

Learn more

- College of Adult Undergraduate Studies (CAUS) (/undergraduate-catalog/school-of-education/college-of-adult-undergraduate-studies-caus?menu=school-of-education)
- Traditional Undergraduate (/undergraduate-catalog/school-of-education/trad-und?menu=school-of-education)

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College of Adult Undergraduate Studies (CAUS)

CAUS Education Verbiage.

Learn more

- Early Childhood Education (/undergraduate-catalog/school-of-education/college-of-adult-undergraduate-studies-caus/early-childhood-education-caus_1?menu=college-of-adult-undergraduate-studies-caus)
- Elementary Education (/undergraduate-catalog/school-of-education/college-of-adult-undergraduate-studies-caus/elementary-education-caus_1?menu=college-of-adult-undergraduate-studies-caus)
- Liberal Studies/ESOL (/undergraduate-catalog/school-of-education/college-of-adult-undergraduate-studies-caus/liberal-studiesesol-caus?menu=college-of-adult-undergraduate-studies-caus)
- Special Education (Dual Certification) (/undergraduate-catalog/school-of-education/college-of-adult-undergraduate-studies-caus/special-education-dual-certification-caus_1?menu=college-of-adult-undergraduate-studies-caus)

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Elementary and Early Childhood Education, Liberal Studies

Department

Degrees offered

Campuses

Main Campus

The NDMU College of Adult Undergraduate Studies (CAUS) prepares interested students to become certified to teach children in pre-kindergarten through grade three. NDMU invites students to consider preparing for a career as an early childhood education teacher. Being a certified early childhood educator allows the professional to teach in a public or private school setting where they work with children who are in pre-kindergarten up to and including grade three. Teaching at this level requires close attention to the developmental needs of young children and how to appropriately support their learning process. As with

any teaching assignment, the educator must be equipped to effectively plan lessons to engage these young learners in activities stimulating their fine and gross motor skills as well as their kinesthetic, auditory, and visual senses. Early Childhood Education Program of Study focuses on the academic, social, and cognitive skills that develop in children during their formative years.

Most early childhood educators work throughout the school day in a classroom setting with a single group of students for whom all content areas must be taught, i.e., English language arts, social studies, mathematics, and science instruction. Regardless of age and grade-level placement, NDMU will prepare all graduates to be highly qualified for any teaching situation by providing multiple opportunities for them to learn and teach in a variety of settings under outstanding mentor teachers. In fact, NDMU is the only teacher preparation program in Maryland that affords students the opportunity to observe pre-school age children on its main campus in LeClerc Hall in a program called 'A Child's Place', a school for children age 3 through kindergarten.

Degree candidates must complete the general education classes listed in Engage and Empower as well as liberal arts requirements designated by MSDE.

Elementary & Early Childhood Core Curriculum

EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252) Clinical Field Experience: Elementary (*Students who work full time in an Early Childhood setting can apply to waive this experience.)*
EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction & Management
EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303) Elementary School Reading Materials
EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307) Social Studies in the Elementary School
EDU-309 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-309) Instruction in Reading
EDU-310 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-310) Mathematics in the Elementary School
EDU-312 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312) Science in the Elementary School
EDU-315 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-315) Curriculum/Methods

and Materials for the Young Child
EDU-319 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-319) Human Development and Learning
EDU-338 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-338) English Language Learners for the Classroom Teacher
EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes and Acquisition of Reading
EDU-400 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-400) edTPA for Education
EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective
EDU-410 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-410) Internship: Teaching in Early Childhood Education
EDU-411 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-411) Internship: Teaching in the Elementary School
EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) Assessment of Reading
SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher

Liberal Arts courses in the Major are exclusive of those required for General Education

Literature (6)
American literature
World literature

History (3)
U.S. History (if World History was selected for general education) or Non-U.S. History (if American History was selected for general education)

Mathematics (9)

Natural Sciences (8/9)*
Biological science with lab
Physical science with lab

Social sciences (6)
Geography
Economics, Psychology, Political Science OR Sociology

Fine arts (3)
Art (if Music was selected for general education) OR Music (if Art was selected for general education)

**Traditional undergraduate students take three four-credit science courses; College of Adult Undergraduate Studies students take four three-credit science courses.*

Courses

EDU-252 Clinical Field Experience: Elementary

Offers a direct instructional field experience in an assigned area elementary public school for three weeks, all day. Includes instruction in school organization, curriculum, characteristics and diverse needs of children, and issues in teaching and learning. Classroom observation and participation seminars. [3 credits]

EDU-300 Technology for Instruction & Management

Provides prospective classroom teacher swith opportunities for planning, designing and producing projects that support the instructional needs of students in grades K-12, including best practices for the integration of technology into curriculum with state and national technology standards. Students complete a variety of projects to develop skills in word processing, Web page development, computer presentations and other technolgies. For education majors only. [3 credits]

EDU-303 Elementary School Reading Materials

Assists participants in selecting and evaluating materials for teaching reading and developing related skills that are consistent with the findings of scientifically based reading research. Strengthens understanding of research-supported programs, approaches and methods to address different levels of reading proficiency within the classroom and thereby enable all students (G&T, ELL, Special Needs, etc) to become strategic, fluent and independent readers. Participants will use a variety of texts and other materials to promote independent reading. Participants will be prepared to involve parents and members of the school and community to promote daily reading inside and outside of school. Throughout the course, participants will apply key concepts to various group and individual tasks and projects, including discussions and simulations. NOTE: Students cannot receive credit for both EDU-103 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-103) and EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303). [3 credits]

EDU-307 Social Studies in the Elementary School

Provides a conceptual and analytical approach to teaching and learning social studies in the elementary school. Emphasis on integration of content and process through use of experimental, activity and inquiry approaches to meet the needs of diverse learners. Includes

information related to selecting instructional resources, developing curriculum materials and integrating concepts, skills and values. Requires construction of learning materials and peer teaching. [4 credits]

EDU-309 Instruction in Reading

Increases the participant's familiarity with a representative array of research-based instructional techniques and strategies in reading. Participants will learn age-appropriate instructional routines and strategies in the five major components of reading instruction (phonological and phonemic awareness; phonics, spelling and word study; fluency development; vocabulary; and comprehension). Throughout the course candidates will demonstrate their knowledge of the instructional routines and strategies by role-play, live demonstration, critiquing models, using the Common Core Reading Standards and reviewing the research in support of those approaches. [3 credits]

EDU-310 Mathematics in the Elementary School

Integrates mathematical concepts with the methods employed to teach mathematics in the elementary school. Emphasis on National Council of Teachers of Mathematics (NCTM) Standards and implementation of the Common Core Mathematics standards in instruction. Focus on a hands-on approach using manipulatives. Includes preparation of lesson plans and microteaching experiences. [4 credits]

EDU-312 Science in the Elementary School

Integration of basic concepts of physical, life, earth and space sciences. Emphasis on discovery of concepts through demonstrations and investigations. Addresses the three domains of science education: knowledge, skills and attitudes. Attention given to National Standards, the Common Core Science Standards and the use of indicators in planning, instruction and assessing. Includes preparation of a science unit and microteaching experience. Permission required. [4 credits]

EDU-315 Curriculum/Methods and Materials For the Young Child

Presents curriculum, methods and materials for early childhood programs, preschool through primary grades. Family and community involvement strategies. Instruction in planning, implementation and assessment of interdisciplinary activities to stimulate cognitive, linguistic, social and motor development to meet the diverse needs of learners. [4 credits]

EDU-319 Human Development and Learning

Explores selected aspects of human development related to learning and instruction. Major psychological concepts and learning theories will be examined and applied to the context of eduction. Emphasis will be placed on understanding cognitive and affective domains of development as well as behavior management, motivation, individual differences in learning and instructional practices. Includes reflection, classroom activities, educational philosophy and classroom instruction. [3 credits]

EDU-338 English Language Learners for the Classroom Teacher

Equips mainstream classroom teachers with the knowledge and skills required to address the linguistic needs of students whose language is one other than English. After reviewing recent demographic trends and legal mandates as they pertain to English Language Learners (ELLs) in public schools, this course analyzes factors that influence the challenges of ELLs in K-12, including prior education, first language literacy skills, English proficiency, and cultural issues. Special emphasis will be placed on the linguistic demands of the K-12 curriculum and effective pedagogical approaches for ELLs. [3 credits]

EDU-357 Procurement & Acquisition of Reading

Assists pre-service and in-service teachers in understanding the reading acquisition process through observation and analysis of reading and written language development. The course is organized around current, accepted, research-based theoretical models that account for individual differences in reading. Introduction to language structure including spoken syllables, phonemes, graphemes and morphemes is included. Using current research-based strategies, participants will apply knowledge of the core areas of language to reading acquisition in terms of first and second language acquisition, typical development, gifted and talented and other exceptionalities. Throughout the course, candidates will demonstrate their knowledge of concepts and skills through a variety of tasks such as assessing their ability to identify linguistic units, observations of students and analysis of student work, and presentations of research summaries. NOTE: Students cannot receive credit for both EDU-207 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-207) and EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357). [3 credits]

EDU-400 edTPA for Educators

This course is designed for education students going through their internship. It prepares them for the submission of the required national teaching portfolio. Students are mentored through the process by School of Education faculty mentors. [variable credit 1-3]

EDU-402 American Education in Historical Perspective

Surveys major developments in the history of American education from colonial times to the present. Examines influential persons, ideas and institutions in the context of American society. Education and public policy, legal issues, priorities and innovations in American education reviewed from a critical perspective. [3 credits]

EDU-410 Internship: Teaching in Early Childhood Education

Incorporates full-time observation and supervised student teaching required. Internship fee required. [variable credits: 2-5 credits]

NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department. Students preparing for dual certification neroll in designated alternative sections of appropriate internships for 105 credits each. Consult program advisor before registering.

EDU-411 Internship: Teaching in the Elementary School

Provides full-time observation and supervised internship experiences in diverse Baltimore area professional development schools. Seminars on various topics in education such as analysis of teaching in elementary schools, school and family relationships, and interviewing and employment practices. Permission required. Teaching internship fee required. [5-11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-460 Assessment of Reading

Provides students with a background in assessment and its relationship to instruction. Students will learn about the variety of assessments available to the classroom teacher in the areas of reading and writing and how to administer, score and interpret the results of these various assessments. Instructional decisions regarding the educational program of the child, and his/her diverse needs will also be examined. [3 credits] NOTE: Please refer to cohort schedule. Additional clas times may meet in previous semester.

SPE-326 Special Education for the Classroom Teacher

Includes brief history as well as legal foundations of current special education models and practices. Explores characteristics of students with disabilities as well as at-risk populations in general education. Addresses the responsibilities of educators, exploring generic strategies for programming for special needs students in the general education classroom, including the Common Core Standards. Required for all Maryland teachers. [3 credits]

Elementary Education, Liberal Studies

Department

Degrees offered

Major

Campuses

Main Campus

The NDMU School of Education strives to prepare teacher candidates to respond to the supply and demand of the teacher education workforce and endeavors to prepare candidates who are highly skilled and equipped to teach children regardless of learning style, differentiated or special needs, and racial or socio-economic status. As such, candidates are encouraged to pursue certification in more than one content area or specialization; e.g, Certification in Biology and Special Education; or in English and TESOL; or in Elementary

Education and Early Childhood Education. In some cases, candidates can even obtain three or four certifications (e.g, elementary, special education, early childhood education and/or TESOL).

Having more than one certification yields several benefits: 1) Most important of all, candidates are exposed to specific content and instructional strategies that may be unique to targeted individuals or groups of students (e.g, second language generation students whose parents speak only in their native language). 2) Candidates acquire a deeper, richer background in the vast variety of instructional strategies that one might employ, irrespective of the student's classification (e.g, a student in a Gifted and Talented class might respond just as readily to a 'reward and praise' technique as would a student with special needs). 3) Candidates find that, when seeking employment, they are more marketable because principals are afforded greater flexibility in assigning them to teaching positions that fit the needs of their school and student population (e.g, if given two equally qualified candidates from which to select, a principal is more likely to hire a candidate who has more than one certification, thereby giving them more flexibility to assign highly qualified teachers to classrooms based on that certification).

In essence, the teacher candidates enter the education profession with a larger and more diverse skill set of instructional strategies and content knowledge to better meet the needs of the school system, where employed, and the children whom they are entrusted to teach.

Pathways to obtain dual, triple, or even four certifications are outlined in the following tables, based on professional courses needed, content areas, programs and degrees.

Degree candidates must complete the general education classes listed in Engage and Empower as well as the liberal arts classes required by MSDE.

Elementary Core Curriculum

EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252) Clinical Field Experience: Elementary (*Students who work full time in an Early Childhood setting can apply to waive this experience.)*
EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction & Management
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EDU-312 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312) Science in the Elementary School
EDU-315 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-315) Curriculum/Methods and Materials for the Young Child
EDU-319 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-319) Human Development and Learning
EDU-338 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-338) English Language Learners for the Classroom Teacher
EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes and Acquisition of Reading
EDU-400 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-400) edTPA for Education
EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective
EDU-411 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-411) Internship: Teaching in the Elementary School
EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) Assessment of Reading
SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher

Liberal Arts courses in the Major are exclusive of those required for General Education

Literature (6)

American literature
World literature

History (3)

U.S. History (if World History was selected for general education) or Non-U.S. History (if American History was selected for general education)

Mathematics (9)

Natural Sciences (8/9)*

Biological science with lab

Physical science with lab

Social sciences (6)

Geography

Economics, Psychology, Political Science OR Sociology

Fine arts (3)

Art (if Music was selected for general education) OR Music (if Art was selected for general education)

**Traditional undergraduate students take three four-credit science courses; College of Adult Undergraduate Studies students take four three-credit science courses.*

Courses

EDU-252 Clinical Field Experience: Elementary

Offers a direct instructional field experience in an assigned area elementary public school for three weeks, all day. Includes instruction in school organization, curriculum, characteristics and diverse needs of children, and issues in teaching and learning. Classroom observation and participation seminars. [3 credits]

EDU-300 Technology for Instruction & Management

Provides prospective classroom teacher swith opportunities for planning, designing and producing projects that support the instructional needs of students in grades K-12, including best practices for the integration of technology into curriculum with state and national technology standards. Students complete a variety of projects to develop skills in word processing, Web page development, computer presentations and other technolgies. For education majors only. [3 credits]

EDU-303 Elementary School Reading Materials

Assists participants in selecting and evaluating materials for teaching reading and developing related skills that are consistent with the findings of scientifically based reading research. Strengthens understanding of research-supported programs, approaches and methods to address different levels of reading proficiency within the classroom and thereby enable all students (G&T, ELL, Special Needs, etc) to become strategic, fluent and independent readers.

Participants will use a variety of texts and other materials to promote independent reading. Participants will be prepared to involve parents and members of the school and community to promote daily reading inside and outside of school. Throughout the course, participants will apply key concepts to various group and individual tasks and projects, including discussions and simulations. NOTE: Students cannot receive credit for both EDU-103 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-103) and EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303). [3 credits]

EDU-307 Social Studies in the Elementary School

Provides a conceptual and analytical approach to teaching and learning social studies in the elementary school. Emphasis on integration of content and process through use of experimental, activity and inquiry approaches to meet the needs of diverse learners. Includes information related to selecting instructional resources, developing curriculum materials and integrating concepts, skills and values. Requires construction of learning materials and peer teaching. [4 credits]

EDU-309 Instruction in Reading

Increases the participant's familiarity with a representative array of research-based instructional techniques and strategies in reading. Participants will learn age-appropriate instructional routines and strategies in the five major components of reading instruction (phonological and phonemic awareness; phonics, spelling and word study; fluency development; vocabulary; and comprehension). Throughout the course candidates will demonstrate their knowledge of the instructional routines and strategies by role-play, live demonstration, critiquing models, using the Common Core Reading Standards and reviewing the research in support of those approaches. [3 credits]

EDU-310 Mathematics in the Elementary School

Integrates mathematical concepts with the methods employed to teach mathematics in the elementary school. Emphasis on National Council of Teachers of Mathematics (NCTM) Standards and implementation of the Common Core Mathematics standards in instruction. Focus on a hands-on approach using manipulatives. Includes preparation of lesson plans and microteaching experiences. [4 credits]

EDU-312 Science in the Elementary School

Integration of basic concepts of physical, life, earth and space sciences. Emphasis on discovery of concepts through demonstrations and investigations. Addresses the three domains of science education: knowledge, skills and attitudes. Attention given to National Standards, the

Common Core Science Standards and the use of indicators in planning, instruction and assessing. Includes preparation of a science unit and microteaching experience. Permission required. [4 credits]

EDU-315 Curriculum/Methods and Materials For the Young Child

Presents curriculum, methods and materials for early childhood programs, preschool through primary grades. Family and community involvement strategies. Instruction in planning, implementation and assessment of interdisciplinary activities to stimulate cognitive, linguistic, social and motor development to meet the diverse needs of learners. [4 credits]

EDU-319 Human Development and Learning

Explores selected aspects of human development related to learning and instruction. Major psychological concepts and learning theories will be examined and applied to the context of eduction. Emphasis will be placed on understanding cognitive and affective domains of development as well as behavior management, motivation, individual differences in learning and instructional practices. Includes reflection, classroom activities, educational philosophy and classroom instruction. [3 credits]

EDU-338 English Language Learners for the Classroom Teacher

Equips mainstream classroom teachers with the knowledge and skills required to address the linguistic needs of students whose language is one other than English. After reviewing recent demographic trends and legal mandates as they pertain to English Language Learners (ELLs) in public schools, this course analyzes factors that influence the challenges of ELLs in K-12, including prior education, first language literacy skills, English proficiency, and cultural issues. Special emphasis will be placed on the linguistic demands of the K-12 curriculum and effective pedagogical approaches for ELLs. [3 credits]

EDU-357 Procurement & Acquisition of Reading

Assists pre-service and in-service teachers in understanding the reading acquisition process through observation and analysis of reading and written language development. The course is organized around current, accepted, research-based theoretical models that account for individual differences in reading. Introduction to language structure including spoken syllables, phonemes, graphemes and morphemes is included. Using current research-based strategies, participants will apply knowledge of the core areas of language to reading acquisition in terms of first and second language acquisition, typical development, gifted and talented and other exceptionalities. Throughout the course, candidates will demonstrate their knowledge of

concepts and skills through a variety of tasks such as assessing their ability to identify linguistic units, observations of students and analysis of student work, and presentations of research summaries. NOTE: Students cannot receive credit for both EDU-207 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-207) and EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357). [3 credits]

EDU-400 edTPA for Educators

This course is designed for education students going through their internship. It prepares them for the submission of the required national teaching portfolio. Students are mentored through the process by School of Education faculty mentors. [variable credit 1-3]

EDU-402 American Education in Historical Perspective

Surveys major developments in the history of American education from colonial times to the present. Examines influential persons, ideas and institutions in the context of American society. Education and public policy, legal issues, priorities and innovations in American education reviewed from a critical perspective. [3 credits]

EDU-411 Internship: Teaching in the Elementary School

Provides full-time observation and supervised internship experiences in diverse Baltimore area professional development schools. Seminars on various topics in education such as analysis of teaching in elementary schools, school and family relationships, and interviewing and employment practices. Permission required. Teaching internship fee required. [5-11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-460 Assessment of Reading

Provides students with a background in assessment and its relationship to instruction. Students will learn about the variety of assessments available to the classroom teacher in the areas of reading and writing and how to administer, score and interpret the results of these various assessments. Instructional decisions regarding the educational program of the child, and his/her diverse needs will also be examined. [3 credits] NOTE: Please refer to cohort schedule. Additional clas times may meet in previous semester.

SPE-326 Special Education for the Classroom Teacher

Includes brief history as well as legal foundations of current special education models and practices. Explores characteristics of students with disabilities as well as at-risk populations in general education. Addresses the responsibilities of educators, exploring generic strategies for

programming for special needs students in the general education classroom, including the Common Core Standards. Required for all Maryland teachers. [3 credits]

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Liberal Studies/ESOL

The NDMU School of Education strives to prepare teacher candidates to respond to the supply and demand of the teacher education workforce and endeavors to prepare candidates who are highly skilled and equipped to teach children regardless of learning style, differentiated or special needs, and racial or socio-economic status. As such, candidates are encouraged to pursue certification in more than one content area or specialization; e.g, Certification in Biology and Special Education; or in English and TESOL; or in Elementary Education and Early Childhood Education. In some cases, candidates can even obtain three or four certifications (e.g, elementary, special education, early childhood education and/or TESOL).

Having more than one certification yields several benefits: 1) Most important of all, candidates are exposed to specific content and instructional strategies that may be unique to targeted individuals or groups of students (e.g, second language generation students whose parents speak only in their native language). 2) Candidates acquire a deeper, richer background in the vast variety of instructional strategies that one might employ, irrespective of the student's classification (e.g, a student in a Gifted and Talented class might respond just as readily to a 'reward and praise' technique as would a student with special needs). 3) Candidates find that, when seeking employment, they are more marketable because principals are afforded greater flexibility in assigning them to teaching positions that fit the needs of their school and student

population (e.g, if given two equally qualified candidates from which to select, a principal is more likely to hire a candidate who has more than one certification, thereby giving them more flexibility to assign highly qualified teachers to classrooms based on that certification).

In essence, the teacher candidates enter the education profession with a larger and more diverse skill set of instructional strategies and content knowledge to better meet the needs of the school system, where employed, and the children whom they are entrusted to teach.

Pathways to obtain dual, triple, or even four certifications are outlined in the following tables, based on professional courses needed, content areas, programs and degrees.

Elementary Education/Liberal Studies

The Elementary Education/Liberal Studies Major provides a balanced program of liberal arts courses in a variety of academic fields, a planned sequence of professional courses, and practical field experiences that culminate in an extended teaching internship experience. Completion of the program qualifies graduates for Maryland State Department Certification in Elementary Education. Each student works closely with an academic advisor to ensure that the student obtains all the credits needed for the degree, as well as the requirements of the State Department of Education for Certification in Elementary Education. Traditional undergraduate students interested in Elementary Education are encouraged to declare the Elementary Education/Liberal Studies Major in spring semester of the first year.

For students in CAUS, the practical field experiences, including the teaching internship, are the only parts of the Program of Study offered during the day. These must be taken during the academic year when elementary schools are in session. The teaching internship must be completed in the fall semester.

Programs of Study

Required Courses for a Major in Elementary Education/Liberal Studies

Liberal Arts courses in the Major are exclusive of those required for General Education.

Literature (6)
American literature and
World literature

American and World History (3)
U.S. History (if World History was selected for general education) or
Non-U.S. History (if American History was selected for general education)

Mathematics (9)

Natural Sciences (8/9)*
Biological science with lab and
Physical science with lab

Social sciences (6)
Geography and
One of economics, psychology, political science or sociology

Fine arts (3)
ART (if Music was selected for general education) or
MUS (if Art was selected for general education)

**Traditional undergraduate students take three four-credit science courses; College of Adult Undergraduate Studies students take four three-credit science courses.*

Professional Courses

EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252) Clinical Field Experience: Elementary (3)

EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction and Management (3)

EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303) Elementary Reading Materials (3)

EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307) Social Studies in the Elementary School (3) OR EDU-313 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-313)

EDU-309 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-309) Instruction in Reading (3)

EDU-310 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-310) Mathematics in the Elementary School (3)

EDU-312 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312) Science in the Elementary School (3) OR EDU-313 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-313)

EDU-313 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-313) Science and Social Studies in the Elementary School (3) OR EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307) & EDU-312

(https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312)

EDU-319 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-319) Human Development and Learning (3)

EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes and Acquisition of Reading (3)

EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective (3)

EDU-411 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-411) Internship: Teaching in the Elementary School (Internship teaching fee required.) (10 or 16)

EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) Assessment of Reading (3)

SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher (3)

Transportation is required for methods labs, field experiences and internships.

Certification in English for Speakers of Other Languages (ESOL)

Traditional Undergraduate students in Elementary and Secondary Education Programs of Study who also wish to earn Certification in ESOL complete the following additional courses:

Courses

EDU-253 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-253) Clinical Field Experience: ESOL (3)

EDU-308 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-308) Issues in ESOL (3)

EDU-346 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-346) Methods and Materials ESOL (3)

EDU-347 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-347) Assessing Second Language (3)

EDU-360 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-360) Techniques of Teaching Reading and Writing to Students with Limited English Proficiency (3)

EDU-409 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-409) Internship: Teaching ESOL K-12 (16)

EDU-440 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-440) English Grammar for ESOL Teachers (3)

The following additional professional preparation courses also are required:

EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction (3)

EDU-319 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-319) Human Development and Learning (3)

EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes/Acquisition of Reading (3)

EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective (3)

SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher (3)

Courses

EDU-252 Clinical Field Experience: Elementary

Offers a direct instructional field experience in an assigned area elementary public school for three weeks, all day. Includes instruction in school organization, curriculum, characteristics and diverse needs of children, and issues in teaching and learning. Classroom observation and participation seminars. [3 credits]

EDU-253 Clinical Field Experience: ESOL

Provides opportunities for supervised classroom observation and participation in ESOL in a Baltimore area school. Assigned by the education department in cooperation with the local school systems. Three-week session, full school days. (Offered in Winterim.) [3 credits]

EDU-300 Technology for Instruction & Management

Provides prospective classroom teacher swith opportunities for planning, designing and producing projects that support the instructional needs of students in grades K-12, including best practices for the integration of technology into curriculum with state and national technology standards. Students complete a variety of projects to develop skills in word processing, Web page development, computer presentations and other technolgies. For education majors only. [3 credits]

EDU-303 Elementary School Reading Materials

Assists participants in selecting and evaluating materials for teaching reading and developing related skills that are consistent with the findings of scientifically based reading research. Strengthens understanding of research-supported programs, approaches and methods to address different levels of reading proficiency within the classroom and thereby

enable all students (G&T, ELL, Special Needs, etc) to become strategic, fluent and independent readers. Participants will use a variety of texts and other materials to promote independent reading. Participants will be prepared to involve parents and members of the school and community to promote daily reading inside and outside of school. Throughout the course, participants will apply key concepts to various group and individual tasks and projects, including discussions and simulations. NOTE: Students cannot receive credit for both EDU-103 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-103) and EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303). [3 credits]

EDU-307 Social Studies in the Elementary School

Provides a conceptual and analytical approach to teaching and learning social studies in the elementary school. Emphasis on integration of content and process through use of experimental, activity and inquiry approaches to meet the needs of diverse learners. Includes information related to selecting instructional resources, developing curriculum materials and integrating concepts, skills and values. Requires construction of learning materials and peer teaching. [4 credits]

EDU-308 Issues in ESOL

Introduces students to the field of TESOL by providing an overview of instructional programs and approaches for teaching English as a second language to students from K-12 to postsecondary levels. The course includes bilingualism, legal and political trends as they pertain to ESL students in various educational settings, and the impact of state and national initiatives, such as the Common Core State Standards and ESSA, on ESL students and TESOL. [3 credits]

EDU-309 Instruction in Reading

Increases the participant's familiarity with a representative array of research-based instructional techniques and strategies in reading. Participants will learn age-appropriate instructional routines and strategies in the five major components of reading instruction (phonological and phonemic awareness; phonics, spelling and word study; fluency development; vocabulary; and comprehension). Throughout the course candidates will demonstrate their knowledge of the instructional routines and strategies by role-play, live demonstration, critiquing models, using the Common Core Reading Standards and reviewing the research in support of those approaches. [3 credits]

EDU-310 Mathematics in the Elementary School

Integrates mathematical concepts with the methods employed to teach mathematics in the elementary school. Emphasis on National Council of Teachers of Mathematics (NCTM) Standards and implementation of the Common Core Mathematics standards in instruction.



Focus on a hands-on approach using manipulatives. Includes preparation of lesson plans and microteaching experiences. [4 credits]

EDU-312 Science in the Elementary School

Integration of basic concepts of physical, life, earth and space sciences. Emphasis on discovery of concepts through demonstrations and investigations. Addresses the three domains of
science education: knowledge, skills and attitudes. Attention given to National Standards, the Common Core Science Standards and the use of indicators in planning, instruction and assessing. Includes preparation of a science unit and microteaching experience. Permission required. [4 credits]

EDU-346 Methods and Materials for ESOL

Familiarizes students with methods and materials available to the ESOL teacher. Analyzes a wide variety of methods, with emphasis on currently accepted methodology. Different kinds of materials are examined in detail, including authentic materials and the Internet. Students will develop techniques for effectively teaching the four language skill areas in well-designed courses while also adapting standards-based content to the needs of ESOL students. [3 credits]

EDU-347 Assessing Second Language Acquisition

Introduces the student to various assessment techniques that are used in ESOL teaching. Examines traditional testing techniques, along with more recently developed alternative (authentic) methods for assessing second language learning, focusing on the four language skills: reading, writing, listening and speaking. Communicative competence in general will be stressed. n addition, we will critically evaluate the ESOL assessment methods used for placement purposes by various local public school systems as well as placement tests used for adult and higher education. [3 credits]

EDU-357 Procurement & Acquisition of Reading

Assists pre-service and in-service teachers in understanding the reading acquisition process through observation and analysis of reading and written language development. The course is organized around current, accepted, research-based theoretical models that account for individual differences in reading. Introduction to language structure including spoken syllables, phonemes, graphemes and morphemes is included. Using current research-based strategies, participants will apply knowledge of the core areas of language to reading acquisition in terms of first and second language acquisition, typical development, gifted and talented and other exceptionalities. Throughout the course, candidates will demonstrate their knowledge of concepts and skills through a variety of tasks such as assessing their ability to identify linguistic units, observations of students and analysis of student work, and

presentations of research summaries. NOTE: Students cannot receive credit for both EDU-207 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-207) and EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357). [3 credits]

EDU-360 Techniques of Teaching Reading and Writing to Students With Limited English Proficiency

Addresses the development of reading and writing from a cognitive perspective. Students will become familiar with the approaches, methods and techniques appropriate for the teaching of reading and writing to English Language Learners. Special topics such as the integrated skills curriculum, language-specific rhetorical styles and free voluntary reading will also be discussed. Students will evaluate and design appropriate classroom materials. [3 credits]

EDU-402 American Education in Historical Perspective

Surveys major developments in the history of American education from colonial times to the present. Examines influential persons, ideas and institutions in the context of American society. Education and public policy, legal issues, priorities and innovations in American education reviewed from a critical perspective. [3 credits]

EDU-409 Internship:Teaching ESOL K-12

Develops intensive opportunities for full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools. Permission required. Teaching internship fee required. [16 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-411 Internship: Teaching in the Elementary School

Provides full-time observation and supervised internship experiences in diverse Baltimore area professional development schools. Seminars on various topics in education such as analysis of teaching in elementary schools, school and family relationships, and interviewing and employment practices. Permission required. Teaching internship fee required. [5-11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-440 English Grammar for ESOL Teachers

Analyzes the grammar of American English in detail, with an emphasis on those areas of English grammar that tend to present problems for ESOL/EFL students. Students will learn

how to teach grammar, including how to contextualize grammar instruction in thematic lessons. Included will be a discussion of how grammar instruction fits into current trends in language teaching. [3 credits]

SPE-326 Special Education for the Classroom Teacher

Includes brief history as well as legal foundations of current special education models and practices. Explores characteristics of students with disabilities as well as at-risk populations in general education. Addresses the responsibilities of educators, exploring generic strategies for programming for special needs students in the general education classroom, including the Common Core Standards. Required for all Maryland teachers. [3 credits]

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Elementary and Special Education, Liberal Studies

Department

Degrees offered Campuses

Elementary Education/Liberal Studies

The Elementary Education/Liberal Studies Major provides a balanced program of liberal arts courses in a variety of academic fields, a planned sequence of professional courses, and practical field experiences that culminate in an extended teaching internship experience. Completion of the program qualifies graduates for Maryland State Department Certification in Elementary Education.

Each student works closely with an academic advisor to ensure that the student obtains all the credits needed for the degree, as well as the requirements of the State Department of Education for Certification in Elementary Education.

For students in CAUS, the practical field experiences, including the teaching internship, are the only parts of the Program of Study offered during the day. These must be taken during the academic year when elementary schools are in session.

Elementary Education with Dual Certification in Special Education

Required Courses

The following courses are available to the student seeking to meet the course requirements for Maryland Certification in Special Education in addition to Certification through the approved program in Elementary Education. The student interested in pursuing this option is advised to begin coursework in the first year and to follow carefully the sequence outlined by the advisor. Students working toward dual certification will use special education courses in place of electives. They will take the Liberal Studies and Elementary Education courses listed previously and an additional 24 courses in Special Education. The student teaching experience can be accomplished during the same semester as the Elementary Education student teaching. More than 120 credits are needed to graduate with dual certification.

Degree candidates must complete the general education classes listed in Engage and Empower as well as liberal arts requirement designated by MSDE.

Required Courses for a Major in Elementary Education/Liberal Studies

EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252) Clinical Field Experience: Elementary (3)

EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction and Management (3)

EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303) Elementary Reading Materials (3)

EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307) Social Studies in the Elementary School (3) OR EDU-313 (https://catalog.ndm.edu/courses/list/index.php?

dept=EDU#EDU-313)

EDU-309 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-309) Instruction in Reading (3)

EDU-310 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-310) Mathematics in the Elementary School (3)

EDU-312 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312) Science in the Elementary School (3) OR EDU-313 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-313)

EDU-313 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-313) Science and Social Studies in the Elementary School (3) OR EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307) & EDU-312 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312)

EDU-319 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-319) Human Development and Learning (3)

EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes and Acquisition of Reading (3)

EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective (3)

EDU-411 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-411) Internship: Teaching in the Elementary School (Internship teaching fee required.) (10 or 16)

EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) Assessment of Reading (3)

SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher (3)

Transportation is required for methods labs, field experiences and internships.

Professional Courses

SPE-321 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-321) Methods of Teaching Students with Special Needs (3)

SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337) Communication Skills for the Special Educator (3)

SPE-344 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-344) Assessment in Special Education (3)

SPE-373 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-373) Field Experience in Special Education (3) OR EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252) if fual certifying in Elementary Education

SPE-421 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-421) Elementary Curriculum Design and Adaptation (3)

SPE-422 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-422) Secondary

Curriculum Design and Adaptation (for students seeking secondary certification only) (3)
SPE-475 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-475) Student Teaching in Special Education (Student teaching fee required) (6)

Transportation is required for method labs, field experiences and internships.

Liberal Arts courses in the Major are exclusive of those required for General Education

Literature (6)
American literature
World literature
History (3)
U.S. History (if World History was selected for general education) or Non-U.S. History (if American History was selected for general education)
Mathematics (9)
Natural Sciences (8/9)*
Biological science with lab
Physical science with lab
Social sciences (6)
Geography
Economics, Psychology, Political Science OR Sociology
Fine arts (3)
Art (if Music was selected for general education) OR Music (if Art was selected for general education)

**Traditional undergraduate students take three four-credit science courses; College of Adult Undergraduate Studies students take four three-credit science courses.*

Courses

EDU-252 Clinical Field Experience: Elementary

Offers a direct instructional field experience in an assigned area elementary public school for three weeks, all day. Includes instruction in school organization, curriculum, characteristics and diverse needs of children, and issues in teaching and learning. Classroom observation and participation seminars. [3 credits]

EDU-300 Technology for Instruction & Management

Provides prospective classroom teacher swith opportunities for planning, designing and producing projects that support the instructional needs of students in grades K-12, including best practices for the integration of technology into curriculum with state and national technology standards. Students complete a variety of projects to develop skills in word processing, Web page development, computer presentations and other technolgies. For education majors only. [3 credits]

EDU-303 Elementary School Reading Materials

Assists participants in selecting and evaluating materials for teaching reading and developing related skills that are consistent with the findings of scientifically based reading research. Strengthens understanding of research-supported programs, approaches and methods to address different levels of reading proficiency within the classroom and thereby enable all students (G&T, ELL, Special Needs, etc) to become strategic, fluent and independent readers. Participants will use a variety of texts and other materials to promote independent reading. Participants will be prepared to involve parents and members of the school and community to promote daily reading inside and outside of school. Throughout the course, participants will apply key concepts to various group and individual tasks and projects, including discussions and simulations. NOTE: Students cannot receive credit for both EDU-103 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-103) and EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303). [3 credits]

EDU-307 Social Studies in the Elementary School

Provides a conceptual and analytical approach to teaching and learning social studies in the elementary school. Emphasis on integration of content and process through use of experimental, activity and inquiry approaches to meet the needs of diverse learners. Includes information related to selecting instructional resources, developing curriculum materials and integrating concepts, skills and values. Requires construction of learning materials and peer teaching. [4 credits]

EDU-309 Instruction in Reading

Increases the participant's familiarity with a representative array of research-based instructional techniques and strategies in reading. Participants will learn age-appropriate instructional routines and strategies in the five major components of reading instruction (phonological and phonemic awareness; phonics, spelling and word study; fluency development; vocabulary; and comprehension). Throughout the course candidates will demonstrate their knowledge of the instructional routines and strategies by role-play, live demonstration, critiquing models, using the Common Core Reading Standards and reviewing the research in support of those approaches. [3 credits]

EDU-310 Mathematics in the Elementary School

Integrates mathematical concepts with the methods employed to teach mathematics in the elementary school. Emphasis on National Council of Teachers of Mathematics (NCTM) Standards and implementation of the Common Core Mathematics standards in instruction. Focus on a hands-on approach using manipulatives. Includes preparation of lesson plans and microteaching experiences. [4 credits]

EDU-312 Science in the Elementary School

Integration of basic concepts of physical, life, earth and space sciences. Emphasis on discovery of concepts through demonstrations and investigations. Addresses the three domains of science education: knowledge, skills and attitudes. Attention given to National Standards, the Common Core Science Standards and the use of indicators in planning, instruction and assessing. Includes preparation of a science unit and microteaching experience. Permission required. [4 credits]

EDU-315 Curriculum/Methods and Materials For the Young Child

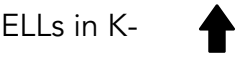
Presents curriculum, methods and materials for early childhood programs, preschool through primary grades. Family and community involvement strategies. Instruction in planning, implementation and assessment of interdisciplinary activities to stimulate cognitive, linguistic, social and motor development to meet the diverse needs of learners. [4 credits]

EDU-319 Human Development and Learning

Explores selected aspects of human development related to learning and instruction. Major psychological concepts and learning theories will be examined and applied to the context of eduction. Emphasis will be placed on understanding cognitive and affective domains of development as well as behavior management, motivation, individual differences in learning and instructional practices. Includes reflection, classroom activities, educational philosophy and classroom instruction. [3 credits]

EDU-338 English Language Learners for the Classroom Teacher

Equips mainstream classroom teachers with the knowledge and skills required to address the linguistic needs of students whose language is one other than English. After reviewing recent demographic trends and legal mandates as they pertain to English Language Learners (ELLs) in public schools, this course analyzes factors that influence the challenges of ELLs in K-



12, including prior education, first language literacy skills, English proficiency, and cultural issues. Special emphasis will be placed on the linguistic demands of the K-12 curriculum and effective pedagogical approaches for ELLs. [3 credits]

EDU-357 Procurement & Acquisition of Reading

Assists pre-service and in-service teachers in understanding the reading acquisition process through observation and analysis of reading and written language development. The course is organized around current, accepted, research-based theoretical models that account for individual differences in reading. Introduction to language structure including spoken syllables, phonemes, graphemes and morphemes is included. Using current research-based strategies, participants will apply knowledge of the core areas of language to reading acquisition in terms of first and second language acquisition, typical development, gifted and talented and other exceptionalities. Throughout the course, candidates will demonstrate their knowledge of concepts and skills through a variety of tasks such as assessing their ability to identify linguistic units, observations of students and analysis of student work, and presentations of research summaries. NOTE: Students cannot receive credit for both EDU-207 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-207) and EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357). [3 credits]

EDU-400 edTPA for Educators

This course is designed for education students going through their internship. It prepares them for the submission of the required national teaching portfolio. Students are mentored through the process by School of Education faculty mentors. [variable credit 1-3]

EDU-402 American Education in Historical Perspective

Surveys major developments in the history of American education from colonial times to the present. Examines influential persons, ideas and institutions in the context of American society. Education and public policy, legal issues, priorities and innovations in American education reviewed from a critical perspective. [3 credits]

EDU-411 Internship: Teaching in the Elementary School

Provides full-time observation and supervised internship experiences in diverse Baltimore area professional development schools. Seminars on various topics in education such as analysis of teaching in elementary schools, school and family relationships, and interviewing and employment practices. Permission required. Teaching internship fee required. [5-11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-460 Assessment of Reading

Provides students with a background in assessment and its relationship to instruction. Students will learn about the variety of assessments available to the classroom teacher in the areas of reading and writing and how to administer, score and interpret the results of these various assessments. Instructional decisions regarding the educational program of the child, and his/her diverse needs will also be examined. [3 credits] NOTE: Please refer to cohort schedule. Additional clas times may meet in previous semester.

SPE-321 Methods of Teaching Students With Special Needs

Provides the student with methods to facilitate the teaching of students with diverse learning needs. Course content includes cognitive processing, classroom management and organization strategies. Models of instructional delivery, adaptation of instructional materials, strategy instruction and means of assessing student progress are explored. Current trends and issues in special education are included as well. [3 credits]

SPE-326 Special Education for the Classroom Teacher

Includes brief history as well as legal foundations of current special education models and practices. Explores characteristics of students with disabilities as well as at-risk populations in general education. Addresses the responsibilities of educators, exploring generic strategies for programming for special needs students in the general education classroom, including the Common Core Standards. Required for all Maryland teachers. [3 credits]

SPE-337 Communication Skills for the Special Educator

Addresses human relations, communication and informal counseling skills and their critical role in meeting the diverse needs of students with disabilities. Explores role of the special educator as a member of an interdisciplinary team. Includes research on parent/teacher attitudes, roles and responsibilities. Presents models and techniques for effective interface with parents as well as other professionals encountered in the process of holistic programming. Additional topics include parent training, advocacy, multicultural considerations and accessing community services. [3 credits]

NOTE: Students cannot receive credit for both SPE-237 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-237) and SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337).

SPE-344 Assessment in Special Education

Introduces diagnostic processes used in special education. Includes student-conducted informal and formal assessments as well as analysis, interpretation and presentation of test results.

Covers prescriptive techniques and instructional planning as well as current trends in student assessment. Addresses P.L. 94-142, COMAR and other related legislation. [3 credits]

SPE-373 Field Experience in Special Education

Provides supervised classroom observation and participation in special education in a Baltimore area school. Assigned by the education department in cooperation with local school systems. Permission required. (Offered in Winterim.) [3 credits]

SPE-421 Elementary Curriculum Design and Adaptation

Applies principles for adapting curriculum to special needs students at the elementary level. Includes analysis of diagnostic and developmental factors, goal setting and IEP formulation. Explores instructional strategies, identification of materials and resources, and evaluation techniques as they relate to the basic content areas and the Common Core Standards. Prerequisites: SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326). Permission required. [2 credits]

SPE-475 Internship: Teaching in Special Education

Provides student with opportunities for full-time supervised teaching in a special education program in diverse Baltimore area schools. Permission required. Teaching internship fee required. [5 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

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Traditional Undergraduate

The School of Education offers full-time and part-time, four-year and five-year Programs of Study that integrate academic and professional studies and lead to Certification in Secondary Education, Certification in Secondary and Special Education, Certification in Elementary Education, Certification in Elementary and Special Education, or Certification in Elementary and Early Childhood Education. Each Program of Study requires the creation of an electronic portfolio throughout the course of study; it is to be completed with each course of study. An ePortfolio license fee is required.

All Programs of Study leading to a Bachelor of Arts in Education are designed to provide a balance among liberal arts courses in a variety of academic fields, a planned sequence of professional courses, and practical field experiences which may begin in the first year of college and culminate in an extended internship experience in the student's senior year. The School of Education may require a student to complete specific courses in addition to those listed as requirements. Each Program of Study aims to build competence through appropriate academic and professional course work, and to involve the student in practical classroom internship activities of steadily increasing responsibility. Internship placements are in professional development school environments through collaborative arrangements between Notre Dame and area school systems.

Graduates of the School of Education are educators in virtually every public school district throughout the State of Maryland, as well as in many private, independent and parochial schools. Not only do they ably serve Maryland's students, they are recognized as outstanding leaders. Many have been honored as "Teacher of the Year" in their respective districts; e.g, Anne Arundel County, Baltimore City, Baltimore County, Caroline County, Carroll County, Harford County, St. Mary's County.

Learn more

- BA/MA (/undergraduate-catalog/school-of-education/trad-college/bama-wc?menu=trad-und_1)
- BA/MAT (/undergraduate-catalog/school-of-education/trad-college/bamat-wc?menu=trad-und_1)
- Early Childhood Education (/undergraduate-catalog/school-of-education/trad-college/early-childhood-education-wc?menu=trad-und_1)
- Elementary Education (/undergraduate-catalog/school-of-education/trad-college/elementary-education-wc?menu=trad-und_1)
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- Secondary Education (/undergraduate-catalog/school-of-education/trad-college/secondary-education-wc?menu=trad-und_1)
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BA/MA

The School of Education offers full-time and part-time, four-year and five-year Programs of Study that integrate academic and professional studies and lead to Certification in Secondary Education, Certification in Secondary and Special Education, Certification in Elementary Education, Certification in Elementary and Special Education, or Certification in Elementary and Early Childhood Education. Each Program of Study requires the creation of an electronic portfolio throughout the course of study; it is to be completed with each course of study. An ePortfolio license fee is required.

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The School of Education offers the Bachelor of Arts in Elementary Education/Liberal Studies to traditional undergraduate students.

Listed below is the Course Matrix for traditional undergraduate Elementary and Secondary Education BA Degrees.

Course Matrix for Traditional Undergraduate Elementary Education BA Degrees

Required Professional Courses	**Bachelor of Arts Degrees** - Elementary Education**				
	Elem Education	Elem & Special Education	Elem & Early Childhood	Elem & TESOL	Elem, Special, and ECE
EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction and Management	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303) Elementary Reading Materials	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes & Acquisition of Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252) or EDU-253 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-253) or SPE-373 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-373) Clinical Field Experience	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)

EDU-319 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-319) Human Development and Learning	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-308 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-308) Issues in ESOL				(3 credit)	
EDU-309 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-309) Instruction in Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-310 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-310) Mathematics in the Elementary School	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-313 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-313) Science and Social Studies in the Elementary School OR EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307) & EDU-312 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-315 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-315) Curriculum Methods/Mat. for the Young Child			(3 credit)		(3 credit)
EDU-346 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-346) Methods and Materials ESOL				(3 credit)	

EDU-347 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-347) Assessing Second Language				(3 credit)	
EDU-360 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-360) Techniques of Teaching Reading & Writing to Students with Limited English Proficiency				(3 credit)	
EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-409 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-409) Internship: Teaching ESOL K-12				(6 credit)	
EDU-410 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-410) Internship: Teaching in Early Childhood Educ.			(6 credit)		
EDU-411 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-411) Internship: Teaching in the Elementary School	(16 credit)*	(10 credit)	(10 credit)	(10 credit)	(10 credit)
EDU-440 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-440) English Grammar for ESOL Teachers				(3 credit)	
EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) Assessment of Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)

EDU-400 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-400) edTPA for Eduation	(1 credit)	(2 credit)	(2 credit)	(2 credit)	(2 credit)
SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337) Communication Skills for the Special Educator		(3 credit)			(3 credit)
SPE-321 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-321) Methods of Teaching Students with Special Needs		(3 credit)			(3 credit)
SPE-344 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-344) Assessment in Special Education		(3 credit)			(3 credit)
SPE-421 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-421) Elementary Curriculum Design and Adaptation		(3 credit)			(3 credit)
SPE-475 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-475) Student Teaching in Special Education		(6 credit)			(6 credit)
TOTAL	45 credit	67 credit	58 credit	67 credit	70 credit

*16 credits for traditional undergraduate, 12 credits for CAUS

** Some programs may require coursework during the summer and/or winterim.

Course Matrix for Traditional Undergraduate Secondary Education BA Degrees

Required Professional Courses	**Bachelor of Arts Degrees* - Secondary Education**				
	Secondary Education	Secondary & Special Education	Secondary & TESOL		
EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction and Management	(3 credit)	(3 credit)	(3 credit)		
EDU-253 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-253) Clinical Field Experience: ESOL			(3 credit)		
EDU-319 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-319) Human Development and Learning	(3 credit)	(3 credit)	(3 credit)		
EDU-308 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-308) Issues in ESOL			(3 credit)		
EDU-344 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-344) Teaching Reading & Writing in the Secondary Schools Content Areas I	(3 credit)	(3 credit)	(3 credit)		

EDU-346 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-346) Methods and Materials ESOL			(3 credit)		
EDU-347 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-347) Assessing Second Language			(3 credit)		
EDU-360 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-360) Techniques of Teaching Reading & Writing to Students with Limited English Proficiency			(3 credit)		
EDU-376 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-376) Clinical Field Experience Secondary	(3 credit)	(3 credit)	(3 credit)		
EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective	(3 credit)	(3 credit)	(3 credit)		
EDU-409 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-409) Internship: Teaching ESOL K-12			(6 credit)		
EDU-430 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-430) EDU-439 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-439) Methods of Teaching in the content area	(3 credit)	(3 credit)	(3 credit)		
EDU-413 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-413) Student Teaching in Secondary School	(12 Credit)	(6 Credit)	(6 Credit)		

EDU-440 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-440) English Grammar for ESOL Teachers			(3 credit)		
EDU-451 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-451) Teaching Reading & Writing in the Secondary Schools Content Areas II	(3 credit)	(3 credit)	(3 credit)		
EDU-400 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-400) edTPA for Education					
SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher	(3 credit)	(3 credit)	(3 credit)		
SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337) Communication Skills for the Special Educator		(3 credit)			
SPE-321 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-321) Methods of Teaching Students with Special Needs		(3 credit)			
SPE-344 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-344) Assessment in Special Education		(3 credit)			
SPE-373 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-373) Field Experience in Special Education		(3 credit)			

SPE-475 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-475) Student Teaching in Special Education		(6 credit)			
TOTAL	42 credit	51 credit	57 credit		

* Some Programs may require coursework during the summer and/or winterim.

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BA/MAT

Notre Dame of Maryland University enables a full-time student to complete the Bachelor of Arts and Master of Arts in Teaching degrees and to fulfill state certification requirements within four or five years. For the Elementary Education option, students complete the Liberal Studies Major for their baccalaureate degree and the Master of Arts in Teaching in Elementary Education in the final year. (See Liberal Studies program listings for a description of the liberal arts Major.)

For the Secondary Education option, students complete a Major in an academic discipline for their bachelor's degree and the Master of Arts in Teaching in the final year.

If a student wishes to pursue the four-year B.A./M.A.T. option, she must meet with the advisor of the School of Education at the time of entrance or before beginning the second semester of the first year to plan her Program of Study appropriately. In the five-year option, the student meets with the chair in the second semester of the sophomore year.

Course Matrix for Traditional Undergraduate Elementary Education BA/MAT Degrees

Required Professional Courses	Bachelor of Arts Degrees - Elementary Education

***Notes -** Some 100, 200, 300, and 400 level classes may be taken as an undergraduate student	Elem. Educ.	Elem. & Special Educ.	Elem. & ECE	Elem. & TESOL	Elem, ECE, & Special	Elem, ECE, Special, & TESOL
EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) or EDU-556 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-556) Technology for Instruction and Management	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303) or EDU-510 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-510) Elementary Reading Materials	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) or EDU-509 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-509) Processes & Acquisition of Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-319 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-319) or EDU-519 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-519) Human Development and Learning	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-313 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-313) or EDU-513 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-513) Science and Social Studies in Elementary School	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)



EDU-308 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-308) or EDU-508 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-508) Issues in ESOL				(3 credit)		(3 credit)
EDU-309 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-309) or EDU-542 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-542) Instruction in Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-310 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-310) or EDU-592 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-592) Mathematics in the Elementary School	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-312 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312) Science in the Elementary School or EDU-313 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-313)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-315 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-315) Curriculum Methods/Mat. for the Young Child			(3 credit)			
EDU-346 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-346) or EDU-546 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-546) Methods and Materials ESOL				(3 credit)		(3 credit)

EDU-347 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-347) or EDU-547 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-547) Assessing Second Language				(3 credit)		(3 credit)
EDU-360 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-360) or EDU-586 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-586) Techniques of Teaching Reading & Writing to Students with Limited English Proficiency				(3 credit)		(3 credit)
EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-440 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-440) or EDU-596 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-596) English Grammar for ESOL Teachers				(3 credit)		(3 credit)
EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) or EDU-511 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-511) Assessment of Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-602 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-602) Internship in the Elementary School	(6 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)

EDU-603 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-603) Internship in Early Childhood Education			(3 credit)			
EDU-604 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-604) Analytic/Reflection/Research Seminar	(3 credit)	(3 credit)	(3 credit)		(3 credit)	(3 credit)
EDU-611 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-611) Internship in TESOL Education				(3 credit)		(3 credit)
EDU-400 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-400) or EDU-600 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-600) edTAP for Education						
SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) or SPE-526 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-526) Special Education for the Classroom Teacher	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337) or SPE-576 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-576) Communication Skills for the Special Educator		(3 credit)			(3 credit)	(3 credit)

SPE-321 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-321) or SPE-546 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-546) Methods of Teaching Students with Special Needs		(3 credit)			(3 credit)	(3 credit)
SPE-344 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-344) or SPE-544 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-544) Assessment in Special Education		(3 credit)			(3 credit)	(3 credit)
SPE-421 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-421) or SPE-570 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-570) Elementary Curriculum Design and Adaptation		(3 credit)			(3 credit)	(3 credit)
SPE-475 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-475) or SPE-601 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-601) Internship in Special Education		(3 credit)			(3 credit)	(3 credit)
TOTAL	45 credit	57 credit	48 credit	57 credit	57 credit	75 credit

ECE = Early Childhood Education TESOL = Teachers of English for Speakers of Other Languages

Some Programs of Study may require coursework during the summer and/or winterim. These six certification pathways do not cover the full range of possibilities.

Courses

EDU-252 Clinical Field Experience: Elementary

Offers a direct instructional field experience in an assigned area elementary public school for three weeks, all day. Includes instruction in school organization, curriculum, characteristics and diverse needs of children, and issues in teaching and learning. Classroom observation and participation seminars. [3 credits]

EDU-253 Clinical Field Experience: ESOL

Provides opportunities for supervised classroom observation and participation in ESOL in a Baltimore area school. Assigned by the education department in cooperation with the local school systems. Three-week session, full school days. (Offered in Winterim.) [3 credits]

EDU-300 Technology for Instruction & Management

Provides prospective classroom teacher swith opportunities for planning, designing and producing projects that support the instructional needs of students in grades K-12, including best practices for the integration of technology into curriculum with state and national technology standards. Students complete a variety of projects to develop skills in word processing, Web page development, computer presentations and other technolgies. For education majors only. [3 credits]

EDU-301 Educational Psychology

Examines stages of the cognitive, affective and physical domains of student development. Includes analysis and discussion of basic theories of learning and teaching and their applications to classroom situations including diversity and individual differences as factors influencing student learning (including socioeconomic diversity, cultural diversity and the needs of special education students, gifted and talented education and English Language Learners), motivation and classroom management. Assessment issues including formal and informal assessment, norm referenced and criterion referenced testing, and the implications of assessment measures (such as the Maryland Common Core Curriculum Standards) for learning and teaching are also examined. Includes student-centered approaches to learning (including service-learning activities). Recommended prerequisite: PSY-203 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-203). [3 credits]

EDU-303 Elementary School Reading Materials

Assists participants in selecting and evaluating materials for teaching reading and developing related skills that are consistent with the findings of scientifically based reading research. Strengthens understanding of research-supported programs, approaches and methods to address different levels of reading proficiency within the classroom and thereby enable all students (G&T, ELL, Special Needs, etc) to become strategic, fluent and independent readers. Participants will use a variety of texts and other materials to promote independent reading. Participants will be prepared to involve parents and members of the school and community to promote daily reading inside and outside of school. Throughout the course, participants will apply key concepts to various group and individual tasks and projects, including discussions and simulations. NOTE: Students cannot receive credit for both EDU-

103 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-103) and EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303). [3 credits]

EDU-307 Social Studies in the Elementary School

Provides a conceptual and analytical approach to teaching and learning social studies in the elementary school. Emphasis on integration of content and process through use of experimental, activity and inquiry approaches to meet the needs of diverse learners. Includes information related to selecting instructional resources, developing curriculum materials and integrating concepts, skills and values. Requires construction of learning materials and peer teaching. [4 credits]

EDU-308 Issues in ESOL

Introduces students to the field of TESOL by providing an overview of instructional programs and approaches for teaching English as a second language to students from K-12 to postsecondary levels. The course includes bilingualism, legal and political trends as they pertain to ESL students in various educational settings, and the impact of state and national initiatives, such as the Common Core State Standards and ESSA, on ESL students and TESOL. [3 credits]

EDU-309 Instruction in Reading

Increases the participant's familiarity with a representative array of research-based instructional techniques and strategies in reading. Participants will learn age-appropriate instructional routines and strategies in the five major components of reading instruction (phonological and phonemic awareness; phonics, spelling and word study; fluency development; vocabulary; and comprehension). Throughout the course candidates will demonstrate their knowledge of the instructional routines and strategies by role-play, live demonstration, critiquing models, using the Common Core Reading Standards and reviewing the research in support of those approaches. [3 credits]

EDU-310 Mathematics in the Elementary School

Integrates mathematical concepts with the methods employed to teach mathematics in the elementary school. Emphasis on National Council of Teachers of Mathematics (NCTM) Standards and implementation of the Common Core Mathematics standards in instruction. Focus on a hands-on approach using manipulatives. Includes preparation of lesson plans and microteaching experiences. [4 credits]

EDU-312 Science in the Elementary School

Integration of basic concepts of physical, life, earth and space sciences. Emphasis on discovery of concepts through demonstrations and investigations. Addresses the three domains of science education: knowledge, skills and attitudes. Attention given to National Standards, the Common Core Science Standards and the use of indicators in planning, instruction and assessing. Includes preparation of a science unit and microteaching experience. Permission required. [4 credits]

EDU-313 Science and Social Studies in the Elementary School

Emphasizes integration of content and process through demonstration, investigative and inquiry approaches. Addresses the three domains of knowledge, skills and attitudes. Attention is given to recent trends, national and state standards, and the use of indicators in planning instruction and assessing. Includes preparation of instructional units and microteaching experience. [3 credits]

EDU-315 Curriculum/Methods and Materials For the Young Child

Presents curriculum, methods and materials for early childhood programs, preschool through primary grades. Family and community involvement strategies. Instruction in planning, implementation and assessment of interdisciplinary activities to stimulate cognitive, linguistic, social and motor development to meet the diverse needs of learners. [4 credits]

EDU-344 Teaching Reading and Writing in the Secondary School Content Areas I

Studies principles and techniques in teaching interactive reading and writing in secondary school content areas: vocabulary and skill development; pre-reading, reading and post-reading strategies. Techniques for assessing student literacy levels and readability levels of texts. Strategies for individualizing instruction to address the unique needs of diverse learners; e.g., gifted and talented, second language learners, students with special needs, etc. Includes classroom observation and participation in Baltimore area secondary schools. Preparation of lesson plans and peer teaching. [3 credits]

EDU-346 Methods and Materials for ESOL

Familiarizes students with methods and materials available to the ESOL teacher. Analyzes a wide variety of methods, with emphasis on currently accepted methodology. Different kinds of materials are examined in detail, including authentic materials and the Internet. Students will develop techniques for effectively teaching the four language skill areas in well-designed courses while also adapting standards-based content to the needs of ESOL students. [3 credits]

EDU-347 Assessing Second Language Acquisition

Introduces the student to various assessment techniques that are used in ESOL teaching. Examines traditional testing techniques, along with more recently developed alternative (authentic) methods for assessing second language learning, focusing on the four language skills: reading, writing, listening and speaking. Communicative competence in general will be stressed. n addition, we will critically evaluate the ESOL assessment methods used for placement purposes by various local public school systems as well as placement tests used for adult and higher education. [3 credits]

EDU-357 Procurement & Acquisition of Reading

Assists pre-service and in-service teachers in understanding the reading acquisition process through observation and analysis of reading and written language development. The course is organized around current, accepted, research-based theoretical models that account for individual differences in



reading. Introduction to language structure including spoken syllables, phonemes, graphemes and morphemes is included. Using current research-based strategies, participants will apply knowledge of the core areas of language to reading acquisition in terms of first and second language acquisition, typical development, gifted and talented and other exceptionalities. Throughout the course, candidates will demonstrate their knowledge of concepts and skills through a variety of tasks such as assessing their ability to identify linguistic units, observations of students and analysis of student work, and presentations of research summaries. NOTE: Students cannot receive credit for both EDU-207 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-207) and EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357). [3 credits]

EDU-360 Techniques of Teaching Reading and Writing to Students With Limited English Proficiency

Addresses the development of reading and writing from a cognitive perspective. Students will become familiar with the approaches, methods and techniques appropriate for the teaching of reading and writing to English Language Learners. Special topics such as the integrated skills curriculum, language-specific rhetorical styles and free voluntary reading will also be discussed. Students will evaluate and design appropriate classroom materials. [3 credits]

EDU-373 Field Exp in Spec Ed

Provides supervised classroom observation and participation in special education in diverse Baltimore area schools. Assigned by the School of Education in cooperation with local school systems. Permission required. [3 credits]

EDU-376 Clinical Field Experience: Secondary

Provides direct instructional field experience in an assigned Baltimore area public middle school for three weeks, all day. Includes instruction in middle school organization and curriculum, characteristics and diverse needs of middle school children, and issues in teaching and learning. Classroom observation and participation. Weekly seminars. Permission required. Three-week session, full school days. [3 credits]

EDU-402 American Education in Historical Perspective

Surveys major developments in the history of American education from colonial times to the present. Examines influential persons, ideas and institutions in the context of American society. Education and public policy, legal issues, priorities and innovations in American education reviewed from a critical perspective. [3 credits]

EDU-409 Internship:Teaching ESOL K-12

Develops intensive opportunities for full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools. Permission required. Teaching internship fee required. [16 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-410 Internship: Teaching in Early Childhood Education

Incorporates full-time observation and supervised student teaching required. Internship fee required. [variable credits: 2-5 credits]

NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department. Students preparing for dual certification neroll in designated alternative sections of appropriate internships for 105 credits each. Consult program advisor before registering.

EDU-411 Internship: Teaching in the Elementary School

Provides full-time observation and supervised internship experiences in diverse Baltimore area professional development schools. Seminars on various topics in education such as analysis of teaching in elementary schools, school and family relationships, and interviewing and employment practices. Permission required. Teaching internship fee required. [5-11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-413 Internship:Teaching in the Secondary School

Incorporates full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools during the fall semester only. Permission required. Teaching internship fee required. [11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-420 Dim Curric/Inst Sec Sch

Examines aims, organization and administration of American secondary schools. Principles of curriculum organization and design for middle and senior high schools. Curriculum development in school systems, in specific schools, and in academic disciplines. Multicultural and gender issues are considered. Class is interrelated with methods courses in study and application of principles of teaching-learning, used of technology for instruction, analysis of teaching, assessment of classroom management. [3 credits]

EDU-429 Meth Bus Ed/Sec Sch

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]



EDU-430 Art N-12

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-431 English in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-432 Modern Foreign Language in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-433 Mathematics in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-437 Science in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching

the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-439 Social Studies in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-440 English Grammar for ESOL Teachers

Analyzes the grammar of American English in detail, with an emphasis on those areas of English grammar that tend to present problems for ESOL/EFL students. Students will learn how to teach grammar, including how to contextualize grammar instruction in thematic lessons. Included will be a discussion of how grammar instruction fits into current trends in language teaching. [3 credits]

EDU-451 Teaching Reading and Writing in the Content Areas II

Examines methods, purposes and criteria used in diagnosing strengths and weaknesses of students with a range of reading abilities; e.g., special needs, gifted and talented, ESOL. Focus is on authentic formal and informal assessment of individual secondary school students and application of test results in various secondary curriculum content areas. Includes an applied, school-based assessment experience. [3 credits]

EDU-460 Assessment of Reading

Provides students with a background in assessment and its relationship to instruction. Students will learn about the variety of assessments available to the classroom teacher in the areas of reading and writing and how to administer, score and interpret the results of these various assessments. Instructional decisions regarding the educational program of the child, and his/her diverse needs will also be examined. [3 credits] NOTE: Please refer to cohort schedule. Additional clas times may meet in previous semester.

EDU-491 Topics in Education

SPE-321 Methods of Teaching Students With Special Needs

Provides the student with methods to facilitate the teaching of students with diverse learning needs. Course content includes cognitive processing, classroom management and organization strategies.

Models of instructional delivery, adaptation of instructional materials, strategy instruction and means of assessing student progress are explored. Current trends and issues in special education are included as well. [3 credits]

SPE-326 Special Education for the Classroom Teacher

Includes brief history as well as legal foundations of current special education models and practices. Explores characteristics of students with disabilities as well as at-risk populations in general education. Addresses the responsibilities of educators, exploring generic strategies for programming for special needs students in the general education classroom, including the Common Core Standards. Required for all Maryland teachers. [3 credits]

SPE-337 Communication Skills for the Special Educator

Addresses human relations, communication and informal counseling skills and their critical role in meeting the diverse needs of students with disabilities. Explores role of the special educator as a member of an interdisciplinary team. Includes research on parent/teacher attitudes, roles and responsibilities. Presents models and techniques for effective interface with parents as well as other professionals encountered in the process of holistic programming. Additional topics include parent training, advocacy, multicultural considerations and accessing community services. [3 credits]

NOTE: Students cannot receive credit for both SPE-237 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-237) and SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337).

SPE-344 Assessment in Special Education

Introduces diagnostic processes used in special education. Includes student-conducted informal and formal assessments as well as analysis, interpretation and presentation of test results. Covers prescriptive techniques and instructional planning as well as current trends in student assessment. Addresses P.L. 94-142, COMAR and other related legislation. [3 credits]

SPE-373 Field Experience in Special Education

Provides supervised classroom observation and participation in special education in a Baltimore area school. Assigned by the education department in cooperation with local school systems. Permission required. (Offered in Winterim.) [3 credits]

SPE-421 Elementary Curriculum Design and Adaptation

Applies principles for adapting curriculum to special needs students at the elementary level. Includes analysis of diagnostic and developmental factors, goal setting and IEP formulation. Explores instructional strategies, identification of materials and resources, and evaluation techniques as they relate to the basic content areas and the Common Core Standards. Prerequisites: SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326). Permission required. [2 credits]

SPE-475 Internship: Teaching in Special Education

Provides student with opportunities for full-time supervised teaching in a special education program in diverse Baltimore area schools. Permission required. Teaching internship fee required. [5 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

SPE-491 Top: Comm Skills for Spec Educ

This course is reserved for specialized topics and independent study. [3 credits]

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Early Childhood Education

The NDMU College of Adult Undergraduate Studies prepares interested students to become certified to teach children in pre-kindergarten through grade three. NDMU invites students to consider preparing for a career as an early childhood education teacher. Being a certified early childhood educator allows the professional to teach in a public or private school setting where they work with children who are in pre-kindergarten up to and including grade three. Teaching at this level requires close attention to the developmental needs of young children and how to appropriately support their learning process. As with any teaching assignment, the educator must be equipped to effectively plan lessons to engage these young learners in activities stimulating their fine and gross motor skills as well as their kinesthetic, auditory, and visual senses. Early Childhood Education Program of Study focuses on the academic, social, and cognitive skills that develop in children during their formative years.

Most early childhood educators work throughout the school day in a classroom setting with a single group of students for whom all content areas must be taught, i.e., English language arts, social studies, mathematics, and science instruction. Regardless of age and grade-level placement, NDMU will prepare all graduates to be highly qualified for any teaching situation by providing multiple opportunities for them to learn and teach in a variety of settings under

outstanding mentor teachers. In fact, NDMU is the only teacher preparation program in Maryland that affords students the opportunity to observe pre-school age children on its main campus in LeClerc Hall in a program called 'A Child's Place', a school for children age 3 through kindergarten.

Courses

EDU-252 Clinical Field Experience: Elementary

Offers a direct instructional field experience in an assigned area elementary public school for three weeks, all day. Includes instruction in school organization, curriculum, characteristics and diverse needs of children, and issues in teaching and learning. Classroom observation and participation seminars. [3 credits]

EDU-253 Clinical Field Experience: ESOL

Provides opportunities for supervised classroom observation and participation in ESOL in a Baltimore area school. Assigned by the education department in cooperation with the local school systems. Three-week session, full school days. (Offered in Winterim.) [3 credits]

EDU-300 Technology for Instruction & Management

Provides prospective classroom teacher swith opportunities for planning, designing and producing projects that support the instructional needs of students in grades K-12, including best practices for the integration of technology into curriculum with state and national technology standards. Students complete a variety of projects to develop skills in word processing, Web page development, computer presentations and other technolgies. For education majors only. [3 credits]

EDU-301 Educational Psychology

Examines stages of the cognitive, affective and physical domains of student development. Includes analysis and discussion of basic theories of learning and teaching and their applications to classroom situations including diversity and individual differences as factors influencing student learning (including socioeconomic diversity, cultural diversity and the needs of special education students, gifted and talented education and English Language Learners), motivation and classroom management. Assessment issues including formal and informal assessment, norm referenced and criterion referenced testing, and the implications of assessment measures (such as the Maryland Common Core Curriculum Standards) for learning and teaching are also examined. Includes student-centered approaches to learning (including service-learning activities). Recommended prerequisite: PSY-203 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-203). [3 credits]

EDU-303 Elementary School Reading Materials

Assists participants in selecting and evaluating materials for teaching reading and developing related skills that are consistent with the findings of scientifically based reading research. Strengthens understanding of research-supported programs, approaches and methods to address different levels of reading proficiency within the classroom and thereby enable all students (G&T, ELL, Special Needs, etc) to become strategic, fluent and independent readers. Participants will use a variety of texts and other materials to promote independent reading. Participants will be prepared to involve parents and members of the school and community to promote daily reading inside and outside of school. Throughout the course, participants will apply key concepts to various group and individual tasks and projects, including discussions and simulations. NOTE: Students cannot receive credit for both EDU-103 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-103) and EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303). [3 credits]

EDU-307 Social Studies in the Elementary School

Provides a conceptual and analytical approach to teaching and learning social studies in the elementary school. Emphasis on integration of content and process through use of experimental, activity and inquiry approaches to meet the needs of diverse learners. Includes information related to selecting instructional resources, developing curriculum materials and integrating concepts, skills and values. Requires construction of learning materials and peer teaching. [4 credits]

EDU-308 Issues in ESOL

Introduces students to the field of TESOL by providing an overview of instructional programs and approaches for teaching English as a second language to students from K-12 to postsecondary levels. The course includes bilingualism, legal and political trends as they pertain to ESL students in various educational settings, and the impact of state and national initiatives, such as the Common Core State Standards and ESSA, on ESL students and TESOL. [3 credits]

EDU-309 Instruction in Reading

Increases the participant's familiarity with a representative array of research-based instructional techniques and strategies in reading. Participants will learn age-appropriate instructional routines and strategies in the five major components of reading instruction (phonological and phonemic awareness; phonics, spelling and word study; fluency development; vocabulary; and comprehension). Throughout the course candidates will

demonstrate their knowledge of the instructional routines and strategies by role-play, live demonstration, critiquing models, using the Common Core Reading Standards and reviewing the research in support of those approaches. [3 credits]

EDU-310 Mathematics in the Elementary School

Integrates mathematical concepts with the methods employed to teach mathematics in the elementary school. Emphasis on National Council of Teachers of Mathematics (NCTM) Standards and implementation of the Common Core Mathematics standards in instruction. Focus on a hands-on approach using manipulatives. Includes preparation of lesson plans and microteaching experiences. [4 credits]

EDU-312 Science in the Elementary School

Integration of basic concepts of physical, life, earth and space sciences. Emphasis on discovery of concepts through demonstrations and investigations. Addresses the three domains of
science education: knowledge, skills and attitudes. Attention given to National Standards, the Common Core Science Standards and the use of indicators in planning, instruction and assessing. Includes preparation of a science unit and microteaching experience. Permission required. [4 credits]

EDU-313 Science and Social Studies in the Elementary School

Emphasizes integration of content and process through demonstration, investigative and inquiry approaches. Addresses the three domains of knowledge, skills and attitudes. Attention is given to recent trends, national and state standards, and the use of indicators in planning instruction and assessing. Includes preparation of instructional units and microteaching experience. [3 credits]

EDU-315 Curriculum/Methods and Materials For the Young Child

Presents curriculum, methods and materials for early childhood programs, preschool through primary grades. Family and community involvement strategies. Instruction in planning, implementation and assessment of interdisciplinary activities to
stimulate cognitive, linguistic, social and motor development to meet the diverse needs of learners. [4 credits]

EDU-344 Teaching Reading and Writing in the Secondary School Content Areas I

Studies principles and techniques in teaching interactive reading and writing in secondary school content areas: vocabulary and skill development; pre-reading, reading and post-reading strategies. Techniques for assessing student literacy levels and readability levels of texts. Strategies for individualizing instruction to address the unique needs of diverse learners; e.g., gifted and talented, second language learners, students with special needs, etc. Includes classroom observation and participation in Baltimore area secondary schools. Preparation of lesson plans and peer teaching. [3 credits]

EDU-346 Methods and Materials for ESOL

Familiarizes students with methods and materials available to the ESOL teacher. Analyzes a wide variety of methods, with emphasis on currently accepted methodology. Different kinds of materials are examined in detail, including authentic materials and the Internet. Students will develop techniques for effectively teaching the four language skill areas in well-designed courses while also adapting standards-based content to the needs of ESOL students. [3 credits]

EDU-347 Assessing Second Language Acquisition

Introduces the student to various assessment techniques that are used in ESOL teaching. Examines traditional testing techniques, along with more recently developed alternative (authentic) methods for assessing second language learning, focusing on the four language skills: reading, writing, listening and speaking. Communicative competence in general will be stressed. n addition, we will critically evaluate the ESOL assessment methods used for placement purposes by various local public school systems as well as placement tests used for adult and higher education. [3 credits]

EDU-357 Procurement & Acquisition of Reading

Assists pre-service and in-service teachers in understanding the reading acquisition process through observation and analysis of reading and written language development. The course is organized around current, accepted, research-based theoretical models that account for individual differences in reading. Introduction to language structure including spoken syllables, phonemes, graphemes and morphemes is included. Using current research-based strategies, participants will apply knowledge of the core areas of language to reading acquisition in terms of first and second language acquisition, typical development, gifted and talented and other exceptionalities. Throughout the course, candidates will demonstrate their knowledge of concepts and skills through a variety of tasks such as assessing their ability to identify linguistic units, observations of students and analysis of student work, and presentations of research summaries. NOTE: Students cannot receive credit for both EDU-

207 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-207) and EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357). [3 credits]

EDU-360 Techniques of Teaching Reading and Writing to Students With Limited English Proficiency

Addresses the development of reading and writing from a cognitive perspective. Students will become familiar with the approaches, methods and techniques appropriate for the teaching of reading and writing to English Language Learners. Special topics such as the integrated skills curriculum, language-specific rhetorical styles and free voluntary reading will also be discussed. Students will evaluate and design appropriate classroom materials. [3 credits]

EDU-373 Field Exp in Spec Ed

Provides supervised classroom observation and participation in special education in diverse Baltimore area schools. Assigned by the School of Education in cooperation with local school systems. Permission required. [3 credits]

EDU-376 Clinical Field Experience: Secondary

Provides direct instructional field experience in an assigned Baltimore area public middle school for three weeks, all day. Includes instruction in middle school organization and curriculum, characteristics and diverse needs of middle school children, and issues in teaching and learning. Classroom observation and participation. Weekly seminars. Permission required. Three-week session, full school days. [3 credits]

EDU-402 American Education in Historical Perspective

Surveys major developments in the history of American education from colonial times to the present. Examines influential persons, ideas and institutions in the context of American society. Education and public policy, legal issues, priorities and innovations in American education reviewed from a critical perspective. [3 credits]

EDU-409 Internship:Teaching ESOL K-12

Develops intensive opportunities for full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools. Permission required. Teaching internship fee required. [16 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-410 Internship: Teaching in Early Childhood Education

Incorporates full-time observation and supervised student teaching required. Internship fee required. [variable credits: 2-5 credits]

NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department. Students preparing for dual certification neroll in designated alternative sections of appropriate internships for 105 credits each. Consult program advisor before registering.

EDU-411 Internship: Teaching in the Elementary School

Provides full-time observation and supervised internship experiences in diverse Baltimore area professional development schools. Seminars on various topics in education such as analysis of teaching in elementary schools, school and family relationships, and interviewing and employment practices. Permission required. Teaching internship fee required. [5-11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-413 Internship:Teaching in the Secondary School

Incorporates full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools during the fall semester only. Permission required. Teaching internship fee required. [11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-420 Dim Curric/Inst Sec Sch

Examines aims, organization and administration of American secondary schools. Principles of curriculum organization and design for middle and senior high schools. Curriculum development in school systems, in specific schools, and in academic disciplines. Multicultural and gender issues are considered. Class is interrelated with methods courses in study and application of principles of teaching-learning, used of technology for instruction, analysis of teaching, assessment of classroom management. [3 credits]

EDU-429 Meth Bus Ed/Sec Sch

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in

the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-430 Art N-12

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-431 English in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-432 Modern Foreign Language in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-433 Mathematics in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-437 Science in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-439 Social Studies in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-440 English Grammar for ESOL Teachers

Analyzes the grammar of American English in detail, with an emphasis on those areas of English grammar that tend to present problems for ESOL/EFL students. Students will learn how to teach grammar, including how to contextualize grammar instruction in thematic lessons. Included will be a discussion of how grammar instruction fits into current trends in language teaching. [3 credits]



EDU-451 Teaching Reading and Writing in the Content Areas II

Examines methods, purposes and criteria used in diagnosing strengths and weaknesses of students with a range of reading abilities; e.g., special needs, gifted and talented, ESOL. Focus is on authentic formal and informal assessment of individual secondary school students and application of test results in various secondary curriculum content areas. Includes an applied, school-based assessment experience. [3 credits]

EDU-460 Assessment of Reading

Provides students with a background in assessment and its relationship to instruction. Students will learn about the variety of assessments available to the classroom teacher in the areas of reading and writing and how to administer, score and interpret the results of these various assessments. Instructional decisions regarding the educational program of the child, and his/her diverse needs will also be examined. [3 credits] NOTE: Please refer to cohort schedule. Additional clas times may meet in previous semester.

EDU-491 Topics in Education

SPE-321 Methods of Teaching Students With Special Needs

Provides the student with methods to facilitate the teaching of students with diverse learning needs. Course content includes cognitive processing, classroom management and organization strategies. Models of instructional delivery, adaptation of instructional materials, strategy instruction and means of assessing student progress are explored. Current trends and issues in special education are included as well. [3 credits]

SPE-326 Special Education for the Classroom Teacher

Includes brief history as well as legal foundations of current special education models and practices. Explores characteristics of students with disabilities as well as at-risk populations in general education. Addresses the responsibilities of educators, exploring generic strategies for programming for special needs students in the general education classroom, including the Common Core Standards. Required for all Maryland teachers. [3 credits]

SPE-337 Communication Skills for the Special Educator

Addresses human relations, communication and informal counseling skills and their critical role in meeting the diverse needs of students with disabilities. Explores role of the special educator as a member of an interdisciplinary team. Includes research on parent/teacher attitudes, roles and responsibilities. Presents models and techniques for effective interface

with parents as well as other professionals encountered in the process of holistic programming. Additional topics include parent training, advocacy, multicultural considerations and accessing community services. [3 credits]

NOTE: Students cannot receive credit for both SPE-237 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-237) and SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337).

SPE-344 Assessment in Special Education

Introduces diagnostic processes used in special education. Includes student-conducted informal and formal assessments as well as analysis, interpretation and presentation of test results.
Covers prescriptive techniques and instructional planning as well as current trends in student assessment. Addresses P.L. 94-142, COMAR and other related legislation. [3 credits]

SPE-373 Field Experience in Special Education

Provides supervised classroom observation and participation in special education in a Baltimore area school. Assigned by the education department in cooperation with local school systems. Permission required. (Offered in Winterim.) [3 credits]

SPE-421 Elementary Curriculum Design and Adaptation

Applies principles for adapting curriculum to special needs students at the elementary level. Includes analysis of diagnostic and developmental factors, goal setting and IEP formulation. Explores instructional strategies, identification of materials and resources, and evaluation techniques as they relate to the basic content areas and the Common Core Standards. Prerequisites: SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326). Permission required. [2 credits]

SPE-475 Internship: Teaching in Special Education

Provides student with opportunities for full-time supervised teaching in a special education program in diverse Baltimore area schools. Permission required. Teaching internship fee required. [5 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

SPE-491 Top: Comm Skills for Spec Educ

This course is reserved for specialized topics and independent study. [3 credits]

Elementary Education

The NDMU School of Education strives to prepare teacher candidates to respond to the supply and demand of the teacher education workforce and endeavors to prepare candidates who are highly skilled and equipped to teach children regardless of learning style, differentiated or special needs, and racial or socio-economic status. As such, candidates are encouraged to pursue certification in more than one content area or specialization; e.g, Certification in Biology and Special Education; or in English and TESOL; or in Elementary Education and Early Childhood Education. In some cases, candidates can even obtain three or four certifications (e.g, elementary, special education, early childhood education and/or TESOL).

Having more than one certification yields several benefits: 1) Most important of all, candidates are exposed to specific content and instructional strategies that may be unique to targeted individuals or groups of students (e.g, second language generation students whose parents speak only in their native language). 2) Candidates acquire a deeper, richer background in the vast variety of instructional strategies that one might employ, irrespective of the student's classification (e.g, a student in a Gifted and Talented class might respond just as readily to a 'reward and praise' technique as would a student with special needs). 3) Candidates find that, when seeking employment, they are more marketable because principals are afforded greater flexibility in assigning them to teaching positions that fit the needs of their school and student population (e.g, if given two equally qualified candidates from which to select, a principal is more likely to hire a candidate who has more than one certification, thereby giving them more flexibility to assign highly qualified teachers to classrooms based on that certification).

In essence, the teacher candidates enter the education profession with a larger and more diverse skill set of instructional strategies and content knowledge to better meet the needs of the school system, where employed, and the children whom they are entrusted to teach.

Pathways to obtain dual, triple, or even four certifications are outlined in the following tables, based on professional courses needed, content areas, programs and degrees.

Course Matrix for Traditional Undergraduate Elementary Education BA Degrees

Required Professional Courses	**Bachelor of Arts Degrees** - Elementary Education**				
	Elem Education	Elem & Special Education	Elem & Early Childhood	Elem & TESOL	Elem, Special, and ECE
EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction and Management	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303) Elementary Reading Materials	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes & Acquisition of Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252) or 253 or SPE 373 Clinical Field Experience	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-319 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-319) Human Development and Learning	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)

EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307) Social Studies in the Elementary School	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-308 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-308) Issues in ESOL				(3 credit)	
EDU-309 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-309) Instruction in Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-310 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-310) Mathematics in the Elementary School	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-312 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312) Science in the Elementary School	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-315 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-315) Curriculum Methods/Mat. for the Young Child			(3 credit)		(3 credit)
EDU-346 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-346) Methods and Materials ESOL				(3 credit)	
EDU-347 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-347) Assessing Second Language				(3 credit)	

EDU-360 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-360) Techniques of Teaching Reading & Writing to Students with Limited English Proficiency				(3 credit)	
EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-409 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-409) Internship: Teaching ESOL K-12				(6 credit)	
EDU-410 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-410) Internship: Teaching in Early Childhood Educ.			(6 credit)		
EDU-411 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-411) Internship: Teaching in the Elementary School	(16 credit)*	(10 credit)	(10 credit)	(10 credit)	(10 credit)
EDU-440 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-440) English Grammar for ESOL Teachers				(3 credit)	
EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) Assessment of Reading	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
EDU-400 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-400) edTPA for Education	(1 credit)	(2 credit)	(2 credit)	(2 credit)	(2 credit)

SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher	(3 credit)	(3 credit)	(3 credit)	(3 credit)	(3 credit)
SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337) Communication Skills for the Special Educator		(3 credit)			(3 credit)
SPE-321 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-321) Methods of Teaching Students with Special Needs		(3 credit)			(3 credit)
SPE-344 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-344) Assessment in Special Education		(3 credit)			(3 credit)
SPE-421 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-421) Elementary Curriculum Design and Adaptation		(3 credit)			(3 credit)
SPE-475 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-475) Student Teaching in Special Education		(6 credit)			(6 credit)
TOTAL	42 credit	64 credit	55 credit	64 credit	67 credit

*16 credits for traditional undergraduate, 12 credits for CAUS

** Some programs may require coursework during the summer and/or winterim.

Courses

EDU-252 Clinical Field Experience: Elementary

Offers a direct instructional field experience in an assigned area elementary public school for three weeks, all day. Includes instruction in school organization, curriculum, characteristics and diverse needs of children, and issues in teaching and learning. Classroom observation and participation seminars. [3 credits]

EDU-253 Clinical Field Experience: ESOL

Provides opportunities for supervised classroom observation and participation in ESOL in a Baltimore area school. Assigned by the education department in cooperation with the local school systems. Three-week session, full school days. (Offered in Winterim.) [3 credits]

EDU-300 Technology for Instruction & Management

Provides prospective classroom teacher swith opportunities for planning, designing and producing projects that support the instructional needs of students in grades K-12, including best practices for the integration of technology into curriculum with state and national technology standards. Students complete a variety of projects to develop skills in word processing, Web page development, computer presentations and other technolgies. For education majors only. [3 credits]

EDU-301 Educational Psychology

Examines stages of the cognitive, affective and physical domains of student development. Includes analysis and discussion of basic theories of learning and teaching and their applications to classroom situations including diversity and individual differences as factors influencing student learning (including socioeconomic diversity, cultural diversity and the needs of special education students, gifted and talented education and English Language Learners), motivation and classroom management. Assessment issues including formal and informal assessment, norm referenced and criterion referenced testing, and the implications of assessment measures (such as the Maryland Common Core Curriculum Standards) for learning and teaching are also examined. Includes student-centered approaches to learning (including service-learning activities). Recommended prerequisite: PSY-203 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-203). [3 credits]

EDU-303 Elementary School Reading Materials

Assists participants in selecting and evaluating materials for teaching reading and developing related skills that are consistent with the findings of scientifically based reading research. Strengthens understanding of research-supported programs, approaches and methods to address different levels of reading proficiency within the classroom and thereby enable all students (G&T, ELL, Special Needs, etc) to become strategic, fluent and independent readers. Participants will use a variety of texts and other materials to promote independent reading. Participants will be prepared to involve parents and members of the school and community to promote daily reading inside and outside of school. Throughout the course, participants will apply key concepts to various group and individual tasks and projects, including discussions and simulations. NOTE: Students cannot receive credit for

both EDU-103 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-103) and EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303). [3 credits]

EDU-307 Social Studies in the Elementary School

Provides a conceptual and analytical approach to teaching and learning social studies in the elementary school. Emphasis on integration of content and process through use of experimental, activity and inquiry approaches to meet the needs of diverse learners. Includes information related to selecting instructional resources, developing curriculum materials and integrating concepts, skills and values. Requires construction of learning materials and peer teaching. [4 credits]

EDU-308 Issues in ESOL

Introduces students to the field of TESOL by providing an overview of instructional programs and approaches for teaching English as a second language to students from K-12 to postsecondary levels. The course includes bilingualism, legal and political trends as they pertain to ESL students in various educational settings, and the impact of state and national initiatives, such as the Common Core State Standards and ESSA, on ESL students and TESOL. [3 credits]

EDU-309 Instruction in Reading

Increases the participant's familiarity with a representative array of research-based instructional techniques and strategies in reading. Participants will learn age-appropriate instructional routines and strategies in the five major components of reading instruction (phonological and phonemic awareness; phonics, spelling and word study; fluency development; vocabulary; and comprehension). Throughout the course candidates will demonstrate their knowledge of the instructional routines and strategies by role-play, live demonstration, critiquing models, using the Common Core Reading Standards and reviewing the research in support of those approaches. [3 credits]

EDU-310 Mathematics in the Elementary School

Integrates mathematical concepts with the methods employed to teach mathematics in the elementary school. Emphasis on National Council of Teachers of Mathematics (NCTM) Standards and implementation of the Common Core Mathematics standards in instruction. Focus on a hands-on approach using manipulatives. Includes preparation of lesson plans and microteaching experiences. [4 credits]

EDU-312 Science in the Elementary School

Integration of basic concepts of physical, life, earth and space sciences. Emphasis on discovery of concepts through demonstrations and investigations. Addresses the three domains of science education: knowledge, skills and attitudes. Attention given to National Standards, the Common Core Science Standards and the use of indicators in planning, instruction and assessing. Includes preparation of a science unit and microteaching experience. Permission required. [4 credits]

EDU-313 Science and Social Studies in the Elementary School

Emphasizes integration of content and process through demonstration, investigative and inquiry approaches. Addresses the three domains of knowledge, skills and attitudes. Attention is given to recent trends, national and state standards, and the use of indicators in planning instruction and assessing. Includes preparation of instructional units and microteaching experience. [3 credits]

EDU-315 Curriculum/Methods and Materials For the Young Child

Presents curriculum, methods and materials for early childhood programs, preschool through primary grades. Family and community involvement strategies. Instruction in planning, implementation and assessment of interdisciplinary activities to stimulate cognitive, linguistic, social and motor development to meet the diverse needs of learners. [4 credits]

EDU-344 Teaching Reading and Writing in the Secondary School Content Areas I

Studies principles and techniques in teaching interactive reading and writing in secondary school content areas: vocabulary and skill development; pre-reading, reading and post-reading strategies. Techniques for assessing student literacy levels and readability levels of texts. Strategies for individualizing instruction to address the unique needs of diverse learners; e.g., gifted and talented, second language learners, students with special needs, etc. Includes classroom observation and participation in Baltimore area secondary schools. Preparation of lesson plans and peer teaching. [3 credits]

EDU-346 Methods and Materials for ESOL

Familiarizes students with methods and materials available to the ESOL teacher. Analyzes a wide variety of methods, with emphasis on currently accepted methodology. Different kinds of materials are examined in detail, including authentic materials and the Internet. Students will develop techniques for effectively teaching the four language skill areas in well-designed courses while also adapting standards-based content to the needs of ESOL students. [3 credits]

EDU-347 Assessing Second Language Acquisition

Introduces the student to various assessment techniques that are used in ESOL teaching. Examines traditional testing techniques, along with more recently developed alternative (authentic) methods for assessing second language learning, focusing on the four language skills: reading, writing, listening and speaking. Communicative competence in general will be stressed. n addition, we will critically evaluate the ESOL assessment methods used for placement purposes by various local public school systems as well as placement tests used for adult and higher education. [3 credits]

EDU-357 Procurement & Acquisition of Reading

Assists pre-service and in-service teachers in understanding the reading acquisition process through observation and analysis of reading and written language development. The course is organized around current, accepted, research-based theoretical models that account for individual differences

in reading. Introduction to language structure including spoken syllables, phonemes, graphemes and morphemes is included. Using current research-based strategies, participants will apply knowledge of the core areas of language to reading acquisition in terms of first and second language acquisition, typical development, gifted and talented and other exceptionalities. Throughout the course, candidates will demonstrate their knowledge of concepts and skills through a variety of tasks such as assessing their ability to identify linguistic units, observations of students and analysis of student work, and presentations of research summaries. NOTE: Students cannot receive credit for both EDU-207 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-207) and EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357). [3 credits]

EDU-360 Techniques of Teaching Reading and Writing to Students With Limited English Proficiency

Addresses the development of reading and writing from a cognitive perspective. Students will become familiar with the approaches, methods and techniques appropriate for the teaching of reading and writing to English Language Learners. Special topics such as the integrated skills curriculum, language-specific rhetorical styles and free voluntary reading will also be discussed. Students will evaluate and design appropriate classroom materials. [3 credits]

EDU-373 Field Exp in Spec Ed

Provides supervised classroom observation and participation in special education in diverse Baltimore area schools. Assigned by the School of Education in cooperation with local school systems. Permission required. [3 credits]

EDU-376 Clinical Field Experience: Secondary

Provides direct instructional field experience in an assigned Baltimore area public middle school for three weeks, all day. Includes instruction in middle school organization and curriculum, characteristics and diverse needs of middle school children, and issues in teaching and learning. Classroom observation and participation. Weekly seminars. Permission required. Three-week session, full school days. [3 credits]

EDU-402 American Education in Historical Perspective

Surveys major developments in the history of American education from colonial times to the present. Examines influential persons, ideas and institutions in the context of American society. Education and public policy, legal issues, priorities and innovations in American education reviewed from a critical perspective. [3 credits]

EDU-409 Internship:Teaching ESOL K-12

Develops intensive opportunities for full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools. Permission required. Teaching internship fee required. [16 credits] NOTE: Student Teaching Internships may start earlier

than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-410 Internship: Teaching in Early Childhood Education

Incorporates full-time observation and supervised student teaching required. Internship fee required. [variable credits: 2-5 credits]

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EDU-411 Internship: Teaching in the Elementary School

Provides full-time observation and supervised internship experiences in diverse Baltimore area professional development schools. Seminars on various topics in education such as analysis of teaching in elementary schools, school and family relationships, and interviewing and employment practices. Permission required. Teaching internship fee required. [5-11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-413 Internship:Teaching in the Secondary School

Incorporates full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools during the fall semester only. Permission required. Teaching internship fee required. [11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-420 Dim Curric/Inst Sec Sch

Examines aims, organization and administration of American secondary schools. Principles of curriculum organization and design for middle and senior high schools. Curriculum development in school systems, in specific schools, and in academic disciplines. Multicultural and gender issues are considered. Class is interrelated with methods courses in study and application of principles of teaching-learning, used of technology for instruction, analysis of teaching, assessment of classroom management. [3 credits]

EDU-429 Meth Bus Ed/Sec Sch

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland

Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-430 Art N-12

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-431 English in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-432 Modern Foreign Language in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-433 Mathematics in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland

Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-437 Science in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-439 Social Studies in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-440 English Grammar for ESOL Teachers

Analyzes the grammar of American English in detail, with an emphasis on those areas of English grammar that tend to present problems for ESOL/EFL students. Students will learn how to teach grammar, including how to contextualize grammar instruction in thematic lessons. Included will be a discussion of how grammar instruction fits into current trends in language teaching. [3 credits]

EDU-451 Teaching Reading and Writing in the Content Areas II

Examines methods, purposes and criteria used in diagnosing strengths and weaknesses of students with a range of reading abilities; e.g., special needs, gifted and talented, ESOL. Focus is on authentic formal and informal assessment of individual secondary school students and application of test results in various secondary curriculum content areas. Includes an applied, school-based assessment experience. [3 credits]

EDU-460 Assessment of Reading

Provides students with a background in assessment and its relationship to instruction. Students will learn about the variety of assessments available to the classroom teacher in the areas of reading and



writing and how to administer, score and interpret the results of these various assessments. Instructional decisions regarding the educational program of the child, and his/her diverse needs will also be examined. [3 credits] NOTE: Please refer to cohort schedule. Additional clas times may meet in previous semester.

EDU-491 Topics in Education

SPE-321 Methods of Teaching Students With Special Needs

Provides the student with methods to facilitate the teaching of students with diverse learning needs. Course content includes cognitive processing, classroom management and organization strategies. Models of instructional delivery, adaptation of instructional materials, strategy instruction and means of assessing student progress are explored. Current trends and issues in special education are included as well. [3 credits]

SPE-326 Special Education for the Classroom Teacher

Includes brief history as well as legal foundations of current special education models and practices. Explores characteristics of students with disabilities as well as at-risk populations in general education. Addresses the responsibilities of educators, exploring generic strategies for programming for special needs students in the general education classroom, including the Common Core Standards. Required for all Maryland teachers. [3 credits]

SPE-337 Communication Skills for the Special Educator

Addresses human relations, communication and informal counseling skills and their critical role in meeting the diverse needs of students with disabilities. Explores role of the special educator as a member of an interdisciplinary team. Includes research on parent/teacher attitudes, roles and responsibilities. Presents models and techniques for effective interface with parents as well as other professionals encountered in the process of holistic programming. Additional topics include parent training, advocacy, multicultural considerations and accessing community services. [3 credits]

NOTE: Students cannot receive credit for both SPE-237 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-237) and SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337).

SPE-344 Assessment in Special Education

Introduces diagnostic processes used in special education. Includes student-conducted informal and formal assessments as well as analysis, interpretation and presentation of test results. Covers prescriptive techniques and instructional planning as well as current trends in student assessment. Addresses P.L. 94-142, COMAR and other related legislation. [3 credits]

SPE-373 Field Experience in Special Education

Provides supervised classroom observation and participation in special education in a Baltimore area school. Assigned by the education department in cooperation with local school systems. Permission required. (Offered in Winterim.) [3 credits]

SPE-421 Elementary Curriculum Design and Adaptation

Applies principles for adapting curriculum to special needs students at the elementary level. Includes analysis of diagnostic and developmental factors, goal setting and IEP formulation. Explores instructional strategies, identification of materials and resources, and evaluation techniques as they relate to the basic content areas and the Common Core Standards. Prerequisites: SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326). Permission required. [2 credits]

SPE-475 Internship: Teaching in Special Education

Provides student with opportunities for full-time supervised teaching in a special education program in diverse Baltimore area schools. Permission required. Teaching internship fee required. [5 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

SPE-491 Top: Comm Skills for Spec Educ

This course is reserved for specialized topics and independent study. [3 credits]

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Elementary Education/ESOL

The NDMU School of Education strives to prepare teacher candidates to respond to the supply and demand of the teacher education workforce and endeavors to prepare candidates who are highly skilled and equipped to teach children regardless of learning style, differentiated or special needs, and racial or socio-economic status. As such, candidates are encouraged to pursue certification in more than one content area or specialization; e.g, Certification in Biology and Special Education; or in English and TESOL; or in Elementary Education and Early Childhood Education. In some cases, candidates can even obtain three or four certifications (e.g, elementary, special education, early childhood education and/or TESOL).

Having more than one certification yields several benefits: 1) Most important of all, candidates are exposed to specific content and instructional strategies that may be unique to targeted individuals or groups of students (e.g, second language generation students whose parents speak only in their native language). 2) Candidates acquire a deeper, richer background in the vast variety of instructional strategies that one might employ, irrespective of the student's classification (e.g, a student in a Gifted and Talented class might respond just as readily to a 'reward and praise' technique as would a student with special needs). 3) Candidates find that, when seeking employment, they are more marketable because principals are afforded greater flexibility in assigning them to teaching positions that fit the needs of their school and student

population (e.g, if given two equally qualified candidates from which to select, a principal is more likely to hire a candidate who has more than one certification, thereby giving them more flexibility to assign highly qualified teachers to classrooms based on that certification).

In essence, the teacher candidates enter the education profession with a larger and more diverse skill set of instructional strategies and content knowledge to better meet the needs of the school system, where employed, and the children whom they are entrusted to teach.

Pathways to obtain dual, triple, or even four certifications are outlined in the following tables, based on professional courses needed, content areas, programs and degrees.

Elementary Education/Liberal Studies

The Elementary Education/Liberal Studies Major provides a balanced program of liberal arts courses in a variety of academic fields, a planned sequence of professional courses, and practical field experiences that culminate in an extended teaching internship experience. Completion of the program qualifies graduates for Maryland State Department Certification in Elementary Education. Each student works closely with an academic advisor to ensure that the student obtains all the credits needed for the degree, as well as the requirements of the State Department of Education for Certification in Elementary Education. Traditional undergraduate students interested in Elementary Education are encouraged to declare the Elementary Education/Liberal Studies Major in spring semester of the first year.

For students in CAUS, the practical field experiences, including the teaching internship, are the only parts of the Program of Study offered during the day. These must be taken during the academic year when elementary schools are in session. The teaching internship must be completed in the fall semester.

Programs of Study

Required Courses for a Major in Elementary Education/Liberal Studies

Liberal Arts courses in the Major are exclusive of those required for General Education.

Literature (6)
American literature and
World literature

American and World History (3)
U.S. History (if World History was selected for general education) or
Non-U.S. History (if American History was selected for general education)

Mathematics (9)

Natural Sciences (8/9)*
Biological science with lab and
Physical science with lab

Social sciences (6)
Geography and
One of economics, psychology, political science or sociology

Fine arts (3)
ART (if Music was selected for general education) or
MUS (if Art was selected for general education)

**Traditional undergraduate students take three four-credit science courses; College of Adult Undergraduate Studies students take four three-credit science courses.*

Professional Courses

EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252) Clinical Field Experience: Elementary (3)

EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction and Management (3)

EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303) Elementary Reading Materials (3)

EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307) Social Studies in the Elementary School (3) OR EDU-313 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-313)

EDU-309 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-309) Instruction in Reading (3)

EDU-310 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-310) Mathematics in the Elementary School (3)

EDU-312 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312) Science in the Elementary School (3) OR EDU-313 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-313)

EDU-313 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-313) Science and Social Studies in the Elementary School (3) OR EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307) & EDU-312

(https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-312)

EDU-319 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-319) Human Development and Learning (3)

EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes and Acquisition of Reading (3)

EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective (3)

EDU-411 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-411) Internship: Teaching in the Elementary School (Internship teaching fee required.) (10 or 16)

EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) Assessment of Reading (3)

SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher (3)

Transportation is required for methods labs, field experiences and internships.

Certification in English for Speakers of Other Languages (ESOL)

Traditional undergraduate students in Elementary and Secondary Education Programs of Study who also wish to earn Certification in ESOL complete the following additional courses:

Courses

EDU-253 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-253) Clinical Field Experience: ESOL (3)

EDU-308 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-308) Issues in ESOL (3)

EDU-346 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-346) Methods and Materials ESOL (3)

EDU-347 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-347) Assessing Second Language (3)

EDU-360 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-360) Techniques of Teaching Reading and Writing to Students with Limited English Proficiency (3)

EDU-409 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-409) Internship: Teaching ESOL K-12 (16)

EDU-440 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-440) English Grammar for ESOL Teachers (3)

The following additional professional preparation courses also are required:

EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction (3)

EDU-319 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-319) Human Development and Learning (3)

EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes/Acquisition of Reading (3)

EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective (3)

SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher (3)

Courses

EDU-252 Clinical Field Experience: Elementary

Offers a direct instructional field experience in an assigned area elementary public school for three weeks, all day. Includes instruction in school organization, curriculum, characteristics and diverse needs of children, and issues in teaching and learning. Classroom observation and participation seminars. [3 credits]

EDU-253 Clinical Field Experience: ESOL

Provides opportunities for supervised classroom observation and participation in ESOL in a Baltimore area school. Assigned by the education department in cooperation with the local school systems. Three-week session, full school days. (Offered in Winterim.) [3 credits]

EDU-300 Technology for Instruction & Management

Provides prospective classroom teacher swith opportunities for planning, designing and producing projects that support the instructional needs of students in grades K-12, including best practices for the integration of technology into curriculum with state and national technology standards. Students complete a variety of projects to develop skills in word processing, Web page development, computer presentations and other technolgies. For education majors only. [3 credits]

EDU-303 Elementary School Reading Materials

Assists participants in selecting and evaluating materials for teaching reading and developing related skills that are consistent with the findings of scientifically based reading research. Strengthens understanding of research-supported programs, approaches and methods to address different levels of reading proficiency within the classroom and thereby enable all students (G&T, ELL, Special Needs, etc) to become strategic, fluent and independent readers. Participants will use a variety of texts and other materials to promote

independent reading. Participants will be prepared to involve parents and members of the school and community to promote daily reading inside and outside of school. Throughout the course, participants will apply key concepts to various group and individual tasks and projects, including discussions and simulations. NOTE: Students cannot receive credit for both EDU-103 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-103) and EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303). [3 credits]

EDU-307 Social Studies in the Elementary School

Provides a conceptual and analytical approach to teaching and learning social studies in the elementary school. Emphasis on integration of content and process through use of experimental, activity and inquiry approaches to meet the needs of diverse learners. Includes information related to selecting instructional resources, developing curriculum materials and integrating concepts, skills and values. Requires construction of learning materials and peer teaching. [4 credits]

EDU-308 Issues in ESOL

Introduces students to the field of TESOL by providing an overview of instructional programs and approaches for teaching English as a second language to students from K-12 to postsecondary levels. The course includes bilingualism, legal and political trends as they pertain to ESL students in various educational settings, and the impact of state and national initiatives, such as the Common Core State Standards and ESSA, on ESL students and TESOL. [3 credits]

EDU-309 Instruction in Reading

Increases the participant's familiarity with a representative array of research-based instructional techniques and strategies in reading. Participants will learn age-appropriate instructional routines and strategies in the five major components of reading instruction (phonological and phonemic awareness; phonics, spelling and word study; fluency development; vocabulary; and comprehension). Throughout the course candidates will demonstrate their knowledge of the instructional routines and strategies by role-play, live demonstration, critiquing models, using the Common Core Reading Standards and reviewing the research in support of those approaches. [3 credits]

EDU-310 Mathematics in the Elementary School

Integrates mathematical concepts with the methods employed to teach mathematics in the elementary school. Emphasis on National Council of Teachers of Mathematics (NCTM) Standards and implementation of the Common Core Mathematics standards in instruction.

Focus on a hands-on approach using manipulatives. Includes preparation of lesson plans and microteaching experiences. [4 credits]

EDU-312 Science in the Elementary School

Integration of basic concepts of physical, life, earth and space sciences. Emphasis on discovery of concepts through demonstrations and investigations. Addresses the three domains of
science education: knowledge, skills and attitudes. Attention given to National Standards, the Common Core Science Standards and the use of indicators in planning, instruction and assessing. Includes preparation of a science unit and microteaching experience. Permission required. [4 credits]

EDU-346 Methods and Materials for ESOL

Familiarizes students with methods and materials available to the ESOL teacher. Analyzes a wide variety of methods, with emphasis on currently accepted methodology. Different kinds of materials are examined in detail, including authentic materials and the Internet. Students will develop techniques for effectively teaching the four language skill areas in well-designed courses while also adapting standards-based content to the needs of ESOL students. [3 credits]

EDU-347 Assessing Second Language Acquisition

Introduces the student to various assessment techniques that are used in ESOL teaching. Examines traditional testing techniques, along with more recently developed alternative (authentic) methods for assessing second language learning, focusing on the four language skills: reading, writing, listening and speaking. Communicative competence in general will be stressed. n addition, we will critically evaluate the ESOL assessment methods used for placement purposes by various local public school systems as well as placement tests used for adult and higher education. [3 credits]

EDU-357 Procurement & Acquisition of Reading

Assists pre-service and in-service teachers in understanding the reading acquisition process through observation and analysis of reading and written language development. The course is organized around current, accepted, research-based theoretical models that account for individual differences in reading. Introduction to language structure including spoken syllables, phonemes, graphemes and morphemes is included. Using current research-based strategies, participants will apply knowledge of the core areas of language to reading acquisition in terms of first and second language acquisition, typical development, gifted and talented and other exceptionalities. Throughout the course, candidates will demonstrate their knowledge of concepts and skills through a variety of tasks such as assessing their ability to identify linguistic units, observations of students and analysis of student work, and

presentations of research summaries. NOTE: Students cannot receive credit for both EDU-207 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-207) and EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357). [3 credits]

EDU-360 Techniques of Teaching Reading and Writing to Students With Limited English Proficiency

Addresses the development of reading and writing from a cognitive perspective. Students will become familiar with the approaches, methods and techniques appropriate for the teaching of reading and writing to English Language Learners. Special topics such as the integrated skills curriculum, language-specific rhetorical styles and free voluntary reading will also be discussed. Students will evaluate and design appropriate classroom materials. [3 credits]

EDU-402 American Education in Historical Perspective

Surveys major developments in the history of American education from colonial times to the present. Examines influential persons, ideas and institutions in the context of American society. Education and public policy, legal issues, priorities and innovations in American education reviewed from a critical perspective. [3 credits]

EDU-409 Internship:Teaching ESOL K-12

Develops intensive opportunities for full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools. Permission required. Teaching internship fee required. [16 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-411 Internship: Teaching in the Elementary School

Provides full-time observation and supervised internship experiences in diverse Baltimore area professional development schools. Seminars on various topics in education such as analysis of teaching in elementary schools, school and family relationships, and interviewing and employment practices. Permission required. Teaching internship fee required. [5-11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-440 English Grammar for ESOL Teachers

Analyzes the grammar of American English in detail, with an emphasis on those areas of English grammar that tend to present problems for ESOL/EFL students. Students will learn

how to teach grammar, including how to contextualize grammar instruction in thematic lessons. Included will be a discussion of how grammar instruction fits into current trends in language teaching. [3 credits]

SPE-326 Special Education for the Classroom Teacher

Includes brief history as well as legal foundations of current special education models and practices. Explores characteristics of students with disabilities as well as at-risk populations in general education. Addresses the responsibilities of educators, exploring generic strategies for programming for special needs students in the general education classroom, including the Common Core Standards. Required for all Maryland teachers. [3 credits]

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Secondary Education

The NDMU traditional undergraduate program prepares interested students to become certified to teach adolescents in grade 7 - 12. NDMU invites traditional undergraduate students to consider preparing for a career as a secondary school educator. By Majoring in any one of many secondary content areas [e.g. Art, Business, Computer Studies, English, History or Social Studies, Mathematics, Music, Science (Biology, Chemistry, or Physics), Spanish, Theatre, etc.], students may become a certified secondary school educator teaching students in grades 7 - 12. Professional educators will have the opportunity to help students navigate their changing lives and maximize their potential as they matriculate to post-secondary careers and college. In addition to mastery of content area, students will receive a solid foundation in the theory and research that informs current secondary instructional methods, curricula, and assessment tools.

During the senior year while completing the internship, students in most cases will work for one-half of a semester in a middle school and the other half of the semester in a high school - thereby giving them an experience in both settings and preparing them for either employment opportunity.

Courses

EDU-300 Technology for Instruction & Management

Provides prospective classroom teacher swith opportunities for planning, designing and producing projects that support the instructional needs of students in grades K-12, including best practices for the integration of technology into curriculum with state and national technology standards. Students complete a variety of projects to develop skills in word processing, Web page development, computer presentations and other technolgies. For education majors only. [3 credits]

EDU-319 Human Development and Learning

Explores selected aspects of human development related to learning and instruction. Major psychological concepts and learning theories will be examined and applied to the context of eduction. Emphasis will be placed on understanding cognitive and affective domains of development as well as behavior management, motivation, individual differences in learning and instructional practices. Includes reflection, classroom activities, educational philosophy and classroom instruction. [3 credits]

EDU-344 Teaching Reading and Writing in the Secondary School Content Areas I

Studies principles and techniques in teaching interactive reading and writing in secondary school content areas: vocabulary and skill development; pre-reading, reading and post-reading strategies. Techniques for assessing student literacy levels and readability levels of texts. Strategies for individualizing instruction to address the unique needs of diverse learners; e.g., gifted and talented, second language learners, students with special needs, etc. Includes classroom observation and participation in Baltimore area secondary schools. Preparation of lesson plans and peer teaching. [3 credits]

EDU-376 Clinical Field Experience: Secondary

Provides direct instructional field experience in an assigned Baltimore area public middle school for three weeks, all day. Includes instruction in middle school organization and curriculum, characteristics and diverse needs of middle school children, and issues in teaching and learning. Classroom observation and participation. Weekly seminars. Permission required. Three-week session, full school days. [3 credits]

EDU-402 American Education in Historical Perspective

Surveys major developments in the history of American education from colonial times to the present. Examines influential persons, ideas and institutions in the context of American society. Education and public policy, legal issues, priorities and innovations in American education reviewed from a critical perspective. [3 credits]

EDU-413 Internship:Teaching in the Secondary School

Incorporates full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools during the fall semester only. Permission required. Teaching internship fee required. [11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-420 Dim Curric/Inst Sec Sch

Examines aims, organization and administration of American secondary schools. Principles of curriculum organization and design for middle and senior high schools. Curriculum development in school systems, in specific schools, and in academic disciplines. Multicultural and gender issues are considered. Class is interrelated with methods courses in study and application of principles of teaching-learning, used of technology for instruction, analysis of teaching, assessment of classroom management. [3 credits]

EDU-429 Meth Bus Ed/Sec Sch

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-430 Art N-12

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area.

Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-431 English in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-432 Modern Foreign Language in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-433 Mathematics in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-437 Science in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-439 Social Studies in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-451 Teaching Reading and Writing in the Content Areas II

Examines methods, purposes and criteria used in diagnosing strengths and weaknesses of students with a range of reading abilities; e.g., special needs, gifted and talented, ESOL. Focus is on authentic formal and informal assessment of individual secondary school students and application of test results in various secondary curriculum content areas. Includes an applied, school-based assessment experience. [3 credits]

EDU-460 Assessment of Reading

Provides students with a background in assessment and its relationship to instruction. Students will learn about the variety of assessments available to the classroom teacher in the areas of reading and writing and how to administer, score and interpret the results of these various assessments. Instructional decisions regarding the educational program of the child, and his/her diverse needs will also be examined. [3 credits] NOTE: Please refer to cohort schedule. Additional clas times may meet in previous semester.

EDU-491 Topics in Education

SPE-326 Special Education for the Classroom Teacher

Includes brief history as well as legal foundations of current special education models and practices. Explores characteristics of students with disabilities as well as at-risk populations in general education. Addresses the responsibilities of educators, exploring generic strategies for programming for special needs students in the general education classroom, including the Common Core Standards. Required for all Maryland teachers. [3 credits]

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Special Education (Dual Certification)

Special Education - Traditional Undergraduate

Elementary Education/Liberal Studies

The Elementary Education/Liberal Studies Major provides a balanced program of liberal arts courses in a variety of academic fields, a planned sequence of professional courses, and practical field experiences that culminate in an extended teaching internship experience. Completion of the program qualifies graduates for Maryland State Department Certification in Elementary Education. Each student works closely with an academic advisor to ensure that the student obtains all the credits needed for the degree, as well as the requirements of the State Department of Education for Certification in Elementary Education. Traditional Undergraduate students interested in Elementary Education are encouraged to declare the Elementary Education/Liberal Studies Major in spring semester of the first year.

For students in CAUS, the practical field experiences, including the teaching internship, are the only parts of the Program of Study offered during the day. These must be taken during the academic year when elementary schools are in session.

Elementary Education with Dual Certification in Special Education

Required Courses

The following courses are available to the student seeking to meet the course requirements for Maryland Certification in Special Education in addition to Certification through the approved program in Elementary Education. The student interested in pursuing this option is advised to begin coursework in the first year and to follow carefully the sequence outlined by her advisor. Students working toward dual certification will

use special education courses in place of electives. They will take the Liberal Studies and Elementary Education courses listed previously and an additional 24 credits in Special Education. The student teaching experience can be accomplished during the same semester as the Elementary Education student teaching. More than 120 credits are needed to graduate with dual certification.

Professional Courses

SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337) Communication Skills for the Special Educator (3)

SPE-321 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-321) Methods of Teaching Students with Special Needs (3)

SPE-344 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-344) Assessment in Special Education (3)

SPE-373 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-373) Field Experience in Special Education (3) OR EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252) if fual certifying in Elementary Education

SPE-421 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-421) Elementary Curriculum Design and Adaptation (3)

SPE-422 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-422) Secondary Curriculum Design and Adaptation (for students seeking secondary certification only) (3)

SPE-475 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-475) Student Teaching in Special Education (Student teaching fee required) (6)

Transportation is required for method labs, field experiences and internships.

Elementary Education/Liberal Studies and Special Education Certification Four-Year Plan

Below is a sample Program of Study for the traditional undergraduate student enrolled in the Elementary Education/Liberal Studies with Special Education Certification Major. Students should select courses with the assistance of a faculty advisor.

Fall		Spring	
First year			
IDS-100 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-100) Perspectives on Education	3	Chemistry or Physical Science	4
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing	3	English Literature	3

Physical Science or Biology	4	EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303) Elementary Reading Materials	3
Mathematics (120, 121, 122, 125)	3	MUS-202 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-202) Music for Teachers	3
Foreign Language	3	SPE-201 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-201) Introduction to Special Education	3
[16 credits]		Physical Education	1
		[17 credits]	
Second year			
Physical Science or Biology	4	ART Elective	3
EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357) Processes and Acquisition/Reading	3	Mathematics (120, 121, 122, 125)	3
Philosophy (200-level)	3	Sociology	3
COM-206 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-206) Public Speaking	3	GEO-206 (https://catalog.ndm.edu/courses/list/index.php?dept=GEO#GEO-206) Geography	3
SPE-344 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-344) Assessment Special Education	3	SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337) Communication Skills for Teachers	3
[16 credits]		RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201) Introduction to Biblical Studies	3
		[18 credits]	
Third year			

SPE-321 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-321) Methods of Teaching Students with Special Needs	3	EDU-309 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-309) Instruction in Reading	3
EDU-319 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-319) Human Development and Learning	3	EDU-310 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-310) Math in Elem School	3
Special Education	3	EDU-252 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-252) or SPE-373 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-373)	3
EDU-300 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-300) Technology for Instruction	3	EDU-307 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-307)/312 Methods:	3
Mathematics (120, 121, 122, 125)	3	EDU-313 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-313) Science and Social Studied in Elem School	3
[15 credits]		Philosophy, 300/400 level course	3
		[18 credits]	
Fourth year			
EDU-411 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-411) Internship: Teaching in the Elementary School	10	English Literature	3
SPE-475 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-475) Internship: Teaching Special Education	6	EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) Am. Ed. in History	3
EDU-400 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-400) edTPA for Education		EDU-460 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-460) Assessment of Reading	3
[16+ credits]		Religious Studies (300)	3
		History	3

	Mathematics (120, 121, 122, 125)	3
	[18 credits]	

Courses

EDU-252 Clinical Field Experience: Elementary

Offers a direct instructional field experience in an assigned area elementary public school for three weeks, all day. Includes instruction in school organization, curriculum, characteristics and diverse needs of children, and issues in teaching and learning. Classroom observation and participation seminars. [3 credits]

EDU-253 Clinical Field Experience: ESOL

Provides opportunities for supervised classroom observation and participation in ESOL in a Baltimore area school. Assigned by the education department in cooperation with the local school systems. Three-week session, full school days. (Offered in Winterim.) [3 credits]

EDU-300 Technology for Instruction & Management

Provides prospective classroom teacher swith opportunities for planning, designing and producing projects that support the instructional needs of students in grades K-12, including best practices for the integration of technology into curriculum with state and national technology standards. Students complete a variety of projects to develop skills in word processing, Web page development, computer presentations and other technolgies. For education majors only. [3 credits]

EDU-301 Educational Psychology

Examines stages of the cognitive, affective and physical domains of student development. Includes analysis and discussion of basic theories of learning and teaching and their applications to classroom situations including diversity and individual differences as factors influencing student learning (including socioeconomic diversity, cultural diversity and the needs of special education students, gifted and talented education and English Language Learners), motivation and classroom management. Assessment issues including formal and informal assessment, norm referenced and criterion referenced testing, and the implications of assessment measures (such as the Maryland Common Core Curriculum Standards) for learning and teaching are also examined. Includes student-centered approaches to learning (including service-learning activities). Recommended prerequisite: PSY-203 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-203). [3 credits]

EDU-303 Elementary School Reading Materials

Assists participants in selecting and evaluating materials for teaching reading and developing related skills that are consistent with the findings of scientifically based reading research. Strengthens understanding of research-supported programs, approaches and methods to address different levels of reading proficiency within the classroom and thereby enable all students (G&T, ELL, Special Needs,

etc) to become strategic, fluent and independent readers. Participants will use a variety of texts and other materials to promote independent reading. Participants will be prepared to involve parents and members of the school and community to promote daily reading inside and outside of school. Throughout the course, participants will apply key concepts to various group and individual tasks and projects, including discussions and simulations. NOTE: Students cannot receive credit for both EDU-103 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-103) and EDU-303 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-303). [3 credits]

EDU-307 Social Studies in the Elementary School

Provides a conceptual and analytical approach to teaching and learning social studies in the elementary school. Emphasis on integration of content and process through use of experimental, activity and inquiry approaches to meet the needs of diverse learners. Includes information related to selecting instructional resources, developing curriculum materials and integrating concepts, skills and values. Requires construction of learning materials and peer teaching. [4 credits]

EDU-308 Issues in ESOL

Introduces students to the field of TESOL by providing an overview of instructional programs and approaches for teaching English as a second language to students from K-12 to postsecondary levels. The course includes bilingualism, legal and political trends as they pertain to ESL students in various educational settings, and the impact of state and national initiatives, such as the Common Core State Standards and ESSA, on ESL students and TESOL. [3 credits]

EDU-309 Instruction in Reading

Increases the participant's familiarity with a representative array of research-based instructional techniques and strategies in reading. Participants will learn age-appropriate instructional routines and strategies in the five major components of reading instruction (phonological and phonemic awareness; phonics, spelling and word study; fluency development; vocabulary; and comprehension). Throughout the course candidates will demonstrate their knowledge of the instructional routines and strategies by role-play, live demonstration, critiquing models, using the Common Core Reading Standards and reviewing the research in support of those approaches. [3 credits]

EDU-310 Mathematics in the Elementary School

Integrates mathematical concepts with the methods employed to teach mathematics in the elementary school. Emphasis on National Council of Teachers of Mathematics (NCTM) Standards and implementation of the Common Core Mathematics standards in instruction. Focus on a hands-on approach using manipulatives. Includes preparation of lesson plans and microteaching experiences. [4 credits]

EDU-312 Science in the Elementary School

Integration of basic concepts of physical, life, earth and space sciences. Emphasis on discovery of concepts through demonstrations and investigations. Addresses the three domains of science education: knowledge, skills and attitudes. Attention given to National Standards, the Common Core Science Standards and the use of indicators in planning, instruction and assessing. Includes preparation of a science unit and microteaching experience. Permission required. [4 credits]

EDU-313 Science and Social Studies in the Elementary School

Emphasizes integration of content and process through demonstration, investigative and inquiry approaches. Addresses the three domains of knowledge, skills and attitudes. Attention is given to recent trends, national and state standards, and the use of indicators in planning instruction and assessing. Includes preparation of instructional units and microteaching experience. [3 credits]

EDU-315 Curriculum/Methods and Materials For the Young Child

Presents curriculum, methods and materials for early childhood programs, preschool through primary grades. Family and community involvement strategies. Instruction in planning, implementation and assessment of interdisciplinary activities to stimulate cognitive, linguistic, social and motor development to meet the diverse needs of learners. [4 credits]

EDU-344 Teaching Reading and Writing in the Secondary School Content Areas I

Studies principles and techniques in teaching interactive reading and writing in secondary school content areas: vocabulary and skill development; pre-reading, reading and post-reading strategies. Techniques for assessing student literacy levels and readability levels of texts. Strategies for individualizing instruction to address the unique needs of diverse learners; e.g., gifted and talented, second language learners, students with special needs, etc. Includes classroom observation and participation in Baltimore area secondary schools. Preparation of lesson plans and peer teaching. [3 credits]

EDU-346 Methods and Materials for ESOL

Familiarizes students with methods and materials available to the ESOL teacher. Analyzes a wide variety of methods, with emphasis on currently accepted methodology. Different kinds of materials are examined in detail, including authentic materials and the Internet. Students will develop techniques for effectively teaching the four language skill areas in well-designed courses while also adapting standards-based content to the needs of ESOL students. [3 credits]

EDU-347 Assessing Second Language Acquisition

Introduces the student to various assessment techniques that are used in ESOL teaching. Examines traditional testing techniques, along with more recently developed alternative (authentic) methods for assessing second language learning, focusing on the four language skills: reading, writing, listening and speaking. Communicative competence in general will be stressed. n addition, we will critically

evaluate the ESOL assessment methods used for placement purposes by various local public school systems as well as placement tests used for adult and higher education. [3 credits]

EDU-357 Procurement & Acquisition of Reading

Assists pre-service and in-service teachers in understanding the reading acquisition process through observation and analysis of reading and written language development. The course is organized around current, accepted, research-based theoretical models that account for individual differences in reading. Introduction to language structure including spoken syllables, phonemes, graphemes and morphemes is included. Using current research-based strategies, participants will apply knowledge of the core areas of language to reading acquisition in terms of first and second language acquisition, typical development, gifted and talented and other exceptionalities. Throughout the course, candidates will demonstrate their knowledge of concepts and skills through a variety of tasks such as assessing their ability to identify linguistic units, observations of students and analysis of student work, and presentations of research summaries. NOTE: Students cannot receive credit for both EDU-207 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-207) and EDU-357 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-357). [3 credits]

EDU-360 Techniques of Teaching Reading and Writing to Students With Limited English Proficiency

Addresses the development of reading and writing from a cognitive perspective. Students will become familiar with the approaches, methods and techniques appropriate for the teaching of reading and writing to English Language Learners. Special topics such as the integrated skills curriculum, language-specific rhetorical styles and free voluntary reading will also be discussed. Students will evaluate and design appropriate classroom materials. [3 credits]

EDU-373 Field Exp in Spec Ed

Provides supervised classroom observation and participation in special education in diverse Baltimore area schools. Assigned by the School of Education in cooperation with local school systems. Permission required. [3 credits]

EDU-376 Clinical Field Experience: Secondary

Provides direct instructional field experience in an assigned Baltimore area public middle school for three weeks, all day. Includes instruction in middle school organization and curriculum, characteristics and diverse needs of middle school children, and issues in teaching and learning. Classroom observation and participation. Weekly seminars. Permission required. Three-week session, full school days. [3 credits]

EDU-402 American Education in Historical Perspective

Surveys major developments in the history of American education from colonial times to the present. Examines influential persons, ideas and institutions in the context of American society. Education and public policy, legal issues, priorities and innovations in American education reviewed from a critical perspective. [3 credits]

EDU-409 Internship:Teaching ESOL K-12

Develops intensive opportunities for full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools. Permission required. Teaching internship fee required. [16 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-410 Internship: Teaching in Early Childhood Education

Incorporates full-time observation and supervised student teaching required. Internship fee required. [variable credits: 2-5 credits]

NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department. Students preparing for dual certification neroll in designated alternative sections of appropriate internships for 105 credits each. Consult program advisor before registering.

EDU-411 Internship: Teaching in the Elementary School

Provides full-time observation and supervised internship experiences in diverse Baltimore area professional development schools. Seminars on various topics in education such as analysis of teaching in elementary schools, school and family relationships, and interviewing and employment practices. Permission required. Teaching internship fee required. [5-11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-413 Internship:Teaching in the Secondary School

Incorporates full-time observation and supervised internship teaching experience in diverse Baltimore area professional development schools during the fall semester only. Permission required. Teaching internship fee required. [11 credits] NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

EDU-420 Dim Curric/Inst Sec Sch

Examines aims, organization and administration of American secondary schools. Principles of curriculum organization and design for middle and senior high schools. Curriculum development in school systems, in specific schools, and in academic disciplines. Multicultural and gender issues are considered. Class is interrelated with methods courses in study and application of principles of teaching-learning, used of technology for instruction, analysis of teaching, assessment of classroom management. [3 credits]

EDU-429 Meth Bus Ed/Sec Sch

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-430 Art N-12

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-431 English in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-432 Modern Foreign Language in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-433 Mathematics in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching

the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-437 Science in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-439 Social Studies in the Secondary School

Students in all methods courses examine the nature of the academic discipline, the structure and modes of thinking through which knowledge in the discipline advances, current research on teaching the subject, models of teaching, and techniques appropriate for instruction in the content area. Application of teaching-learning theory to the content area in planning, motivation, instruction, questioning, discussion and assessment in the content area. Evaluation and use of the Maryland Common Core State Curriculum and student learner outcomes (as applicable), other curriculum guides, textbooks and resource materials in the field. Presentation and evaluation of demonstration lessons. Videotaping for analysis of teaching. Permission required for all methods courses. [3 credits]

EDU-440 English Grammar for ESOL Teachers

Analyzes the grammar of American English in detail, with an emphasis on those areas of English grammar that tend to present problems for ESOL/EFL students. Students will learn how to teach grammar, including how to contextualize grammar instruction in thematic lessons. Included will be a discussion of how grammar instruction fits into current trends in language teaching. [3 credits]

EDU-451 Teaching Reading and Writing in the Content Areas II

Examines methods, purposes and criteria used in diagnosing strengths and weaknesses of students with a range of reading abilities; e.g., special needs, gifted and talented, ESOL. Focus is on authentic formal and informal assessment of individual secondary school students and application of test results in various secondary curriculum content areas. Includes an applied, school-based assessment experience. [3 credits]

EDU-460 Assessment of Reading

Provides students with a background in assessment and its relationship to instruction. Students will learn about the variety of assessments available to the classroom teacher in the areas of reading and

writing and how to administer, score and interpret the results of these various assessments. Instructional decisions regarding the educational program of the child, and his/her diverse needs will also be examined. [3 credits] NOTE: Please refer to cohort schedule. Additional clas times may meet in previous semester.

EDU-491 Topics in Education

SPE-321 Methods of Teaching Students With Special Needs

Provides the student with methods to facilitate the teaching of students with diverse learning needs. Course content includes cognitive processing, classroom management and organization strategies. Models of instructional delivery, adaptation of instructional materials, strategy instruction and means of assessing student progress are explored. Current trends and issues in special education are included as well. [3 credits]

SPE-326 Special Education for the Classroom Teacher

Includes brief history as well as legal foundations of current special education models and practices. Explores characteristics of students with disabilities as well as at-risk populations in general education. Addresses the responsibilities of educators, exploring generic strategies for programming for special needs students in the general education classroom, including the Common Core Standards. Required for all Maryland teachers. [3 credits]

SPE-337 Communication Skills for the Special Educator

Addresses human relations, communication and informal counseling skills and their critical role in meeting the diverse needs of students with disabilities. Explores role of the special educator as a member of an interdisciplinary team. Includes research on parent/teacher attitudes, roles and responsibilities. Presents models and techniques for effective interface with parents as well as other professionals encountered in the process of holistic programming. Additional topics include parent training, advocacy, multicultural considerations and accessing community services. [3 credits]

NOTE: Students cannot receive credit for both SPE-237 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-237) and SPE-337 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-337).

SPE-344 Assessment in Special Education

Introduces diagnostic processes used in special education. Includes student-conducted informal and formal assessments as well as analysis, interpretation and presentation of test results. Covers prescriptive techniques and instructional planning as well as current trends in student assessment. Addresses P.L. 94-142, COMAR and other related legislation. [3 credits]

SPE-373 Field Experience in Special Education

Provides supervised classroom observation and participation in special education in a Baltimore area school. Assigned by the education department in cooperation with local school systems. Permission required. (Offered in Winterim.) [3 credits]

SPE-421 Elementary Curriculum Design and Adaptation

Applies principles for adapting curriculum to special needs students at the elementary level. Includes analysis of diagnostic and developmental factors, goal setting and IEP formulation. Explores instructional strategies, identification of materials and resources, and evaluation techniques as they relate to the basic content areas and the Common Core Standards. Prerequisites: SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326). Permission required. [2 credits]

SPE-475 Internship: Teaching in Special Education

Provides student with opportunities for full-time supervised teaching in a special education program in diverse Baltimore area schools. Permission required. Teaching internship fee required. [5 credits]
NOTE: Student Teaching Internships may start earlier than the official term start dates. Please refer to the information received at the internship orientation or contact the Education Department.

SPE-491 Top: Comm Skills for Spec Educ

This course is reserved for specialized topics and independent study. [3 credits]

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School of Nursing

The philosophy of the School of Nursing grounds the caring curriculum, as well as all activities of the School:

Nursing and the teaching of Nursing is a journey through deep caring connections with patients, students, colleagues, and the discipline of Nursing. Nursing is imagined and known through caring authentic presence with others and multiple ways of knowing. Nursing is a presence to life lived with those entrusted to our care, a beacon, attentive to the extraordinary in the mundane and boldly entering questions of meaning. All stories of individuals and of the discipline are valued as necessary to the growth and advancement of the profession. Healing practice is possible in partnership relationships; nursing creates safe welcoming places, encouraging growth, seeking to understand and knowing each other's hearts.

Nurses are called to care through advocacy, action, 'power-with' and trusting relationships with persons and groups in diverse settings. Nursing embraces diversity and commitment to social justice. With perseverance and fortitude, caring and compassion are preserved as the ethical foundation of nursing practice and scholarship.

A nursing way of being requires reflective practice, a listening, that allows for meaning-making in all dimensions of academic and practice endeavors. Nursing practice is characterized by thoughtfulness and necessarily lived out with intention. This way of being a College of Nursing in

all aspects allows for possibilities for our mission to be realized—educating nurses to transform the world.

The Philosophy of the School of Nursing is lived by the graduates through the following program outcomes: Presence, Praxis, Advocacy, Scholarship, Self-Care and Leadership.

Traditional Undergraduate or College of Adult Undergraduate Studies?

Although many Programs of Study are offered through both the Traditional Undergraduate and the College of Adult Undergraduate Studies (CAUS), there are significant differences in their populations and scheduling. To determine whether the Traditional Undergraduate or CAUS is the most appropriate for you, see the college descriptions under Academic Information (/undergraduate-catalog/academic-information_1).

Learn more

- Bachelor of Science in Nursing Program (/undergraduate-catalog/school-of-nursing/bachelor-of-science_1?menu=school-of-nursing_3)
- RN to BSN (/undergraduate-catalog/school-of-nursing_1/rn-to-bsn_1?menu=school-of-nursing_3)

Notre Dame of Maryland University
(http://www.ndm.edu/)
4701 North Charles Street
Baltimore, Maryland 21210

410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0&z=15)

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Bachelor of Science in Nursing Program

Entry-level BSN Program Department

Kathleen Wisser, PhD, RN, CNE, *Dean, School of Nursing*
Jeanie Anastasi, MSN, RN, Assistant Director, Center for Caring with Technology
Diana Baker, MSN,RN
Jane Balkam, PhD, APRN, CPNP, IBCLC
Katelyn Barley, DNP, RN, CCRN, CNE, Director, Entry-Level Nursing Programs
Tina Bloom, PhD, MPH, RN, Francis K. Pitts '96 Endowed Chair for Leadership in Women's and Children's Health
Rachel Crowe, DNP, RN, CPNP-AC, Director, Graduate Programs
Kathryn Handy, DNP, RN, CNE, Associate Dean
Bernice Horton-Gee, DNP, RN, WHNP-BC
Zane Hunter, AA, Simulation and Technology Specialist
Lisa Lorden, PhD, MS, CRNP, ACNP-BC, PMHNP-BC
Maria Marzi, Academic Success and Advising Professional II
Mary Packard, PhD, RN
Amy Rohrs, BS, Dean's Assistant and Clinical Placement Coordinator
Jenell Steele, MSN, RN
Melissa Wengler, Academic Success and Advising Professional I

Degrees offered

Major

Campuses

Main Campus

The School of Nursing offers a Bachelor of Science in Nursing (BSN) to students admitted as traditional undergraduates. Dedicated to the mission of the School Sisters of Notre Dame, the School of Nursing educates students in a caring science curriculum to become leaders in the profession of nursing, and thereby to transform healthcare and the world. The BSN program challenges students to strive for intellectual and professional excellence, to build inclusive communities, to engage in service to others, and to promote social responsibility. The philosophy of the School of Nursing grounds the caring curriculum, as well as all activities of the School:

Nursing and the teaching of nursing is a journey through deep caring connections with patients, students, colleagues, and the discipline of nursing. Nursing is imagined and known through caring authentic presence with others and multiple ways of knowing. Nursing is a presence to life lived with those entrusted to our care, a beacon, attentive to the extraordinary in the mundane and boldly entering questions of meaning. All stories of individuals and of the discipline are valued as necessary to the growth and advancement of the profession. Healing practice is possible in partnership relationships; nursing creates safe welcoming places, encouraging growth, seeking to understand and knowing each other's hearts.

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A nursing way of being requires reflective practice, a listening, that allows for meaning-making in all dimensions of academic and practice endeavors. Nursing practice is characterized by thoughtfulness and necessarily lived out with intention. This way of being

Students are admitted to Notre Dame as Nursing students and complete most liberal arts and basic science courses prior to beginning the Nursing Major in the junior year. The BSN program integrates the academic discipline with reflective clinical practice. Clinical experiences occur in a variety of hospital and community settings serving

diverse populations throughout the region. BSN graduates are prepared as nurse generalists and are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX–RN) in order to secure licensure as a Registered Nurse.

The Nursing Program is approved by the Maryland Board of Nursing and is accredited by the Commission on Collegiate Nursing Education (655 K Street, NW, Suite 750, Washington, DC 20001; Phone: 202-887-6791).

Progression Policy in the Nursing Major for Junior and Senior Year

Once enrolled in the Nursing Major, students must meet the following criteria in order tp progress in the Major:

Criteria for Progression

- Adhere to the *NSNA Code of Ethics for Nursing Students—Code of Academic and Clinical Conduct.*
- Maintain a cumulative grade point average of 2.8 in nursing courses.
- Achieve a grade of C or better in all nursing courses.

- Satisfactorily complete the clinical component of each nursing course. A clinical failure constitutes failure of the entire nursing course regardless if a passing grade was obtained in classroom theory tests.
- Minimum of 70% examination average must be met before other assignments are considered in select nursing courses in order to pass the course. Once the examination average of 70% is met, all other assignment grades will be factored. These select courses include: NUR-301 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-301) Holistic Health Assessment, NUR-305 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-305) Foundations of a Caring Profession, NUR-308 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-308) Professional Nursing Care: Psychiatric Mental Health, NUR-310 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-310) Pathopharmacology, NUR-311 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-311) Professional Nursing Care of the Adult I, NUR-408 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-408) Professional Nursing Care: Maternal Newborn Nursing, NUR-409 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-409) Professional Nursing Care of the Adult II, NUR-417 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-417) Professional Nursing Care: Children and Families, NUR-431 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-431) Community Health Nursing.
- Only one nursing course (NUR designation) may be repeated—and only one time. Failure of a second nursing course results in dismissal from the nursing program.
- Students are limited to repeating one science course (for a grade less than C) and one nursing course (for a grade less than C) throughout the entire program of study.
- Students are limited to two withdrawals from nursing courses during their course of study.
- Students who withdraw from the program due to non-academic reasons may be reinstated on a space-available basis. Students must have withdrawn in good academic standing with a cumulative GPA of 2.8

or above in all nursing courses. University admission policies are followed.

The complete policy for acceptance to the Nursing Major and complete progression policy is contained in the Undergraduate Nursing Student Entry-Level BSN Student Handbook.

Program of Study

Required Courses for the Major in Nursing

BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) General Biology (4)
BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) Human Anatomy & Physiology I (4)
BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202) Human Anatomy & Physiology II (4)
BIO-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-253) General Microbiology (4)
CHM-108 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-108) Survey of General, Organic & Biochemistry (4)
LSP-150 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-150) Beginning Spanish for Health Professions (3)
MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103) Applied Algebra (unless waived) (3)
MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics (3)
NUR-250 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-250) Nutrition for Wellness (online) (3)
NUR-301 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-301) Holistic Health Assessment (4)
NUR-303 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-303) Nursing Informatics (online) (2)
NUR-304 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-304) Healthy Aging (3)
NUR-305 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-305) Foundations of a Caring Profession (5)
NUR-307 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-307) Research in Nursing Practice (3)
NUR-308 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-308) Professional Nursing Care: Psychiatric/Mental Health (4)
NUR-310 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-310) Pathopharmacology (4)
NUR-311 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-311) Professional Nursing Care of the Adult I (4)
NUR-408 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-408) Professional Nursing Care: Maternal and Newborn (4)
NUR-409 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-409) Professional Nursing

Care of the Adult II (4)

NUR-417 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-417) Professional Nursing Care: Children and Families (4)

NUR-431 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-431) Community Health Nursing (5)

NUR-441 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-441) Caring Approaches in Nursing Leadership and Practice (4)

NUR-461 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-461) Clinical Practicum (6)

PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) Introductory Psychology (4)

PSY-233 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-233) Human Growth & Development (3)

PHL-330 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-330) Ethics (3)

SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101) Introductory Sociology (3)

Nursing Four-Year Plan

Students must select courses with the assistance of a faculty advisor. The Program of Study requires a total of 126/127 credits.

Fall		Spring	
FIRST YEAR			
*MAT-100 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-100) Algebraic Applications OR	4	CHM-108 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-108) Survey of General, Organic & Biochemistry	4
*MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103) Applied Algebra (unless waived)	3	BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) Fundamentals of Biology	4
NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) Perspectives in Education	3	ENG-English Literature	3
ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) College Writing		PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201) Introduction to Philosophy	3

HIS-History Requirement	3	PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101) Introductory Psychology	4
[13/14 credits]		[18 credits]	

SECOND YEAR

SOC-101 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-101) Introductory Sociology	3	BIO-202 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-202) Human Anatomy & Physiology II	4
NUR-250 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-250) Nutrition for Wellness (Online)	3	BIO-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-253) Microbiology	4
PHL-330 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-330) Ethics	3	PSY-233 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-233) Human Growth & Development	3
BIO-201 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-201) Human Anatomy & Physiology I	4	MAT-215 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-215) Basic Statistics	3
RST-105 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-105) Religion and the Big Picture	3	COM-106 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-106) Oral Communication	3
[16 credits]		[17 credits]	

THIRD YEAR

NUR-301 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-301) Holistic Health Assessment	4	NUR-304 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-304) Healthy Aging	3

NUR-303 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-303) Nursing Informatics	2	NUR-311 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-311) Professional Nursing Care of the Adult I	4
NUR-305 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-305) Foundations of a Caring Profession	5	NUR-307 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-307) Research in Nursing Practice	3
NUR-310 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-310) Pathopharmacology	4	NUR-308 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-308) Professional Nursing Care: Psychiatric/Mental Health	4
[15 credits]		LSP-150 (https://catalog.ndm.edu/courses/list/index.php?dept=LSP#LSP-150) Beginning Spanish for Health Professions	3
		[17 credits]	

FOURTH YEAR

NUR-417 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-417) Professional Nursing Care: Children and Families	4	NUR-431 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-431) Community Health Nursing	5
Fine Arts Elective	3	NUR-441 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-441) Caring Approaches to Nursing Leadership and Practice	4
NUR-408 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-408) Professional Nursing Care: Maternal and Newborn	4	NUR-461 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-461) Clinical Practicum	6
NUR-409 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-409) Professional Nursing Care of the Adult II	4	[14 credits]	
[15 credits]			

Total General Education Credits: 45/46

Total Nursing Credits: 56

[126/127 total credits]

***Math Requirement**

If nursing students place into MAT-100 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-100) Algebraic Applications on the Math Placement Test, then they are required to take MAT-100 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-100). If Nursing students place into MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103) Applied Algebra, then they are required to take MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103); however, if they place into MAT 107 or higher, then MAT-103 (https://catalog.ndm.edu/courses/list/index.php?dept=MAT#MAT-103) may be waived.

***General Biology Requirement**

BIO-111 General Biology requires permission of instructor to take without BIO-110 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-110) Exploring Concepts of Biology as a prerequisite course.

***Foreign Language Requirement for Women's College BSN only**

LSP-150 Begining Spanish for Healthcare Professionals is a requirement of the Nursing Major. However, based on a student's foreign language placement exam results, a student may be eligible to take an equivalency exam. If a student passes the equivalency exam, she is exempt from taking LSP 150.

Program of Study for the Accelerated Second-Degree BSN

Required Courses for the Major in Nursing (Credits)

Students in the 15-month Accelerated Second-Degree BSN program receive 90 credits for a Bachelor's degree in another field. Students must complete 7 pre-entrance requirements before acceptance into the program.

BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) General Biology (4)
BIO-253 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-253) General Microbiology (4)
BIO-260 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-260) Genetics and Genomics for Clinical Practice (3)
BIO-281 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-281) Human Anatomy & Physiology I (4)
BIO-282 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-282) Human Anatomy &

Physiology II (4)

CHM-108 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-108) Survey of General, Organic & Biochemistry (4)

PHL-339 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-339) Medical Ethics (3

NOTE: Science courses must be completed within the last 5 years or the applicant must have relevant work experience.

Accelerated Second-Degree BSN Plan

Semester 1--Summer I

NUR-301 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-301) Holistic Health Assessment (4 credits)

NUR-303 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-303) Nursing Informatics (2 credits)

NUR-305 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-305) Foundations of a Caring Profession (5 credits)

NUR-310 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-310) Pathopharmacology (4 credits)

Semester 2--Fall 1

NUR-304 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-304) Healthy Aging (3 credits)

NUR-311 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-311) Professional Nursing Care of the Adult I (4 credits)

NUR-307 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-307) Research in Nursing Practice (3 credits)

NUR-308 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-308) Professional Nursing Care: Psychiatric/Mental Health (4 credits)

Semester 3--Spring 1

NUR-417 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-417) Professional Nursing Care: Children and Families (4 credits)

NUR-406 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-406) Contemporary Trends and Theory in Nursing (3 credits)

NUR-408 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-408) Professional Nursing Care: Maternal and Newborn (4 credits)

NUR-409 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-409) Professional Nursing Care of the Adult II (4 credits)

Semester 4--Summer II

NUR-431 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-431) Community Health Nursing (5 credits)

NUR-432 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-432) Caring Nursing Leadership (3 credits)

NUR-461 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-461) Clinical Practicum (6 credits)

Courses

NUR-150 Gender and Women's Health

Evaluates the relationship between gender and health outcomes both in the United States as well as globally. Students will become aware of how gender as a social construct influences the health and wellbeing of women. Biological and social processes related to women's health and disease will be explored. Issues such as violence against women, female genital mutilation, infanticide, lack of access to health care and education, health literacy, LGBT and sexual subjugation will be discussed using a women's health lens. Fulfills general education requirement in gender studies. [3 credits]

NUR-250 Nutrition for Wellness

This three credit online course focuses on the basic principles of nutrition that will support nursing praxis and their application during the human life span in health and disease. Learners are offered the opportunity to explore the assumptions underlying nutrition for individuals of varying cultural backgrounds, stages of development, and across the wellness-illness continuum. The 14-week course will be offered in seven online modules. [3 credits]

NUR-300 Foundations of Caring Science

Explores human caring science as a foundation of the discipline and profession of nursing. In this course RN-BSN students have the opportunity to reflect on lived practice experiences through multiple ways of knowing and examination of caring as a way of being. Implications for transformational practice, education, and research are addressed. [1 credit]

NUR-301 Holistic Health Assessment

Introduces the student to knowledge and skills essential for holistic health assessment. The psychological, physical, environmental, social, spiritual and genetic components of a health assessment will be applied. The student will practice assessment and interviewing skills in a skills laboratory. The student will analyze both subjective and objective data and document findings in the appropriate format. This course has 2 components: theory (3 credits) and practice (1 credit). Junior level traditional undergraduate nursing students only. [4 credits]

NUR-301CL Holistic Health Assessment Lab

Integrates NUR-301 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-301) Holistic Health Assessment course content into clinical experiences in the Center for Caring with Technology.

NUR-302 Caring Approaches to Practice

This three-credit course is designed to explore various aspects of professional nursing practice. Learning experiences will include caring ways of being present to our patients, peers, and families. Students will also engage in the exploration of practice standards, ethical ways of being, linkages between theory/practice, multiple ways of knowing, reflective practice, and current trends in nursing. Upon completion of the course, students will have had the opportunity to refine their abilities to communicate through scholarly writing and informative presentations. [3 credits]

NUR-303 Nursing Informatics

Students are introduced to online computer applications used in nursing and health care. Students acquire technical skills needed for the application of patient care technologies and competency in information literacy,information management, and information management systems for the purpose of safe, competent and quality patient care. Prerequisite: Junior level traditional undergraduate nursing students only. [2 credits]

NUR-304 Healthy Aging

Explores the multiple dimensions of aging in America and in global societies. The course focuses on the foundations of healthy, successful aging based on national indicators, as well as the personal definitions and meanings of the older adult. Students will learn to support optimal promotion of health and wellness while exploring the care of who might also be experiencing illness, recovery or the end-of-life. The complex relationships among person-health-nursing environment will be examined in depth. Junior level traditional undergraduate nursing students only. [3 credits]

NUR-305 Foundations of a Caring Profession

Builds upon previous classes in social and physical sciences, humanities, as well as lived experiences that students bring to the discipline of nursing. In this course, students are introduced to the caring profession of nursing through exploration of philosophical underpinnings, contributions from nurse theorists, and concepts of health and healing. Students develop ways of thinking and knowing, ways of being in relationships with self and others, and appreciation of providing technological care, compassion, and comfort to persons, families and communities. Through thoughtful integration of theory and reflective lived practice, students deepen understanding of the meaning of caring necessary for compassionate presence and technological skill in the art and science of professional nursing. Students are invited to a call to care and to a life-long commitment to nursing scholarship. This course has two components: theory (3 credits) and practice (2 credits). Prerequisite: Junior level traditional undergraduate nursing students only. [5 credits]

NUR-305CL Foundations of a Caring Profession Clinical

This clinical course is a component of NUR-305 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-305) Foundations of a Caring Profession.

NUR-306 Writing for Professionals

This course is designed for students to develop proficiency in information access and evaluation skills. The principles and techniques of scholarly writing along with other types of writing used by professional nurses will be introduced. Students will transform information into clear scholarly narratives. [1 credit]

NUR-307 Research in Nursing Practice

Introduces students to knowledge and skills that are essential for a consumer of nursing research. Examines use of the research process as a method to enhance scientific inquiry and to develop a knowledge base for nursing practice. Critical appraisal of both qualitative and quantitative methods in published nursing research is emphasized. Includes interpretation of basic descriptive and inferential statistics in published studies and evaluation of studies for nursing practice. Prerequisite: NUR-303 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-303). Junior level Women's College nursing students only. [3 credits]

NUR-308 Professional Nursing Care: Psychiatric/Mental Health

Provides opportunities for students to understand and care for persons who are experiencing struggles in human living and major psychiatric and mental health problems. Through directed readings, narrative writing, classroom conversations and engagement with patients in clinical settings students focus on coming to understand what it is like to live through
selected health states such as depresson, bipolar disorder, anxiety, schizophrenia,
psychoactive substance use disorders and more. Emphasis on the lived experiences of persons with psychiatric illness allows for a focus on reflective ways of 'being-with' patients that integrates knowledge of psychobiology, pharmacology, and thoughtful, competent, caring nursing practice. This course has two components: theory (2 credits)and practice (2 credits). Prerequisites: NUR-301 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-301), NUR-303 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-303), NUR-305 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-305), NUR-310 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-310). Junior level Women's College nursing students only. [4 credits]

NUR-308CL Professional Nursing Care: Psychiatric/Mental Health Clinical

This clinical course is a component of NUR-308 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-308) Professional Nursing Care: Psychiatric/Mental Health.

NUR-309 Foundations of Caring Science: Nursing Situations, Scholarly Analysis, and Calls for Justice

Explores caring science as foundational to the discipline and profession of nursing in the context of circle practice pedagogy. In this course, students have the opportunity to construct lived Nursing Situations and analyze embedded knowledge through multiple ways of knowing, theories of caring, and established professional practice standards. Calls for nursing as a practice of social justice are recognized through examination of societal and health care trends. Implications for transformational practice, education, and research are addressed and disseminated through scholarly writing and oral presentations. Students are encouraged to submit their scholarly course work to the Nancy Kreiter Research Foundation. College of Adult Undergraduate Studies Nursing majors only. First course in the RN to BSN course sequence preferred. [3 credits]

NUR-310 Pathopharmacology

Combines pathophysiology, the study of altered health status, with pharmacology, the study of medications prescribed to prevent, cure or treat pathophysiological conditions. Major health problems will be highlighted with an emphasis on caring for persons across the lifespan and their individual needs. Major drug classes and prototypical drugs are presented with specific application to nursing care within the nursing process. Junior level traditional undergraduate nursing students only. [4 credits]

NUR-311 Professional Nursing Care of the Adult I

Focuses on the integration of caring for adults experiencing commonly occurring health concerns using competencies that are directed toward health promotion, disease prevention and maintenance/restoration of health. Applying specialized knowledge, communication skills and therapeutic interventions, nursing students will develop relationships with patients/families which will foster partnerships directed toward holistic care. Beginning relationships with the intra/interdisciplinary team will be developed. This course has 2 components: theory (2 credits) and practice (2 credits). Prerequisites: NUR-301 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-301), NUR-303 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-303), NUR-305 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-305), and NUR-310 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-310). Junior level traditional undergraduate nursing students only. [4 credits]

NUR-311CL Adult Health Clinical

This clinical course is a component of NUR-311 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-311) Professional Nursing Care of the Adult I.

NUR-314 Nursing Situations in Palliative Caring

Grounded in caring science, this three-week online course focuses on promoting holistic patient and family assessment and nursing care in the context of chronic and life-limiting illness. The role of the nurse in communicating with the patient, family, and interdisciplinary team will frame an exploration of personal beliefs and practices that inform the provision of palliative care. The framework of *The Nursing Situation*, as well as the End of Life Nursing Education Consortium (ELNEC) curricular framework will guide examination of the practice of palliative care, including pain and symptom management, pharmacology and complementary alternative methodologies, ethical issues, communication, and cultural competency will all be explored. The practice of palliative care nursing, within the context of a variety of cultures and among vulnerable populations will be considered. [3 credits]

NUR-315 Advocacy, Politics and Power

This course prepares the student to critically evaluate the ethical, socioeconomic, political, legal, and power considerations influencing health care policy. An emphasis on professional values, advocacy, and political activism assists the student to become influencers in policy formation. Students will create an advocacy toolkit focused on a specific health policy, with the goal of exploring the role of the nurse in identifying, analyzing, and influencing policy at the local, state, federal and/or global levels. [3 credits]

NUR-319 Holistic Health Assessment and Nutrition Across the Lifespan for Professional Nurses

This course introduces the student to knowledge and skills essential for holistic health assessment through a lens of caring science and an emphasis on social determinants of health. The student will practice assessment and interviewing skills in the Center for Caring with Technology. The student will analyze both subjective and objective data and document findings in an appropriate format. Students will enhance their abilities to conduct a culturally sensitive assessment. Nutrition principles will be reviewed for populations across the lifespan. [5 credits]

NUR-320 Honors: Caregiving at the End of Life

Explores a variety of theories and methods for caregiving at the end of life, and is designed for both nursing and non-nursing students. The course will explore the medicalization of death, structural inequalities in access to medical care, palliative and hospice care for people facing terminal illness, and clinical dimensions of death and dying. Course will focus on contemplative practices that enable caregivers to care for themselves and provide effective support for patients and their loved ones. Course will introduce various religious and spiritual perspectives on dying, death, and the afterlife, and learn about rituals for grief and mourning. Fulfills general education requirement for 300-400 level religious studies. traditional undergraduate only. [3 credits]



NUR-400 Information Systems for Caring Practice

In this RN to BSN course, learners will explore the relationship between nurse and technology. Information systems used in nursing and healthcare and their application to patient safety and quality improvement through the lens of caring science will be introduced. Learners acquire technical skills needed for this application of patient care technologies and competency in information literacy, information management, and information management systems for safe, competent, and quality patient care. [3 credits]

NUR-408 Professional Nursing Care: Maternal and Newborn

Focuses on holistic caring of childbearing families during pregnancy, labor and delivery, post-partum as well as care of the newborn. Students learn and apply evidence-based nursing theoretical concepts in the nursing care of women, newborns, and families in a variety of environments. The course builds upon courses in social and physical sciences, humanities and professional nursing care and provides opportunities for clinical ethical reflection. This course has two components: theory (2 credits) and practice (2 credits). Prerequisites: NUR-304 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-304), NUR-311 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-311), NUR-307 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-307), NUR-308 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-308). Senior level traditional undergraduate nursing students only. [4 credits]

NUR-409 Professional Nursing Care of the Adult II

Builds on concepts from NUR-311 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-311) in caring for adults experiencing complex health concerns using competencies related to health, illness, dying and death. Nursing students will apply advanced levels of knowledge, communication and interventions as they support patients/families experiencing more severe alterations in health. Relationships with intra/interdisciplinary team members will be integrated into individual nursing practice. This course has two components: theory (2 credits) and practice (2 credits). Prerequisites: NUR-304 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-304), NUR-311 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-311), NUR-307 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-307), NUR-308 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-308). [4 credits]

NUR-411 Healthy Aging for Professional Nurses

In this course, students will explore healthy aging through the lens of caring science. The course will provide an examination of theories, trends, and research related to aging and nursing care of older adults, with an emphasis on health promotion and health disparities of aging. Students will be encouraged to become advocates for older adults within healthcare and the greater community, examining economic and policy implications that shape models of care. Students will gain knowledge that will better enable them to eliminate health disparities among older adults, and develop nursing

care strategies that improve the care and health of older adults within the acute healthcare system, institutionalized settings, and in the community. The course will also prepare students to develop nursing care strategies that promote healthy aging for individuals throughout the lifespan. [3 credits]

NUR-412 Population Health Through a Caring Lens

Grounded in caring science, this course focuses on promoting and protecting the health of the public using health promotion, risk reduction, and disease management and control strategies. Community assessment, epidemiologic, change, political action, and case-management frameworks are used to guide evidence-based nursing care delivery to persons, families, and populations in community settings. The role of social determinants of health will be explored; cultural competency, social justice, and advocacy will be discussed as strategies for the elimination of health disparities. [4 credits]

NUR-417 Professional Nursing Care: Children and Families

Focuses on caring for children and adolescents, and their families, who are experiencing physiological and psychosocial alterations in health as well as promoting health and wellness. Students engage in theory based, evidence based reflective nursing practice with children and adolescents in a variety of places to include inpatient pediatric units, outpatient clinics and home. The course builds upon courses in social and physical sciences, human growth and
development, humanities, and professional nursing care and offers opportunities to reflect on ethical issues concerning children and adolescents. This course has two components: theory (2 credits) and practice (2 credits). Prerequisites: NUR-304 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-304), NUR-311 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-311), NUR-307 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-307), NUR-308 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-308). Senior level Women's College nursing students only. [4 credits]

NUR-420 Nursing Research for Professional Nurses

This course introduces learners to knowledge and skills essential for a consumer of nursing research. It examines use of the research process as a method to enhance scientific inquiry and to develop a knowledge base for nursing practice. Critical appraisal of both qualitative and quantitative methods in published nursing research is emphasized. Research on caring will be the central theme. [3 credits]

NUR-431 Community Health Nursing

Focuses on and explores theory, concepts, and practices of community/public health nursing from a culturally sensitive perspective with an emphasis on vulnerable populations. Learners explore specific issues and societal concerns that affect public health, including healthcare needs of populations at risk. A reflection on nursing care of communities as social justice is explored. Using assigned service learning settings, learners will assess community health needs, plan health promotion and disease and injury prevention interventions through the application of selected behavioral change theories. This course has two components: Theory (3 credits) and practice (2 credits). Prerequisites: NUR-417

(https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-417), NUR-406 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-406), and NUR-409 (https://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-409). Senior level traditional undergraduate nursing students only. [5 credits]

NUR-440 Caring Nursing Leadership for Professional Nurses

This course integrates previously learned nursing knowledge and skills of caring and contemporary leadership and management theories and processes, enabling learners to define more clearly their roles as baccalaureate-prepared nurses. Learners analyze health care environment challenges of changes in focus to population health, economic realities, opportunities for continued professional development, and leadership/management challenges created by increasingly complex healthcare environments. Knowing one's-self, appreciating the diversity of the workplace and communities, caring for vulnerable and marginalized populations, and using caring science as a basis for leadership in nursing and healthcare are woven throughout the course. [3 credits]

NUR-441 Caring Approaches in Nursing Leadership and Practice

This course integrates the role of nursing leadership within the context of contemporary issues and challenges of the healthcare system and professional nursing practice. Students will draw on theories of nursing and leadership to gain a working knowledge of organizational behavior, evidenced-based practice, and professional standards with practical applications for the workplace. The knowledge gained will allow students to analyze the implications of professional nursing practice in an evolving healthcare system. Prerequisites: All 300-level courses. Senior level students only. [4 credits]

NUR-450 Capstone Experience

Building on previous learning in the curriculum and blending with leadership experiences, students will use the lens of caring science to analyze their current way of being with patients, colleagues, employers and the community at large. Being present in these relationships, students will use scholarship to investigate an area where relationships or processes could be improved with a focus on self-care, quality and/or safety. Each student will design a project that, if implemented, could improve praxis and advocate for change in the workplace. Using leadership skills, the student will determine the best way to communicate the proposed project. Reflective practice will be used throughout the course to focus on the program outcomes of presence, praxis, advocacy, scholarship, self-care, and leadership as it relates to their project. [2 credits]

NUR-461 Clinical Practicum

This course engages students in a comprehensive clinical practice with patients in one of a variety of practice settings. Opportunities are provided for students to assume responsibility, in the context of theory-based, evidence-based reflective practice, for the holistic care of assigned patients in a select health care setting. With the guidance of a preceptor who is on staff in the facility, the student collaborates with all members of the health care team in the planning and care of her patients and

transitions from nursing student to entry-level professional nurse. Practice settings include, but are not limited to, care of persons in emergency departments, medical-surgical units, homeless shelters, outpatient clinics, critical care units, and labor and delivery units. The focus of the practicum is on intentionally bringing together knowledge and understanding of pathophysiology, social justice, ways of being in care with persons, families and communities. A final, clinically-based culminating project is completed in the practicum setting and presented in symposium format at the end of the course. The student will complete intensive preparation for the National Council Licensing Exam (NCLEX) throughout the course. 6 credits: 30 theory hours and 180 clinical hours. Prerequisites: All 3rd semester clinical courses: Professional Nursing Care of the Adult II, Professional Nursing Care: Children and Families; Professional Nursing Care: Maternal Newborn. Co-requisites: Community Health; Caring Approaches in Nursing Leadership and Practice. [6 credits]

Notre Dame of Maryland University
(http://www.ndm.edu/)
4701 North Charles Street
Baltimore, Maryland 21210

410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.0,0.0&z=15)

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(http://www.ndm.edu/about/human-resources/)

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(http://www.facebook.com/NotreDameOfMaryland)

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RN to BSN

Nursing Department
Kathleen Wisser, PhD, RN, CNE, *Dean, School of Nursing*
Jeanie Anastasi, MSN, RN, Assistant Director, Center for Caring with Technology
Diana Baker, MSN,RN
Jane Balkam, PhD, APRN, CPNP, IBCLC
Katelyn Barley, DNP, RN, CCRN, CNE, Director, Entry-Level Nursing Programs
Tina Bloom, PhD, MPH, RN, Francis K. Pitts '96 Endowed Chair for Leadership in Women's and Children's Health
Rachel Crowe, DNP, RN, CPNP-AC, Director, Graduate Programs
Kathryn Handy, DNP, RN, CNE, Associate Dean
Bernice Horton-Gee, DNP, RN, WHNP-BC
Zane Hunter, AA, Simulation and Technology Specialist
Lisa Lorden, PhD, MS, CRNP, ACNP-BC, PMHNP-BC
Maria Marzi, Academic Success and Advising Professional II
Mary Packard, PhD, RN
Amy Rohrs, BS, Dean's Assistant and Clinical Placement Coordinator
Jenell Steele, MSN, RN
Melissa Wengler, Academic Success and Advising Professional I

Degrees offered

Major

Campuses

Main Campus

The School of Nursing offers a RN to BSN (Bachelor of Science in Nursing) program to students admitted through the College of Adult Undergraduate Studies. Designed for practicing registered nurses, the program challenges women and men to strive for intellectual and professional excellence, to build inclusive communities, to engage in service to others and to promote social responsibility.

Summary

The RN to BSN program of study builds on registered nurses' prior education and clinical experiences and prepares them for the challenges and opportunities of the contemporary health care environment. Through Notre Dame's innovative curriculum, RN professional opportunities are expanded in as few as two and a half years of part-time study, or one year of full-time study.

The Bachelor of Science program is approved by the Maryland Board of Nursing and is accredited by the Commission on Collegiate Nursing Education (655 K Street, NW, Suite 750, Washington, DC 20001; Phone: 202-887-6791).

Notre Dame's RN to BSN program is offered through an accelerated format. Students begin their program of study with an upper-level nursing course designed to assist students with the transition to baccalaureate nursing education and explore caring science as foundational to the discipline and profession of nursing. Students must complete a minimum of 120 credits and all University and Nursing requirements to earn the Bachelor of Science degree. The curriculum requires the following credits: 21 general education credits, 18 departmental requirement credits, and 30 upper-level nursing credits earned at Notre Dame. Students may transfer up to 68 credits, in addition to receiving 30 extra credits per the Maryland Nursing Education Articulation Model.

Students can choose between 100% online delivery format for the program, or a traditional face-to-face format. In the online delivery format, courses are delivered asynchronously online. In the face-to-face format, students meet weekly in person for generally four hours, on the same day of the week, with some remote/online class sessions.

Maryland Nursing Education Articulation Model

Notre Dame of Maryland University is a participant in the Maryland Nursing Education Articulation Model.

All registered nurses admitted to the University will enter under the terms of this model, as they apply to Notre Dame of Maryland University's Nursing Program.

All registered nurses (RNs) or students who plan to take NCLEX-RN for licensure will enter under the following terms:

- A maximum of 68 credits will be accepted in transfer;
- No community college nursing course credits will be transferred;
- All RNs with an active license in Maryland or a compact state will be granted 30 upper-level Nursing credits per the Maryland Nursing Education Articulation Model; and,
- RNs will complete the remaining 30 upper-level nursing credits and any additional program requirements through Notre Dame of Maryland University.

Credits Needed from Notre Dame

A minimum of 30 earned credits from Notre Dame of Maryland University is required for graduation. The final 30 credits for the degree must be earned at Notre Dame of Maryland University.

Specific course requirements for the RN to BSN program include:

General Education requirements (21 Credits)*

200-level Philosophy (3)
200-level Religious Studies (3)
300/400-level Religious Studies (3)
English Composition (3)
Literature (3)
History (3)
Math (Basic Statistics) (3)

**The General Education Requirements for Natural and Social Sciences are part of the School of Nursing requirements.*

Please Note: Students who have earned an Associate Degree prior to admission to the University are exempt from the Gender and Cross-cultural requirement. However, most students will need to complete the upper-level Religious Studies course at NDMU in order to fulfill General Education Requirements.

Departmental Requirements for the Nursing Major (18 credits)

Core

Human Anatomy & Physiology (6-8)*
Microbiology (3-4)*
Introduction to Psychology** (3)

Human Growth & Development ** (3)
Introduction to Sociology (3)

*Lab Required
**Challenge Exam Available

Upper-level Nursing credits from an Associate Degree or diploma program granted through Maryland Nursing Education Articulation Model (30 credits)

Upper-level Nursing courses at Notre Dame (30 credits)

NUR-306 (http://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-306) Writing for Professionals (1)
NUR-309 (http://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-309) Foundations of Caring Science: Nursing Situations, Scholarly Analysis, and Calls for Justice (3
NUR-319 (http://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-319) Holistic Health Assessment & Nutrition Across the Lifespan for Professional Nurses (5)
NUR-400 (http://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-400) Information Systems for Caring Practice (3)
NUR-411 (http://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-411) Healthy Aging for Professional Nurses (3)
NUR-412 (http://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-412) Population Health through a Caring Lens (4)
NUR-420 (http://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-420) Nursing Research for Professional Nurses (3)
NUR-440 (http://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-440) Caring Nursing Leadership for Professional Nurses (3)
NUR-450 (http://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-450) Capstone Experience (2)

One Nursing Elective:

NUR-314 (http://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-314) Nursing Situations in Palliative Caring (3) or
NUR-315 (http://catalog.ndm.edu/courses/list/index.php?dept=NUR#NUR-315) Advocacy, Politics and Power (3)

International/Study Abroad Opportunities

Special topics focused on nursing practice may be taken in partial fulfillment of select nursing courses. Contact the School of Nursing at 410-532-5526 for more information.

Licensure

Students may start the RN to BSN program of study at Notre Dame without a RN license. However, students must have an **active,** unencumbered Maryland or compact RN license before enrolling in Notre Dame coursework that incorporates experiential learning components with Notre Dame's practice partners, *and/or* a designated capstone course.

Policies

In addition to the policies and procedures in this Catalog, all students are responsible for the policies and procedures in the current *School of Nursing RN to BSN Student Handbook* that is located on the School of Nursing homepage under Resources. (file:///C:/Users/SPrice/AppData/Local/Microsoft/Windows/INetCache/Content.Outlook/8M2KNN65/RN%20to%20BSN%20Catalog%202021-2022%203.22.2021.docx#_msocom_1)

Courses

NUR-306 Writing for Professionals

This course is designed for students to develop proficiency in information access and evaluation skills. The principles and techniques of scholarly writing along with other types of writing used by professional nurses will be introduced. Students will transform information into clear scholarly narratives. [1 credit]

NUR-309 Foundations of Caring Science: Nursing Situations, Scholarly Analysis, and Calls for Justice

Explores caring science as foundational to the discipline and profession of nursing in the context of circle practice pedagogy. In this course, students have the opportunity to construct lived Nursing Situations and analyze embedded knowledge through multiple ways of knowing, theories of caring, and established professional practice standards. Calls for nursing as a practice of social justice are recognized through examination of societal and health care trends. Implications for transformational practice, education, and research are addressed and disseminated through scholarly writing and oral presentations. Students are encouraged to submit their scholarly course work to the Nancy Kreiter Research Foundation. College of Adult Undergraduate Studies Nursing majors only. First course in the RN to BSN course sequence preferred. [3 credits]

NUR-314 Nursing Situations in Palliative Caring

Grounded in caring science, this three-week online course focuses on promoting holistic patient and family assessment and nursing care in the context of chronic and life-limiting illness. The role of the nurse in communicating with the patient, family, and interdisciplinary team will frame an exploration of personal beliefs and practices that inform the provision of palliative care. The framework of *The Nursing Situation*, as well as the End of Life Nursing Education Consortium (ELNEC) curricular framework will guide examination of the practice of palliative care, including pain and symptom management, pharmacology and complementary alternative methodologies, ethical issues, communication, and cultural competency will all be explored. The practice of palliative care nursing, within the context of a variety of cultures and among vulnerable populations will be considered. [3 credits]

NUR-315 Advocacy, Politics and Power

This course prepares the student to critically evaluate the ethical, socioeconomic, political, legal, and power considerations influencing health care policy. An emphasis on professional values, advocacy, and political activism assists the student to become influencers in policy formation. Students will create an advocacy toolkit focused on a specific health policy, with the goal of exploring the role of the nurse in identifying, analyzing, and influencing policy at the local, state, federal and/or global levels. [3 credits]

NUR-319 Holistic Health Assessment and Nutrition Across the Lifespan for Professional Nurses

This course introduces the student to knowledge and skills essential for holistic health assessment through a lens of caring science and an emphasis on social determinants of health. The student will practice assessment and interviewing skills in the Center for Caring with Technology. The student will analyze both subjective and objective data and document findings in an appropriate format. Students will enhance their abilities to conduct a culturally sensitive assessment. Nutrition principles will be reviewed for populations across the lifespan. [5 credits]

NUR-400 Information Systems for Caring Practice

In this RN to BSN course, learners will explore the relationship between nurse and technology. Information systems used in nursing and healthcare and their application to patient safety and quality improvement through the lens of caring science will be introduced. Learners acquire technical skills needed for this application of patient care technologies and competency in information literacy, information management, and information management systems for safe, competent, and quality patient care. [3 credits]

NUR-411 Healthy Aging for Professional Nurses

In this course, students will explore healthy aging through the lens of caring science. The course will provide an examination of theories, trends, and research related to aging and nursing care of older adults, with an emphasis on health promotion and health disparities of aging. Students will be encouraged to become advocates for older adults within healthcare and the greater community, examining economic and policy implications that shape models of care. Students will gain knowledge that will better enable them to eliminate health disparities among older adults, and develop nursing care strategies that improve the care and health of older adults within the acute healthcare system, institutionalized settings, and in the community. The course will also prepare students to develop nursing care strategies that promote healthy aging for individuals throughout the lifespan. [3 credits]

NUR-412 Population Health Through a Caring Lens

Grounded in caring science, this course focuses on promoting and protecting the health of the public using health promotion, risk reduction, and disease management and control strategies. Community assessment, epidemiologic, change, political action, and case-management frameworks are used to guide evidence-based nursing care delivery to persons, families, and populations in community settings. The role of social determinants of health will be explored; cultural competency, social justice, and advocacy will be discussed as strategies for the elimination of health disparities. [4 credits]

NUR-420 Nursing Research for Professional Nurses

This course introduces learners to knowledge and skills essential for a consumer of nursing research. It examines use of the research process as a method to enhance scientific inquiry and to develop a knowledge base for nursing practice. Critical appraisal of both qualitative and quantitative methods in published nursing research is emphasized. Research on caring will be the central theme. [3 credits]

NUR-440 Caring Nursing Leadership for Professional Nurses

This course integrates previously learned nursing knowledge and skills of caring and contemporary leadership and management theories and processes, enabling learners to define more clearly their roles as baccalaureate-prepared nurses. Learners analyze health care environment challenges of changes in focus to population health, economic realities, opportunities for continued professional development, and leadership/management challenges created by increasingly complex healthcare environments. Knowing one's-self, appreciating the diversity of the workplace and communities, caring for vulnerable and marginalized populations, and using caring science as a basis for leadership in nursing and healthcare are woven throughout the course. [3 credits]

Notre Dame of Maryland University (http://www.ndm.edu/)
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410-435-0100 (tel:4104350100)
Map It (http://maps.google.com/maps/place?hl=en&cid=2682063356693599067&ie=UTF8&ll=39.362506,-76.636076&spn=0.082,0.154)

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Special Academic Programs

The Elizabeth Morrissy Honors Program
The Transformational Leaders Program
Student Designed Major

The Elizabeth Morrissy Honors Program

Jeana DelRosso, Ph.D., *Director*

Learn to Live

The Elizabeth Morrissy Honors Program is designed to meet the needs and interests of Women's College students of outstanding academic ability and high motivation. The goal is to provide opportunities for students to experience the same challenge and excitement in education that Elizabeth Morrissy encouraged throughout her distinguished 40-year career as a professor of History, Political Science and Economics at the Notre Dame.

Morrissy courses are designed to create small learning communities of scholars exploring a topic together and enjoying the pleasure of mutual discovery and intellectual stimulation. Some courses are offered within specific disciplines and may meet general education requirements. Other courses are interdisciplinary and become electives within the student's Program of Study. Drawn from a variety of departments, Morrissy courses promote the integration of knowledge

which offers new insights into students' learning. This integration is often accomplished by two professors teaching together to provide perspectives from different disciplines and to enrich the experience of all. Through the Program's research, internship, service, leadership and collaborative opportunities, students are empowered to use their knowledge to improve the quality of their lives and the lives of others.

Students become Morrissy scholars by application or invitation. Students applying for admission to Notre Dame may apply for admission to the Morrissy Honors Program. The Morrissy Honors Council reviews the records of those applicants and of other incoming first-year students to prepare a cohort of potential scholars. In addition to selection at entrance, each semester the director of the Morrissy Program asks for recommendations from the faculty for other potential scholars to be considered for invitation into the program.

Students must register for at least one honors course per year and take six honors courses during their four years at the University. Those who are enrolled in "3/2" programs with other institutions or who spend a semester or year studying overseas need to complete a minimum of 5 honors courses. Transfer students from an honors program may transfer nine honors credits. Transfer students with an AA degree from a community college without an honors program need to complete a minimum of 4 honors courses. Three credits of honors work may be taken as an independent study with the approval of the sponsoring faculty member and the Morrissy director. Students are expected to maintain a 3.3 overall average and a B average in honors courses to remain in the program. Honors courses cannot be taken on a pass/fail basis. The director reviews the records of Morrissy scholars at the end of each semester.

Morrissy scholars receive recognition in various ways. Honors courses are so designated on student transcripts. Completion of the program is noted on scholars' final transcripts and diplomas and in the Commencement program. Students in the Morrissy Program are also recognized publicly at Notre Dame's annual Honors Convocation. Students in the Program enjoy the special benefits of the Mildred Otenasek Honors House, which stands as a symbol of the Program and serves as a gathering place for social, academic, and program activities.

In addition to special courses, Morrissy scholars have access to a variety of honors activities. Each semester, the director hosts a dinner for Morrissy scholars and honors faculty. Each year, the Honors Program sponsors off-campus trips to museums and performing arts events. Morrissy scholars often serve the University during programs planned for prospective students visiting campus as well as at lecture series or cultural events offered for the Notre Dame community and the general public. Members of the Morrissy Honors Student Executive Board assist the Morrissy director in making plans for the program.

The Elizabeth Morrissy Honors Program maintains memberships in the National Collegiate Honors Council, the Northeast Regional Honors Council, and the Maryland Collegiate Honors Council. Morrissy scholars regularly participate in honors conferences through poster and paper



presentations.

Honors Course Descriptions

ART-279 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-279) Honors: Concepts in Visual Aesthetics

Introduces new ideas and concepts stemming from a particular period and/or movement in society, becoming the "fireworks" that stir the artistic spirit to react to those ideas consciously, vibrantly, intuitively and with unique creativity. This class will use audio-visuals, readings and shared dialog to examine works of art and varied aesthetic concepts. It will address the artist as a gendered translator of history, as a visionary, and as a social documentarian within the context of significant periods in Western art. Prerequisite: Morrissy scholar or permission. Fulfills the general education requirement in fine arts. [3 credits]

BIO-108 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-108) Honors: Natural History

Examines the contributions made by natural historians over the past 200 years, including Charles Darwin, Konrad Lorenz and Stephen Jay Gould. Readings and discussions will focus on topics including mechanisms of evolution, the fossil record and animal domestication. Students will consider how natural history has contributed extensively to theories of biological evolution. Prerequisite: Morrissy scholar or permission. [3 credits]

BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) Honors: Genetics

Meets concurrently with and considers the same subject matter as BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) (non-Honors). Honors students meet for one hour extra per week to concentrate on the historical and social aspects of genetics. Four hours lecture and three hours laboratory. Prerequisites: BIO-111 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-111) and CHM-110 (https://catalog.ndm.edu/courses/list/index.php?dept=CHM#CHM-110) with a minimum grade of C. [4 credits]

BIO-308 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-308) Honors: Geology and Ecology of the American West

Focuses on the basic concepts of plate tectonics and applies them to the geological events that shaped the American West. Focuses on the relationships between the plants and animals of the American West and their environment. Develops connections between the geology and ecology of the area. Integrates current ecological problems of the area such as water regulation, mining and logging. Lecture and laboratory are integrated into three two-hour sessions. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in natural science. Designed for non-science majors. [4 credits]

COM-329 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-329) Honors: Women in Mass Communication History

Engages students in an historical-critical study of the role of women in the communication fields of broadcasting, journalism, public relations and advertising. Surveys their contributions as practitioners and the challenges they have met as part of the professional media culture. Offers opportunities to meet women working in the media and to participate in an oral history project. Fulfills general education requirement in history and gender studies. [3 credits]

ECO-220 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-220) Honors: Economics and Contemporary Issues

Applies economic principles and methodologies to the decision-making process of individuals, businesses and governments. Evaluates current political, social and economic events using basic economic theories and principles. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in social science. [3 credits]

ECO-330 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-330) Honors: Food Safety Risk Analysis

Analyzes the extent and significance of food-borne diseases in the United States and around the world. Examines the most important hazards to food safety, including food additives and pesticides, microbial hazards, irradiation, and food defense as well as science-based solutions to their management. Considers the interdisciplinary risk analysis paradigm as a modern approach to food safety systems in considerable detail. Prerequisite: Morrissy scholar or permission. [3 credits]

ENG-251 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-251) Honors: Ethnic American Literature

Examines works by writers of different ethnic groups in 20th century America, with emphasis on African-American, Asian-American, Jewish-American, Native-American and Latino/a writings. The course will provide interdisciplinary approaches to literature; readings will come from several literary genres, including novels, short stories and poetry, but students will also read theory and criticism relevant to recent work in ethnic studies. The course will teach students to read and write about literature, and it will introduce many of the important works of 20th century American minority literature. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in literature and cross-cultural studies. [3 credits]

ENG-313 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-313) Honors: Thomas Hardy: Novelist and Poet

Provides an in-depth study of English writer Thomas Hardy (1840-1928). Hardy is known as a Victorian novelist and a modern poet; his work thus crosses literary (generic) and historical boundaries. Students will read selected novels and poems as we trace Hardy's career and examine literary topics such as serial publication, the circulating library, and censorship, along

with themes such as the Victorian "Woman Question," the part-real, part-invented land of Wessex, social class, law, and the "ache of modernism" in his later novels. Students will engage in primary (letters, notebooks, etc.) and secondary (critical) research as they explore these and other topics in two research projects during the semester. The course emphasizes the process of writing a research paper. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in literature. [3 credits]

ENG-324 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-324) Honors: The Irish "Troubles": Literature, History and Film

Examines, from a variety of perspectives, the Irish "Troubles," that is, the violent political conflicts between Irish and English in the early 20th century and between Catholics and Protestants in Northern Ireland in the late 20th century. Explores literary and cinematic treatments of the conflict and compares them with historical accounts in order to arrive at a better understanding of the "Troubles." Students will discuss the treatment of the "Troubles" in the plays of Sean O'Casey and Brian Friel, the poetry of W.B. Yeats and Seamus Heaney, the fiction of Frank O'Connor, Liam O'Flaherty, Eugene McCabe and others, and the memoir, *Guerilla Days in Ireland* by Tom Barry. Students will also view several films, including "Michael Collins" and "Bloody Sunday." Prerequisite: Morrissy scholar or permission. [3 credits]

ENG-347 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-347) Honors: "New Woman" Literature

This course will examine selections from the body of writing known as New Woman literature in England during the 1880s and 1890s, along with selected works from American and European writers. New Woman novels, essays, and plays address what was called "the Woman Question" and its primary issues, e.g., women's independence, the "nature" of women, women's roles and responsibilities, the effects of women's independence, sexual relations and gender differences. The course will follow the development of the New Woman character and will examine common conflicts and themes among the various representative works. Prerequisite: Morrissy scholar or permission. Fulfills General Education requirement in literature. [3 credits]

ENG-360 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-360) Honors: Geek Lit

Epithets such as geeks, dorks, nerds, and dweebs were once pejorative labels designed to stigmatize individuals. With the rise of the digital age, however, some people have self-selected identification in these categories, developing a distinctive subculture. But is there an identifiable geek literary culture? Is there a geek canon? We will consider themes of escapism, social alienation, intellectual superiority, conspicuous consumption, and the effect of technology on human nature in a series of texts often associated with the geek. Authors studied in this class may include J.K. Rowling, J.R.R. Tolkien, Neal Stephenson, Douglas Adams, Harlan Ellison, Neil Gaiman, and Allan Moore, among others. Our texts will extend into non-print media, including digital and Internet phenomena. We will be investigating these texts with the same scholarly

rigor and intensity with which we would consider any body of literature. Thus, this course is suitable for geeks themselves as well as the geek-curious. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in literature. [3 credits]

ENG-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-440)
Honors: Women and/as Monsters in Literature and Culture
Women's writings, as well as women writers themselves, have historically been viewed as "monstrous"; this course investigates the notion of monstrous women, as well as women writing about monsters, by examining both female- and male-authored, canonical and non-canonical texts, primarily but not exclusively from the past two centuries. We will investigate some of the following questions: What is the connection between women and monsters in literature? In what ways, and why, has women's writing been considered monstrous? How do issues of gender, race, class, ethnicity, nationality, disability, and sexual orientation affect the literary connection between women and monsters? Who is included in and excluded from a society, what makes one human, what is natural and unnatural, and what do particular monsters show about the societies and cultures that describe them, define them, fear them? Writers studied may include Charlotte Brontë, Octavia Butler, Angela Carter, Henry James, Toni Morrison, Marge Piercy, and Mary Wollstonecraft Shelley. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in literature and gender studies. [3 credits]

HIS-200 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-200) Honors: The Age of Genocide
Examines the nature, causes, and consequences of genocide in order to understand the possibilities and challenges of preventing genocidal violence in the future. The course introduces students to the controversies surrounding the definition and analysis of genocide. It begins with the contested question of what constitutes genocide, and how genocide stands apart from other forms of mass violence such as ethnic cleansing and massacres. The course then considers several approaches to theorizing the causes of genocide. In addition, we analyze the challenges of identifying potentially genocidal situations before the killing begins and of intervening to prevent and stop genocides. The course also studies processes of reconciliation in societies that have experienced, or teetered on the brink of, genocide. Using scholarly texts, works of fiction, and films, we explore issues of causation, intervention, and healing in cases including the colonial genocides of indigenous populations, the Holocaust, Rwanda, Cambodia, Bosnia, Kosovo, the Iraqi Kurds, and Darfur. Ultimately, the course asks students to decide whether genocide is an inevitable scourge of the human condition or a tragic aberration that humanity has the power to transcend. Prerequisite: Morrissy scholar or permission. Fulfills General Education requirement in history. [3 credits]

HIS-231 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-231) Honors: Traditional Japan through Literature and Art
Introduces students to pre-modern Japan (ca. 600-1800 CE) by means of highly evocative

literature in excellent English translations. Approaches these readings as reflections of successive historical eras, as literature of universal appeal, and as examples of the development of Japanese aesthetics. Prerequisite: Morrissy scholar or permission. Fulfills general education requirements in history and cross-cultural studies. [3 credits]

HIS-352 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-352) Honors: Educating Women in the United States

Examines women's education from the colonial period through the mid-20th century. Pays particular attention to the contributions of key educators and on the ways race, class, ethnicity and gender shaped decisions about who was to be educated, by whom, and for what purpose. Assesses contemporary issues in women's education. Prerequisite: Morrissy scholar or permission. Fulfills the general education requirements in history and gender studies. [3 credits]

HIS-370 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-370) Honors: The City in History

Considers the reality that, before 1800, most people everywhere lived in rural villages or small towns, in a world of long-familiar faces. More recently, many have lived in cities of more than one million in population in what one sociologist calls a "world of strangers." What difference does it make? How does society control individuals in a big city? How do individuals experience urban life? Social scientists have long debated these questions, and the course examines the major answers that they have proposed. It also considers the implications of those answers for the solution of today's city problems. Prerequisite: Morrissy scholar or permission. Fulfills general education requirements in history and cross-cultural studies. [3 credits]

HIS-373 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-373) Honors: The Exploding Society: United States, 1950 to the present

Explores the quantitative and qualitative explosion in the United States after 1950. Considers rapid demographic movement, economic growth, dramatic social change and expanded international responsibilities. Considers post-Watergate disillusionment. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in history. [3 credits]

HIS-402 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-402) Honors: Women, War and Peace

Examines the wartime experiences of women in Europe, the United States and Asia. Addresses question of how perceptions of women and "female nature" inform attitudes about women's wartime roles. Uses historical monographs, literature, art and film to examine and evaluate the relationship between war and gende Also assesses women's role in the international peace movement. Prerequisite: Morrissy scholar or permission. Fulfills general education requirements in history and gender studies. [3 credits].

NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100)

Honors: First Year Seminar

Provides a comprehensive view of related topics defining the college experience. Explores through readings, films and discussion such topics as personal culture, educational culture, cultural diversity and lifelong learning. For first-year Women's College students and transfer students with fewer than twelve (12) credits. Prerequisite: Morrissy scholar or permission. Fulfills ENG-101 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-101) writing requirement. [3 credits]

IDS-172 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-172) Honors: The Axial Age: Philosophy of East and West

Considers the new ways of thought that emerged in the ancient Near East, Greece, India and China during the first millennium B.C. ("the axial age"). Thinkers reconsidered basic areas of concern—the transcendent, human nature, the family, society, government, knowledge, the past and death—in relation to the pre-existing culture. For example, this re-interpretation of tradition led to the rise of Biblical Judaism in the Near East; classical philosophy in Greece; the Upanishads and Buddhism in India; and Confucianism and Daoism in China. In this seminar, students discuss the thought of the "axial age," compare ideas across civilizations and learn how to write philosophical essays. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in lower-level philosophy. [3 credits]

IDS-231 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-231) Honors: The Science of Science Fiction

Considers science fiction as a literature of ideas—the ideas of modern science. Selects contemporary science fiction writers and film makers in order to gain a perspective on the development of a fiction of scientific ideas and a prophecy of future technological change. Employs reading, film and the campus planetarium. Prerequisite: Morrissy scholar or permission. [3 credits]

IDS-271 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-271) Honors: Romanticism: The Beautiful Infinite

Analyzes seminal works of the 19th century Romantic movement in the fields of art and music. The relatedness of the two forms is revealed through discovery of common themes running through works of the Romantic period—the emancipation of the individual, the love of nature, nationalism, and fondness for the fantastic and the exotic. Common qualities of expression found among the two art forms during the period also emerge, providing a holistic sense of the intellectual and artistic atmosphere of the times. Opportunities for visits to museums, concerts, and theatre or opera performances are provided. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in fine arts. [3 credits]



IDS-369 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-369) Honors: Genethics

Provides students with the opportunity to understand and evaluate various religious and philosophical positions and arguments on a range of contemporary moral issues related to biotechnology. Explores the science of genetics and its application to the fields of biology, technology and medicine. Examines selected topics in the ethics of genetic testing, research, drugs and therapy. Prerequisite: Morrissy scholar or permission and RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements for upper-level religious studies and values. [3 credits]

IDS-373 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-373) Cosmos and Creation: Religion and Science

Explores the relationship between religion and science as bodies of knowledge, modes of inquiry, and ways of knowing. Examines the complex history of science and religion as social institutions in various degrees of cooperation and tension. Areas of inquiry will include theology, spirituality, scientific theories, and philosophy of science, as well as the intersection of these areas at key historical moments such as the Copernican revolution, natural selection, and the development of quantum physics. Prerequisite: RST 201. Fulfills general education requirement for upper-level religious studies. [3 credits]

IDS-378 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-378) Honors: The Holocaust

Explores the roots of anti-Semitism and the rise to power of the Nazis. Considers the development of the German policies toward the Jews, from economic discrimination to planned extermination, the fate of Jews in various countries under German control, and the possibility of resistance and opportunities for rescue. Prerequisite: Morrissy scholar or permission. [3 credits]

IDS-471 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-471) Honors: Politics and Ethics of War and Peace

Explores war and peace through an examination of historical conflicts, social science explanations, ethical positions and alternative peace proposals. Considers 20th century conflicts and alternative explanations of war, and the individual, state and international levels. Compares and contrasts ethical positions from several religious and philosophical traditions. Prerequisite: Morrissy scholar or permission and RST-201 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-201). Fulfills general education requirements in upper-level religious studies, values, and history. [3 credits]

IDS-479 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-479) Honors: Philosophy through Literature

Takes a fresh look at traditional philosophical problems using classic philosophical texts and literary works that deal with common issues. Considers the questions: What is self? Is there an

answer to the problem of evil? Are our actions free or determined? Are there any objective moral values? Is the material world real? Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in upper-level philosophy. [3 credits]

LCO-378 (https://catalog.ndm.edu/courses/list/index.php?dept=LCO#LCO-378) Honors: From Homer to *Star Wars*: The Epic Tradition in Western Literature
Traces the evolution of the epic as a literary genre transcending national and cultural boundaries. Epics from Homer and Virgil through the romance epics will be analyzed, culminating in a study of epic characteristics in Star Wars. Prerequisite: Morrissy scholar or permission. [3 credits]

MUS-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-243) Honors: A Musical Mosaic
Focuses on representative musical compositions and related works of art in Western and non-Western cultures. An exploration of the varied elements which, through individual creativity, hold parts (not always compatible) together to form the sound structure that becomes the mosaic that is music. Develops the aural sense of formal structure and the visual sense of sound. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in fine arts. [3 credits]

PHL-301 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-301) Honors: The Mind-Body Problem
Introduces students to the problematic nature of the statement "our minds control our bodies." Identifies the philosophical and psychological assumptions underlying this statement. Examines the contradictions and unrecognized implications of these assumptions. Explores alternative accounts of what is known, in philosophy and psychology, as mind-body interaction, including accounts that deny the existence of mind, and/or provides alternative models. Prerequisites: IDS-172 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-172) or PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201) and PSY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-101). Fulfills general education requirement in philosophy. [3 credits]

PHL-376 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-376) Honors: Human Flourishing
Requires students to examine, in a seminar format, the representations of human flourishing presented in Ancient philosophy and literature. Ancient texts, such as Homer's *Odyssey*, Plato's dialogues, Aristotle's Nicomachean Ethics, and Greek tragedies present myriad understandings of the relationship between moral goodness, luck, and human flourishing. These topics will be studied with a focus on primary texts, hand in hand with contemporary philosophical writings on relevant themes. Prerequisite: Morrissy Scholar or permission and 200-level PHL course. Fulfills general education requirement in upper-level philosophy. [3 credits]

PHL-471 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-471) Honors: Morals and Mortality: Ethics of Exiting

Considers the structure and foundations of morality with special emphasis on ethical problems related to death and dying. Prerequisite: PHL-201 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-201), Morrissy scholar or permission. Fulfills general education requirement in upper-level philosophy and values. [3 credits]

PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101), 102 Honors: General Physics I, II

Studies the fundamental physical laws of nature and their use in understanding natural phenomena. Provides a knowledge base for study in all the sciences and applications in mathematics. Topics include mechanics, acoustics, optics, electricity and magnetism. Three lectures, one three-hour laboratory weekly. Pre-requisite: Morrissy scholar or permission. Fulfills general education requirement in natural science. [4 credits each semester]

POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Honors: Model OAS

Prepares students to participate in the Model Organization of American States (Model OAS) competition, which takes place at OAS headquarters in Washington, D.C. in the spring. A team of 10 Notre Dame students, representing an assigned country, debates other colleges and universities from the United States, Latin America and the Caribbean on issues such as democratization, regional integration, poverty, environmental problems and human rights issues. In addition to becoming familiar with hemispheric issues, students learn leadership, cooperation, persuasion and diplomatic skills. Prerequisite: Morrissy scholar and permission. Fulfills general education requirement in social science and cross-cultural studies. [3 credits]

PSY-371 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-371) Women and her Symbols

Explores symbols and symbolism related to women through interdisciplinary lenses of psychology, philosophy, literature, politics, sociology, religious and cultural traditions, and art. Students will critically examine, analyze, and discuss the use of symbols in understanding women from psychological and spiritual perspectives. The use of symbols will be explored through theories, scientific evidence, cultural and religious rituals, art, and literature. Students will complete an integrative project. Prerequisite: Morrissy Scholar or permission from instructor and Morrissy Program Director. Fulfills general education requirement in social science and cross-cultural studies. [3 credits]

RST-471 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-471) Honors: Theological Investigations

Engages students in the exploration of current scholarship about a person, event or topic of

religious or theological significance. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement for upper-level religious studies. [3 credits]

PSY/SOC-271 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-271)
Honors: Psychology and Sociology of Gender Roles
An analysis of the social sources and psychological mechanisms that shape gender role differentiation. Special attention will be given to the political, ideological behavior and social construction of gender Historical and cross-cultural data will be used to demonstrate patterns of inequality. The psychological and social impact of gender inequality will be examined. Prerequisite: Morrissy scholar or permission. Fulfills general education requirement in social science. [3 credits]

SOC-371 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-371) Honors: Social Problems
Considers how social conditions come to be defined as social problems. Reviews causes and theoretical explanations for their origins and possible interventions to resolve social problems. Topics include substance abuse, family violence, environmental issues, discrimination, crime and terrorism. Prerequisite: Morrissy scholar or permission. [3 credits]

Back to top

The Transformational Leaders Program

Anne Ellen Henderson, Ph.D., *Coordinator*

The Transformational Leaders Program is offered to students in the Women's College. It embodies the University's commitment to the mission of its founders, the School Sisters of Notre Dame, to educate women to transform the world. The Transformational Leaders Program prepares students to be catalysts for positive social change. Through a combination of interdisciplinary coursework, internship and service learning experiences, international study opportunities, and professional development activities, students gain the expertise to become leaders who make change happen. Students in the Transformational Leaders Program earn a certificate in Leadership and Social Change. The Program can be combined with any Major, and is designed to complement a variety of Programs of Study.

Students begin the Transformational Leaders Program by completing a one-credit Emerging Leaders Lab, generally during their first year. This course builds students' project management skills and teamwork capabilities through service initiatives. The Program continues with IDS-200 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-200), Foundations of Leadership, which combines theoretical analysis of leadership with practical leadership-building experience. From approved options, students also select three discipline-based courses related to change-oriented leadership. Students participate in an internationally-oriented Professional Connections

Experience designed to strengthen their global perspectives, enhance their understanding of cultural diversity, and provide hands-on career development opportunities. The Professional Connections Experience involves six credit hours of study abroad or service learning in a multinational or multicultural organization. The Program culminates in a capstone leadership seminar, IDS-410 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-410), which integrates academic research with a social change project. During the Program, students are also invited to participate in professional networking and workshop activities to help them build the contacts and the expertise relevant to their particular leadership interests.

As part of the Transformational Leaders Program, students develop leadership portfolios which, along with the record of their academic achievements, serve to demonstrate their development as leaders. Students' leadership portfolios are submitted to the program coordinator in their senior year. Portfolios must be approved for seniors to receive the Leadership and Social Change Certificate.

Program of Study

(Consult the program coordinator for the latest information on approved courses)

Required Courses (Credits)

IDS-100L (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-100L) Emerging Leaders Lab (1)

IDS-200 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-200) Foundations of Leadership (3)

IDS-410 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-410) Seminar: Leadership and Social Change. (3)

Off-campus experience: study abroad or service learning in a multinational or multicultural organization (6)

Three courses (at least two of which are at the 300/400 level) from among the following:

Social Issues and Values

Students choose two of the following courses:

BIO-115 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-115) Environmental Science (4)

BIO-307 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-307) Ecology (4)

ECO-220 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-220) Honors: Economics and Contemporary Issues (3)

ECO-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-440) Environmental Economics (3)

EDU-402 (https://catalog.ndm.edu/courses/list/index.php?dept=EDU#EDU-402) American Education in Historical Perspective (3)

ENG-327 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-327) Contemporary World Literature (3)

POL-324 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-324) Women, Politics and Law (3)

POL-440 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-440) Global Issues (3)

PSY-375 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-375) Sex and Gender (3)

RST-304 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-304) Christian Social Ethics (3)

RST-345 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-345) Justice and Peace. (3)

RST-403 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-403) Problems in Discrimination and Prejudice. (3)

RST-424 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-424) Ecology and Theology (3)

SOC-209 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-209) Race, Class and Gender (3)

SOC-271 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-271) Honors: Sociology of Gender Roles (3)

SOC-301 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-301) Social Justice (3)

SPE-326 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-326) Special Education for the Classroom Teacher (3)

Group/Organizational Leadership

Students choose one of the following courses:

ART-322 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-322) Picture Story (3)

BUS-394 (https://catalog.ndm.edu/courses/list/index.php?dept=BUS#BUS-394) Organizational Behavior (3)

COM-303 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-303) Intercultural Communication (3)

COM-331 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-331) Public Relations (3)

COM-382 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-382) Gender and Communication (3)

COM-403 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-403) Organizational Communication (3)

IDS-430 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-430) Women in Science and Technology: A Washington Seminar (3)

POL-317 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-317) Civic Participation and Leadership (3)

POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370) Honors: Model OAS (3)

POL-411 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-411) Women and Public Policy (3)

SPE-237 (https://catalog.ndm.edu/courses/list/index.php?dept=SPE#SPE-237) Communication Skills for the Special Educator (3)

Back to top

Student-Designed Major

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Back to top

Learn more

- Elizabeth Morrissy Honors Program (/undergraduate-catalog/special-academic-programs/elizabeth-morrissy-honors-program?menu=special-academic-programs)
- Student Designed Major (/undergraduate-catalog/special-academic-programs/physical-education?menu=special-academic-programs)

Elizabeth Morrissy Honors Program

Evelyn Spratt, Ph.D., *Director*

Learn to Live

The Elizabeth Morrissy Honors Program is designed to meet the needs and interests of traditional undergraduate students of outstanding academic ability and high motivation. The goal is to provide opportunities for students to experience the same challenge and excitement in education that Elizabeth Morrissy encouraged throughout her distinguished 40-year career as a professor of History, Political Science and Economics at the Notre Dame.

Morrissy courses are designed to create small learning communities of scholars exploring a topic together and enjoying the pleasure of mutual discovery and intellectual stimulation. Some courses are offered within specific disciplines and may meet general education requirements. Other courses are interdisciplinary and become electives within the student's Program of Study. Drawn from a variety of departments, Morrissy courses promote the integration of knowledge which offers new insights into students' learning. Through the Program's research, internship, service, leadership and collaborative opportunities, students are empowered to use their knowledge to improve the quality of their lives and the lives of others.

Students become Morrissy scholars by invitation or recommendation.

Students applying to NDMU will be invited to apply to the program based on their credentials in their applications.

A current NDMU student can become a Morrissy scholar with the recommendation of a NDMU professor. At mid-semester, the director of the honors program seeks recommendations from professors to nominate any current Notre Dame student. If the students meet the criteri, she is invited to apply.

All applications are reviewed by the Morrissy Advisory Council. Admitted students receive a letter of acceptance in the mail.

Students must register for at least one honors course per year and take six honors courses during their four years at the University. All first year Morrissy students complete the Honors NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) class together in the fall. In the spring of the first year, Morrissy students enroll in a second honors course with the Director. Those who are enrolled in "3/2" programs with other institutions or who spend a semester or year studying overseas need to complete a minimum of 5 honors courses. Transfer students from an honors program may transfer nine honors credits. Transfer students with an AA degree from a community college without an honors program need to complete a minimum of 4 honors courses. Three credits of honors work may be taken as an independent study with the approval of the sponsoring faculty member and the Morrissy director. Students that participate in a study abroad experience may also apply to have that experience count towards an honors course. Students are expected to maintain a 3.3 overall average and a B average in honors courses to remain in the Program. Honors courses cannot be taken on a pass/fail basis. The Director reviews the records of Morrissy scholars at the end of each semester.

Morrissy scholars receive recognition in various ways. Honors courses are so designated on student transcripts. Completion of the program is noted on scholars' final transcripts and diplomas and in the Commencement program. Students in the Morrissy Program are also recognized publicly at Notre Dame's annual Honors Convocation. Students in the Program enjoy the special benefits of the Mildred Otenasek Honors House, which stands as a symbol of the Program and serves as a gathering place for social, academic and program activities.

In addition to special courses, Morrissy scholars have access to a variety of honors activities. Each semester, the director hosts a dinner for Morrissy scholars and honors faculty. Each year, the Honors Program sponsors off-campus trips to museums and performing arts events. Every few years, a select number of Morrissy scholars receive a stipend to participate in a study abroad program. Morrissy scholars often serve the University during programs planned for prospective students visiting campus as well as at lecture series or cultural events offered for the Notre Dame community and the general public. Morrissy scholars engage in community service projects and volunteer in local service opportunities as well. Members of the Morrissy Honors Student Executive Board assist the Morrissy director in making plans for the program.



The Elizabeth Morrissy Honors Program maintains memberships in the National Collegiate Honors Council, the Northeast Regional Honors Council, and the Maryland Collegiate Honors Council. Morrissy scholars regularly participate in honors conferences through poster and paper presentations.

Morrissy Honors Courses

ART-279 (https://catalog.ndm.edu/courses/list/index.php?dept=ART#ART-279) Honors: Concepts in Visual Aesthetics

BIO-108 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-108) Honors: Natural History

BIO-239 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-239) Genetics

BIO-308 (https://catalog.ndm.edu/courses/list/index.php?dept=BIO#BIO-308) Honors: Geology and Ecology

COM-329 (https://catalog.ndm.edu/courses/list/index.php?dept=COM#COM-329) Honors: Women in Mass Communication History

ECO-220 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-220) Honors: Economics and Contemporary Issues

ECO-330 (https://catalog.ndm.edu/courses/list/index.php?dept=ECO#ECO-330) Honors: Food Safety Risk Analysis

ENG-251 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-251) Honors: Ethnic American Literature

ENG-313 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-313) Honors: Thomas Hardy: Novelist and Poet

ENG-324 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-324) Honors: The Irish "Troubles": Literature, History and Film

ENG-347 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-347) Honors: "New Woman" Literature

ENG-360 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-360) Honors: Greek Literature

ENG-440 (https://catalog.ndm.edu/courses/list/index.php?dept=ENG#ENG-440) Honors: Women and/as Monsters in Literature and Culture

HIS-200 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-200) Honors: To Break the Killing Machine: Understanding, Preventing, and Overcoming Genocide

HIS-352 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-352) Honors: Educating Women in the United States

HIS-402 (https://catalog.ndm.edu/courses/list/index.php?dept=HIS#HIS-402) Women, War and Peace

NDMU-100 (https://catalog.ndm.edu/courses/list/index.php?dept=NDMU#NDMU-100) (honors sections only) Perspectives on Education and Culture

IDS-172 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-172) Honors: The Axial Age: Philosophy of East and West

IDS-231Honors: The Science of Science Fiction

IDS-235 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-235) Honors: Decision Points: Major, Career, Vocation

IDS-271 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-271) Honors: Romanticism: The Beautiful Infinite

IDS-369 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-369) Honors: Genethics

IDS-373 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-373) Honors: Cosmos and Creation: Religion and Science

IDS-374 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-374) Honors: Gaming and Society

IDS-378 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-378) Honors: The Holocaust

IDS-471 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-471) Honors: Politics and Ethics of War and Peace

IDS-479 (https://catalog.ndm.edu/courses/list/index.php?dept=IDS#IDS-479) Honors: Philosophy Through Literature

LCO-350 (https://catalog.ndm.edu/courses/list/index.php?dept=LCO#LCO-350) Honors: Even in the Best Families

LCO-378 (https://catalog.ndm.edu/courses/list/index.php?dept=LCO#LCO-378) Honors: From Homer to Star Wars

MUS-243 (https://catalog.ndm.edu/courses/list/index.php?dept=MUS#MUS-243) Honors: A Musical Mosaic

PHL-301 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-301)

PHL-376 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-376)

PHL-471 (https://catalog.ndm.edu/courses/list/index.php?dept=PHL#PHL-471)

PHY-101 (https://catalog.ndm.edu/courses/list/index.php?dept=PHY#PHY-101)

POL-370 (https://catalog.ndm.edu/courses/list/index.php?dept=POL#POL-370)

PSY-371 (https://catalog.ndm.edu/courses/list/index.php?dept=PSY#PSY-371)

RST-471 (https://catalog.ndm.edu/courses/list/index.php?dept=RST#RST-471)

SOC-271 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-271)

SOC-371 (https://catalog.ndm.edu/courses/list/index.php?dept=SOC#SOC-371)

Back to top

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