Notre Dame College, a Catholic institution in the tradition of the Sisters of Notre Dame, educates a diverse population in the liberal arts for personal, professional and global responsibility.

Telephone: 216.381.1680 ext. 5355
Toll-Free: 1.877.NDC.OHIO ext. 5355
Fax: 216.381.3802
E-mail: admissions@ndc.edu
Web: www.NotreDameCollege.edu

Changing the World... One Student at a Time.
Notre Dame College is accredited by The Higher Learning Commission of the North Central Association of Colleges and Schools (30 North LaSalle Street, Suite 2400 Chicago, IL 60602) as a degree-granting institution. Other college accreditation, program approvals and affiliations include:

- The American Association of Colleges for Teacher Education
- Registration for State Teachers' Licenses by The State of Ohio Department of Education
- Association of Catholic Colleges & Universities (ACCU)
- Association of Independent Colleges and Universities of Ohio (AICUO)
- College Entrance Examination Board (The College Board)
- College and University Personnel Association (CUPA)
- Council of Independent Colleges (CIC)
- Council of Independent Colleges Tuition Exchange Programs
- Global Issues Resource Center
- National Association of Independent Colleges and Universities (NAICU)
- National Council for Accreditation of Teacher Education (NCATE)
- Northeast Ohio Council on Higher Education (NOCHE)
- Ohio College Association (OCA)
- Ohio Council of Teacher Education Organizations (OCTEO)
- Ohio Foundation of Independent Colleges (OFIC)
- Ohio Minority Recruitment Consortium
- Pax Christi

Notre Dame College upholds the policy that there shall be no discrimination against any student, faculty or staff because of race, color, religion, national origin, age or disability. The fees, programs, and requirements contained in this catalog are effective with the 2006 Fall Semester. They are necessarily subject to change without notice at the discretion of Notre Dame College. It is the student’s responsibility to know and follow current requirements and procedures.
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2006-2007 Academic Calendar

FALL SEMESTER 2006

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 1</td>
<td>Late Registration for Returning Students</td>
</tr>
<tr>
<td>August 25</td>
<td>Last Day of Fall 2006 Registration</td>
</tr>
<tr>
<td>August 28</td>
<td>First Day of Instruction</td>
</tr>
<tr>
<td>August 28-</td>
<td>Schedule Adjustment Period</td>
</tr>
<tr>
<td>September 1</td>
<td>Last Day of Add/Drop Week</td>
</tr>
<tr>
<td>September 4</td>
<td>Labor Day - No Classes</td>
</tr>
<tr>
<td>October 12-13</td>
<td>Fall Break - No Classes</td>
</tr>
<tr>
<td>November 3</td>
<td>Last Day to Withdraw from a Course with a “W”</td>
</tr>
<tr>
<td>November 16-17</td>
<td>Senior Priority Registration</td>
</tr>
<tr>
<td>November 20-21</td>
<td>Junior Priority Registration</td>
</tr>
<tr>
<td>November 22-26</td>
<td>Thanksgiving Break - No Classes</td>
</tr>
<tr>
<td>November 27-28</td>
<td>Sophomore Priority Registration</td>
</tr>
<tr>
<td>November 29-30</td>
<td>Freshman Priority Registration</td>
</tr>
<tr>
<td>December 8</td>
<td>Last Day of Instruction</td>
</tr>
<tr>
<td>December 11-14</td>
<td>Final Examination Period</td>
</tr>
<tr>
<td>December 15</td>
<td>Late Spring Registration for Returning Students</td>
</tr>
<tr>
<td>January 8, 2007</td>
<td>Grade Reports Issued</td>
</tr>
</tbody>
</table>

SPRING SEMESTER 2007

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 15, 2006</td>
<td>Late Registration for Returning Students</td>
</tr>
<tr>
<td>January 12</td>
<td>Last Day of Spring 2007 Registration</td>
</tr>
<tr>
<td>January 15</td>
<td>Martin Luther King Day - No Classes</td>
</tr>
<tr>
<td>January 16</td>
<td>First Day of Instruction</td>
</tr>
<tr>
<td>January 16-19</td>
<td>Schedule Adjustment Period</td>
</tr>
<tr>
<td>January 19</td>
<td>Last Day of Add/Drop Week</td>
</tr>
<tr>
<td>March 5-9</td>
<td>Spring Break - No Classes</td>
</tr>
<tr>
<td>March 30</td>
<td>Last Day to Withdraw from a Course with a “W”</td>
</tr>
<tr>
<td>April 5-9</td>
<td>Easter Break - No Classes</td>
</tr>
<tr>
<td>April 19-20</td>
<td>Senior and Junior Priority Registration</td>
</tr>
<tr>
<td>April 23-24</td>
<td>Sophomore Priority Registration</td>
</tr>
<tr>
<td>April 26-27</td>
<td>Freshman Priority Registration</td>
</tr>
<tr>
<td>May 2</td>
<td>All College Honors Convocation</td>
</tr>
<tr>
<td>May 4</td>
<td>Last Day of Instruction</td>
</tr>
<tr>
<td>May 5-9</td>
<td>Final Examination Period</td>
</tr>
<tr>
<td>May 12</td>
<td>Baccalaureate and Commencement</td>
</tr>
<tr>
<td>May 25</td>
<td>Grade Reports Issued</td>
</tr>
<tr>
<td>June 1</td>
<td>Late Fall Registration for Returning Students</td>
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</tbody>
</table>

WEEKEND COLLEGE (WECO) CALENDAR

2006-2007

Saturday, August 19, 9:00 a.m. - New Student Orientation

TERM I

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 25</td>
<td>Preassignments</td>
</tr>
<tr>
<td>September 8-9</td>
<td></td>
</tr>
<tr>
<td>September 15-16</td>
<td></td>
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<td>September 22-23</td>
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<tr>
<td>October 6-7</td>
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<tr>
<td>October 13-14</td>
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<tr>
<td>October 20-21</td>
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</table>

TERM II

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<thead>
<tr>
<th>Date</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>October 20</td>
<td>Preassignments</td>
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<tr>
<td>November 3-4</td>
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<tr>
<td>November 10-11</td>
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<tr>
<td>November 17-18</td>
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<tr>
<td>December 1-2</td>
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<tr>
<td>December 8-9</td>
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<tr>
<td>December 15-16</td>
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</table>

TERM III

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>January 5, 2007</td>
<td>Preassignments</td>
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<tr>
<td>January 19-20</td>
<td></td>
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<tr>
<td>January 26-27</td>
<td></td>
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<tr>
<td>February 2-3</td>
<td></td>
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<tr>
<td>February 16-17</td>
<td></td>
</tr>
<tr>
<td>February 23-24</td>
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</tr>
<tr>
<td>March 2-3</td>
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TERM IV

<table>
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<tr>
<th>Date</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>March 2</td>
<td>Preassignments</td>
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<tr>
<td>March 16-17</td>
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<tr>
<td>March 23-24</td>
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<tr>
<td>March 30-31</td>
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<tr>
<td>April 13-14</td>
<td></td>
</tr>
<tr>
<td>April 20-21</td>
<td></td>
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<tr>
<td>April 27-28</td>
<td></td>
</tr>
</tbody>
</table>
INQUIRIES

See our Home Page at www.NotreDameCollege.edu

Send e-mail to: admissions@ndc.edu

Our mailing address is:
Notre Dame College
4545 College Road
Cleveland, Ohio 44121-4293

Phone: 216-381-1680
Toll Free: 877-NDC-OHIO (877-632-6446) ext. 5355
Fax: 216-381-3802

Admissions information, campus tours, transfer students and continuing education:
Office of Admissions, First Floor, Main Administration Building

Registration, class schedules and acceptance of credits:
Office of Student Records, First Floor, Main Administration Building

Financial aid, scholarship and loan inquiries:
Office of Financial Aid, First Floor, Main Administration Building

Housing inquiries:
Office of Student Life, First Floor, Main Administration Building

Athletics inquiries:
Office of Intercollegiate Athletics, Keller Center

Academic advising:
Advising Center, First Floor, Main Administration Building

Career development, cooperative education, employment assistance:
Career Services Center, Ground Floor, Main Administration Building
Mission Statement

Notre Dame College, a Catholic institution in the tradition of the Sisters of Notre Dame, educates a diverse population in the liberal arts for personal, professional and global responsibility.

Statements of Purpose

Notre Dame College engages students, staff, and the wider community in the educational experience. Those who choose a Notre Dame education are encouraged to develop these values and skills:

- Thinking logically, analytically, and creatively
- Communicating effectively in speech and in writing
- Demonstrating mastery of an academic discipline
- Choosing wisely for health and well-being
- Appreciating the fine arts
- Integrating Judaeo-Christian values into their lives
- Pursuing their personal spiritual development
- Sharing talents and gifts in the spirit of friendship and compassion
- Engaging in the lifelong search for truth, beauty, and justice.

Catholic Identity Statement

A Catholic college finds its identity not only in ethos, ministry, and worship, but also in its presentation of the broad history and diverse areas of theology:

- the Gospel made appealing, interesting and intelligible within an educated Church
- the traditions of centuries of reflection upon faith
- the principles of the Catholic interpretation of Christianity
- the Good News of Christ as beacon and bridge between the Church and the world.

Notre Dame College, fulfilling the ministry of the Catholic Church and the mission of the Sisters of Notre Dame, realizes that true learning orients the human person:

- to the divine, that we may know what it is to be fully human, created in time and destined for eternity
- to the wisdom of our ancestors, respecting the traditions of every people and every age, relying upon revelation and authority
- to the self and the environment, preparing with concern and generosity for the future.

As a Catholic college, we therefore seek to develop:

- minds through which Christ thinks
- hearts through which Christ loves
- voices through which Christ speaks
- hands through which Christ serves.
Notre Dame College is located in South Euclid, Ohio, a suburb less than 30 minutes east of downtown Cleveland, an historic city that is changing and rejuvenating. The heritage and culture of more than 60 ethnic groups have come together in Cleveland to forge a center of commerce and industry. Greater Cleveland is a center for many leading national and multi-national corporations, ranking #11 in Fortune magazine’s 1,000 corporate headquarters. Local businesses, schools, hospitals and civic organizations provide a cooperative education experience for the Notre Dame student while he or she attends college, thereby enhancing the student’s employment opportunities after graduation.

Cleveland is truly a Great Lakes city, bustling with commercial and recreational activities on its lake and rivers. The city offers a variety of cultural and recreational activities, from professional and amateur theater productions to professional sports. Notre Dame College is 15 minutes from University Circle, a center of cultural, educational, medical, religious and social service institutions. The Cleveland Museum of Art, the Museum of Natural History, the Cleveland Institute of Art, the Cleveland Institute of Music, the newly-renovated Cleveland Botanical Gardens and Severance Hall, home of the world-famous Cleveland Orchestra, are all located in the Circle. The Cleveland Play House, the oldest repertory company in the nation, operates three theaters in a major complex only 20 minutes from Notre Dame College. Downtown is home to Playhouse Square, a cluster of four restored theaters with a combined capacity larger than Lincoln Center. Playhouse Square has been meticulously refurbished to house Opera Cleveland, the Great Lakes Theater Festival and top Broadway road companies. For recreation, Cleveland has the beauty of the North Coast and the waters of Lake Erie for water sports. The Metro Parks system is Cleveland’s Emerald Necklace, providing more than 100 miles of park drive, picnic areas, ponds, and hiking and biking trails. The College is located within walking distance of the Euclid Creek Reservation. In the winter, three area ski resorts located within a short drive of the city offer downhill and cross-country skiing.

Cleveland also hosts a variety of professional sports teams for the enthusiastic spectator. Everything from Browns football and Indians baseball to Cavs basketball.

THE ADMINISTRATION BUILDING
The College sits on a wooded 53-acre campus. The Tudor Gothic Administration Building houses most of the classrooms and offices, the state-of-the-art Science Research Center, the Dwyer Learning Center, computer and multi-media labs, the Performing Arts Center, and the Little Theater. Constructed in 1928, the Administration Building is listed on the National Register of Historic Places by the U.S. Department of the Interior.

THE DWYER LEARNING CENTER
The Dwyer Learning Center consists of an electronic classroom, a student computer lab, a writing lab, and a tutoring room. This area provides students with access to multimedia computers, printers, scanning devices, the latest productivity software, course-related software, the Internet, and e-mail. All computers in the Learning Center are connected to the campus-wide network. Tutors and lab assistants are available to assist students in the learning process, utilizing these tools.

The electronic classroom is equipped so that faculty can teach students how to use an application or program. Each student is able to use a computer in that classroom while also viewing the projection of the instructor’s screen. This room is also available as a student computer lab when not in use for classes.

The writing lab and tutoring room are available for students to work one-on-one with tutors in specific subject areas. Peer tutors, many of whom are education majors, are recommended by faculty. Additional networked computers are located in this area.

Students and faculty can also access the Learning Center software programs from every classroom and office through the campus-wide network. Several mobile computers and projectors are used in classrooms for this purpose.
The Clara Fritzsche Library, dedicated in 1971, houses a collection of more than 93,000 volumes. Located next to the Keller Center and adjacent to the Administration Building, the two-story structure contains a general collection supporting all areas of the curriculum with a special emphasis on theology, education, literature, art and foreign language materials. In addition, the Library maintains a comprehensive juvenile collection, and a Curriculum Library which provides a wealth of resource materials for prospective teachers.

In an effort to provide timely information for all disciplines, the Clara Fritzsche Library is a member of OhioLINK, a network of 84 academic libraries that provides access to over 25 million books and audio-visual materials and 120 databases containing thousands of journal titles and full text articles. In addition to these resources, the Library receives more than 250 periodicals in print form, which are housed on the second floor. A microfiche reader/printer is available for viewing and duplicating periodicals kept on microfiche. In addition to periodical holdings, business students have access to an extensive collection of annual reports. Computers on both floors allow access to our electronic catalog, the Internet and numerous online services such as ERIC, MEDLINE, PsychINFO EBSCO and Education Index.

The Library provides a variety of facilities conveniently located on the first floor. The Computer Room is a popular place for students to congregate. It contains six additional computer work-stations that may be used for research, searching the Internet, e-mail and word processing. The Seminar Room may be scheduled for meetings, quiet study, or video viewing. The Library also features a newly renovated art gallery that may be booked for showings by local artists.

The Smart Classroom is a state-of-the-art 40-seat classroom, equipped with two Smart Boards and laptops for each student. Smart technology enables instructors to use a more interactive approach to teaching and to integrate graphics, PowerPoint slides, DVDs and videos seamlessly into their presentations. The Smart Classroom is already a popular place for classes, workshops, and meetings by faculty and staff trained in the use of the new technology available.

The Clara Fritzsche Library also houses two special collections. The Tolerance Resource Center, located on the second floor of the library, houses a collection of books, videos, journals and posters relating to the Holocaust, diversity and anti-bias issues. The Eastern Church Resource Center, located on the first floor, houses a unique collection of books, videos, and audio tapes relating to the Eastern Church and ecumenism. These rooms may also be reserved for meetings or quiet study.

The Library offers a spacious environment for research and study and is handicap accessible. Lounge areas are located on the first and second floors. Carrels are scattered throughout the library and provide additional work areas for students.

The Clara Fritzsche Library is committed to being a “user-oriented” facility. A helpful and informed staff is available to provide assistance to all patrons. The Library offers bibliographic and information technology instruction programs throughout the year. These include a general orientation, subject specific instruction and individual instruction upon request. Interlibrary loan is provided if the items patrons are seeking are not in the Library’s collection. Through OhioLINK, students may request items themselves using their college I.D. barcode number. Materials not available through OhioLINK may be interlibrary loaned from Cleveland Public Library, Cuyahoga County Library and other libraries throughout the country and will be provided in an efficient and timely manner. Library materials are loaned for a three-week period upon presentation of a current Notre Dame I.D. card. Library patrons may also use their I.D. to receive borrowing privileges at over eighty academic libraries throughout Ohio, including John Carroll University, Ursuline College, and St. Mary Seminary.

The Joseph H. Keller Center

Built in 1987, the Joseph H. Keller Center is an indoor recreational facility available for student, staff, faculty and community use. A renovation project completed in 2003 updated the weight room with Cybex machines, free weights and cardiovascular equipment for users to monitor their fitness levels or undergo intense workouts. Located within the facility is Mellen Pool, a 25-yard, six-lane pool used for competitive and open swimming. Murphy Gymnasium, also located within the Keller Center, houses a regulation sized basketball court.

While the Keller Center supports the educational mission of the College to educate and form the complete person, it is also used for intercollegiate athletic competition.
Admission

UNDERGRADUATE ADMISSION TO NOTRE DAME COLLEGE
To fulfill its mission, Notre Dame College encourages students of diverse religious, racial, educational and socioeconomic backgrounds to apply. Undergraduate admission decisions are based on a broad range of criteria. A prospective student may apply for admission up to a year prior to the semester, summer session or Weekend College term for which admission is desired.

CAMPUS VISIT
Notre Dame College welcomes and strongly encourages every prospective student to take the opportunity to visit its campus. A campus visit can be arranged by contacting the Office of Admissions at 216.381.1680 ext. 5355 or toll-free 877.NDC.OHIO (877.632.6446) ext. 5355.

ADMISSION REQUIREMENTS
Notre Dame College admits students who demonstrate potential for academic success. The credentials of each applicant are individually evaluated with consideration given to a combination of previous academic records, standardized test scores, and evidence of potential to succeed in college. The College has a very fair and generous policy on the transfer of academic credit earned at regionally accredited colleges or universities. Course work completed more than five years ago at a regionally accredited college or university is evaluated on a course-by-course basis. Notre Dame College reserves the right to deny admission to any applicant who does not meet its admission standards.

Recognizing that the needs of a diverse student body are equally diverse, Notre Dame College has established alternative admission requirements for traditional, traditional transfer, adult, Weekend College, and international degree-seeking and certificate-seeking students.

TRADITIONAL STUDENTS
Traditional students are those students who have graduated from high school within four years of their first term of enrollment. A student planning to attend Notre Dame College should take the strongest possible college preparatory program available. The following distribution of courses is recommended.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Preparatory English</td>
<td>4 units</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3 units to include Algebra I, Geometry and Algebra II</td>
</tr>
<tr>
<td>Science</td>
<td>3 units with laboratory experience</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3 units</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>2 units of the same language</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

Notre Dame College requires the following credentials from each traditional student seeking admission:

1. Application for Undergraduate Admission accompanied by the non-refundable $30 application fee,*
2. Official high school transcript stating date of graduation, and
3. Official ACT or SAT I score report.

* You may also apply online free of charge.

Academic transcripts must be submitted directly to the Office of Admissions by the issuing high school in order to be considered official.

Upon receipt of all necessary credentials, one of the following admission decisions will be made.

FULL ADMISSION
Ordinarily, a student will be granted Full Admission when the following conditions have been met.

- 2.5 cumulative grade point average on a 4.0 scale, or
- Minimum ACT score of 19/ SAT score of 900, or
- Evidence of the potential for academic success as profiled on the academic transcripts and in a personal interview.
ADMISSION

PROVISIONAL ADMISSION
A student will be granted Provisional Admission when the cumulative grade point average or standardized entrance examination performance falls below those standards necessary for Full Admission. A student admitted on a provisional basis will be limited to registering for no more than twelve (12) credit hours during the first term of enrollment and will be required to use the services of the Dwyer Learning Center regularly. The student will meet with the Director of the Learning Center to develop an action plan in order to afford the greatest possibility for academic success. A student admitted provisionally is expected to achieve a 2.0 grade point average upon completion of the first term of enrollment.

TRADITIONAL TRANSFER STUDENTS
Traditional transfer students are those who have graduated from high school within four years of their first term of enrollment and who have attended a regionally accredited institution of higher learning following high school graduation. Notre Dame College requires the following credential from each transfer student seeking admission:

1. Application for Undergraduate Admission accompanied by the non-refundable $30 application fee,
2. Official high school transcript stating date of graduation, or official GED Certificate,
3. Official academic transcripts from each college or university previously attended, and
4. Personal interview with an Admissions Counselor.

Academic transcripts must be submitted directly to the Office of Admissions by the issuing high school and college(s) in order to be considered official.

Upon receipt of all necessary credentials, one of the following admission decisions will be made.

FULL ADMISSION
Ordinarily, a student will be granted Full Admission when the following conditions have been met.

- 2.5 cumulative grade point average on a 4.0 scale
- Evidence of scholarship and the potential for scholarship as profiled on the academic transcript and in the personal interview.

ADULT STUDENTS
Adult students are those students 23 years of age and older who have graduated from high school five or more years prior to their first term of enrollment, or who have earned a General Education Diploma (GED), and who wish to complete course work primarily during the semester and/or summer sessions. Notre Dame College requires the following credentials from each adult student seeking admission.

1. Application for Undergraduate Admission accompanied by the non-refundable $30 application fee,
2. Official high school transcript stating date of graduation, or official GED certificate,
3. Official academic transcripts from each college or university previously attended, and
4. Personal interview with an Admissions Counselor.

Academic transcripts must be submitted directly to the Office of Admissions by the issuing high school or post-secondary institution in order to be considered official.

Upon receipt of all necessary credentials, one of the following admission decisions will be made.

FULL ADMISSION
Ordinarily, a student will be granted Full Admission when the following conditions have been met.

- 2.5 cumulative grade point average on a 4.0 scale (most recent academic work)
- Evidence of the potential for academic success as profiled on the academic transcript and in the personal interview.
PROVISIONAL ADMISSION
A student will be granted Provisional Admission when his/her cumulative grade point average falls below those standards necessary for Full Admission. A student admitted on a provisional basis may be limited to registering for no more than twelve (12) credit hours during the first term of enrollment. A student admitted provisionally will be expected to achieve a 2.0 grade point average upon completion of the first term of enrollment.

WEEKEND COLLEGE (WECO) STUDENTS
Weekend College students are those who have graduated from high school two or more years prior to their first term of enrollment or who have earned a General Education Diploma (GED), who have worked full-time for at least two years, and who wish to complete course work primarily through Weekend College. Notre Dame College requires the following credentials from each WECO student seeking admission.

1. Application for Undergraduate Admission accompanied by the non-refundable $30 application fee,
2. Official high school transcript stating date of graduation or official GED certificate, and
3. Personal interview with an Admissions Counselor.

WECO transfer students will also be required to submit official academic transcripts from each college or university previously attended. Academic transcripts must be submitted directly to the Office of Admissions by the issuing high school or post-secondary institution in order to be considered official.

Upon receipt of all necessary credentials, one of the following admission decisions will be made.

FULL ADMISSION
Ordinarily, a student will be granted Full Admission when the following conditions have been met.

• 2.5 cumulative grade point average on a 4.0 scale (most recent academic work)
• Evidence of scholarship and the potential for academic success as profiled on the academic transcript and in the personal interview.

INTERNATIONAL STUDENTS
International students are those who legally reside in a country other than the United States. Notre Dame College requires the following credentials from each international student seeking admission:

1. Application for Undergraduate Admission for international students accompanied by the non-refundable $30 application fee,
2. Official academic transcripts of all secondary and post-secondary education. (If the academic transcripts are in a language other than English, the original transcripts must be submitted along with notarized/certified English translations),
3. Competency in English – (see below – applicable only to non-native English speakers who graduated or will graduate from a secondary school outside the USA),
4. Declaration and Certification of Financial Support form,
5. International Student Financial Aid Form,
6. Verification of Country of Birth and Citizenship form, and
7. Admissions Essay (recommended, but not required).

For Transfer Students ONLY:
• Verification of F-1 Status form
• College credit may be offered for completion of coursework at a “C” level or better, equivalent to the Notre Dame College General Education requirements, at a regionally accredited college or university.

For International Athletes ONLY:
An official ACT/SAT test result is NOT REQUIRED unless you compete for Notre Dame College; ATHLETES must achieve two of the three documented standards:

• Graduate in top half of class (confirmation from head master/guidance counselor)
• Receive a minimum of 2.00 GPA
• Obtain official results of the ACT/SAT test.
According to Immigration and Naturalization Service regulations, a completed Declaration and Certification of Financial Support is necessary to prove that the student has financial resources available for the cost of tuition, fees, room and board, supplies, personal expenses and transportation while enrolled at Notre Dame College for the first academic year and to give a reasonable guarantee that financial resources will be available for approximately the same costs for the remaining academic years.

Upon receipt of all necessary credentials, one of the following admission decisions will be made.

FULL ADMISSION
A student will be granted Full Admission when the following conditions have been met.

- Competence in the English language as evidenced by one of the following:
  - TOEFL (Test of English as a Second Language) - a minimum score of 550 PB (paper-based)/213 CB (computer-based) (www.toefl.org)
  - IELTS (International English Language Testing System) - minimum score of 6.0 (www.ielts.org)
  - CAE (Cambridge Certificate of Advanced English) minimum score of C (pass)
  - ELS Language Centers - level 112 Proficiency Examination (www.els.com)
  - General Certificate of Education – minimum score of C (pass) on either O (ordinary) or A (advanced) level. Scores must be no more than 2 years old.
  - 2.5 cumulative grade point average on a 4.0 scale (most recent academic work)

Form I-20, Certificate of Eligibility for Nonimmigrant F-1 Student Status, is issued by the Office of Admissions upon receipt of a signed Confirmation of Attendance form. Bureau of Citizenship and Immigration Services (BCIS, formerly the Immigration and Naturalization Service [INS]) regulations require foreign students on a student visa to carry a full course of study during each term of enrollment at Notre Dame College in order to maintain F-1 student status while in the United States.

READMISSION
Students who have been absent from the College for one calendar year or longer must reapply for admission. For the purpose of readmission, one calendar year is defined as any consecutive combination of a Fall Semester, Spring Semester and Summer Session, or any consecutive combination of four Weekend College terms. The Director of Admissions determines the official length of academic absence. Students seeking readmission are expected to follow the same admission process as those prospective students who will be attending Notre Dame College for the first time.

Students readmitted to the College must follow the Catalog requirements and academic policies in effect at the time of readmission regardless of the number of credits earned under a previous Catalog.
Financial assistance means freedom to choose a college based on academic programs rather than on cost. Notre Dame College believes in the philosophy that all qualified students should have the opportunity to attend regardless of personal financial situation. A student and his/her family, of course, are expected to contribute to the cost of education to the extent that they are able.

Notre Dame College’s student financial assistance program is designed to help bridge the gap between direct cost and a student’s ability to pay. We offer both need-based and merit-based aid to our students. All financial assistance is awarded according to the eligibility requirements set forth for each type of aid. Eligibility requirements vary considerably from fund to fund and are established by the funding agency or source.

All financial assistance can be divided into two broad groups: grants or scholarships and self-help. Grants or scholarships are forms of financial assistance that do not have to be repaid and that are generally based on need, academic achievement or other special attribute. Self-help aid must be either repaid with interest or earned through on-campus employment. Within the context of these two broad groups, Notre Dame College awards student financial assistance from three general sources: federal programs, state programs and private aid.

Notre Dame College requires the Free Application for Federal Student Aid (FAFSA). This need analysis report must be completed to determine a student’s need. To qualify for federal financial aid, a student must be a United States citizen, a permanent resident, or other resident alien. Additionally, a student must be enrolled at least halftime and be maintaining satisfactory academic progress.

**SOURCES OF FINANCIAL ASSISTANCE**

**Federal Financial Assistance Programs**
- Federal Pell Grant
- Federal Subsidized Stafford Student Loan
- Federal Unsubsidized Stafford Student Loan
- Federal Parent Loan for Undergraduate Students (PLUS)
- Federal Supplemental Educational Opportunity Grant (FSEOG)
- Federal Perkins Loan
- Federal Work Study (FWS)

**State Financial Assistance Programs**
- Ohio Instructional Grant (OIG)
- Ohio Choice Grant
- Ohio Academic Scholarship
- Ohio War Orphans Scholarship

**Private Financial Assistance Programs**
- Valedictorian/Salutatorian Scholarship
- Presidential Honors Scholarship
- Sisters of Notre Dame Award
- Alumni Association Scholarship
- Notre Dame College Grant
- Family Plan Scholarship

**Endowed Awards**
- Joseph M. and Aldemira Alfonso Award
- Notre Dame College Alumni Association Scholarship
- Arthur S. Armstrong Scholarship Fund
- Christopher Foundation Scholarship Fund
- Sister Mary Aquinas & Sister Mary Clotilda Award
- Daniel S. Connelly Scholarship
- Edward J. and Stella Gunn Corbett Award
- Sister Mary Cordilia Award
- Helen Adeline Corrigan and Marie Corrigan Scholarship Fund
- Sister Jeanmarie DeChant Award
- Helen Schauffer DeGulis Scholarship Fund
- Anne L. Deming International Student Fund
- Eleanor Durica Filak Endowment
- Sister Mary LeRoy Finn Scholarship
- Flynn Family Scholarship Fund
- GAR Foundation Scholarship
- H.C.S. Foundation Award
- Carl and Dorothy Harig English and Communication Award
- Hille-Sposet Scholarship Fund
- Sister Mary Patricia Hlivak Award
- Reverend Henry Hofer Award
- Elizabeth Cantillon Hruby Scholarship
John Huntington Scholarship  
Jean G. and Joseph H. Keller Scholarship  
The Laub Foundation  
Fred A. Lennon Scholarship  
Joseph and Eleanore Loehr Scholarship  
Alice J. and Patricia A. McCann Endowment  
The Helen and Michael Earl McCloskey Award  
M Chugh Award  
Catherine and F. Jerome McKeever Scholarship  
Ruth A. and Loretta E. Mersy Scholarship  
Joseph and Caroline Mersy Scholarship  
Dorothy and Eugene J. Murray Scholarship  
Frances A. Noetzel Endowed Scholarship Fund  
Sisters of Notre Dame Freshman Award  
Grace K. O’Donnell Scholarship  
OFIC Scholarship  
Corinne O’Neill Scholarship  
H.M. O’Neill Scholarship  
O’Neill Science Scholarship  
Pauline Palub Endowment  
Bishop Anthony M. Pilla Scholarship Fund  
Thomas Quinnlan Award  
Quinlivan/Burke Award  
Dr. Robert & Rosemary Racek Scholarship Fund  
Regis and Leona Reinhard Award  
Sister Mary Marthe Reinhard Scholarship  
Stanley I. Roediger Award  
Gertrude Schaefer Award  
Marie M. Schoonmaker Scholarship  
Ruth M. Seegert Award  
Josephine Smutko Seymour Endowed Scholarship  
Frank J. & Helena M. Smith Award  
Mary Strassmeyer Scholarship  
Marianne Artino Taylor Scholarship  
John and Alma Tercek Award  
Monsignor Angelo J. Trivisonno Award  
TRW Foundation Scholarship  
University Suburban Health Center Annual Scholarship  
Elizabeth Unkefer Award and Scholarship  
John C. and Florence M. Wasmer Foundation Award  
Timothy & Marie Welch Award  
Jeanne Ann Woessner Award  
Stella Scarano Zannoni Endowed Scholarship  
Edward Brandon Scholarship Fund  
Frances P. Nelson Faith Friendship and Forever Award  
James C. Sennett Endowment Fund  
Monaghan-Maher Scholarship  
Charles Schell Foundation Scholarship  
F.J. Cole Scholarship  
F.J. O’Neill Scholarship

EMPLOYER REIMBURSEMENT
Many students who are employed full-time receive tuition reimbursement from their employer. The benefits vary from company to company. It is the student’s responsibility to inquire about his/her company’s benefit program.

CONFIRMATION AND ROOM DEPOSITS
Upon acceptance by Notre Dame College, incoming full-time students are required to make a confirmation deposit of $125. The deposit is credited to the student’s first semester charges and is not refundable after May 1.

If housing is desired, an additional $200 room/key/damage deposit is required. The deposit is transferable from year to year.

PAYMENT
It is the policy of Notre Dame College that tuition and fees for a given term are to be paid OR acceptable arrangements made by August 1 for Fall Semester and January 3 for Spring Semester. Students who register after that deadline are expected to have acceptable payment arrangements in place at the time of registration. Registrations received without payment or acceptable arrangements will be voided. Pending financial aid is not an acceptable payment arrangement. Payment for WECO terms is due prior to the first day of classes.

REFUNDS
Tuition:
If a student withdraws from Notre Dame College during the semester, no refunds except those indicated here will be made, and any unpaid balance covering the period of enrollment will become due. For students who withdraw within the first four weeks of a given semester, refunds will be made after written notification of withdrawal is filed with, and approved by, the Office of Student Records. The amount of refund will be figured from the date appearing on the official Change of Schedule form:
• before the end of the first week of classes, 100%;
• before the end of two weeks, 80%;
• before the end of three weeks, 60%;
• before the end of four weeks, 40%;
• and after the fourth week, NO REFUND.
• For courses that meet once a week, one class equals one week.

Refunds on non-credit courses will be made on the percentage basis listed above. Refunds will be made approximately one month after the date of withdrawal. Financial aid is adjusted on the same basis as tuition.
If a student enrolled in Weekend College withdraws before the second class meeting, a 70% refund will be made. There is no refund after the second class meeting.

A student who withdraws from a course must give written notification to the Office of Student Records. **Non-attendance and/or non-payment DO NOT constitute official withdrawal from a course.** If a student fails to withdraw officially, he/she will be responsible for all tuition and fee charges.

**Room and Board:**
If it is necessary for resident students to withdraw from classes and from the residence hall, a refund of the charges for room and board for the semester will be made on the percentage basis listed above. No refund will be made after the fourth week of class.

**Federal Refund Policy:**
A federal refund policy applies to students meeting all of the following criteria:

1. Students who receive federally supported financial aid or loans
2. Students who are in their first term
3. Students who are completely withdrawing from school during the first 60% of their first term.

**STANDARDS OF SATISFACTORY ACADEMIC PROGRESS***

**FOR FINANCIAL AID APPLICANTS**
Federal regulations (HEA Sec. 484(a), 34 CFR 668.16(e), 668.32(f), 668.34) require that Notre Dame College review the academic progress of all students who apply and/or receive federal financial assistance. This regulation applies to each financial aid applicant, whether a previous recipient or not. A student’s entire academic record is included in the measurement. The measurement consists of three areas: Credit Hour, Grade Point Average, and Maximum Time Frame for eligibility.

**A. Credit Hour Requirement**
First year undergraduate students (0-31 hours attempted) must complete successfully a minimum of 60% of the number of credit hours attempted in each award year (or part thereof). An award year includes any terms.

**B. Grade Point Average (GPA Requirement)**
All students who have attempted 62 credit hours must maintain an accumulative grade point average of 2.0. Students will be measured at the end of each term of enrollment. Graduate Students must maintain a 3.00 GPA at all times.

**C. Maximum Time Frame for Eligibility**

**Undergraduate Students**
Undergraduate Students may continue to be considered eligible for assistance as long as they have not attempted (or registered for) more than 160 credit hours and/or have not completed more than 140 undergraduate credit hours. Transfer hours will be counted in the number of attempted/earned hours. Additionally, remedial and/or repeated course work will also be included in the maximum permissible number of hours attempted and earned.

**Graduate Students**
Graduate Students may continue to be considered eligible for assistance as long as they have not attempted (or registered for) more than 60 graduate credit hours and/or have not completed (earned) more than 48 graduate credit hours. Transfer hours will be counted in the number of attempted/earned hours. Additionally, remedial and/or repeated course work will also be included in the maximum permissible number of hours attempted and earned.

* Please note that this policy is referred to in the Notre Dame College Catalog, and on the back of the Financial Aid Award Letter.
Transfer Student
Transfer Students will not be measured against the Credit Hour Requirement or GPA Requirement until the end of the academic year in which they start.

Transfer Students will be measured against maximum time frame for eligibility based on hours transferred. (See appeal process.)

Monitoring
Satisfactory academic progress will be measured at the end of each academic year. However, in some instances, an evaluation will be conducted after each semester EX: Students with 62 attempted hours will need a 2.00 GPA at the end of each term of enrollment.

Evaluation will be done in a timely manner, however, the next term may be in progress at the time we are able to notify students of their ineligibility. Should the student be concerned that he/she may not have met the requirements, he/she may contact the Office of Student Financial Assistance during normal business hours.

Students will be notified via their student mailbox if they have failed the measurement. Students may appeal the decision.

Appeals
Students may appeal their denial of assistance by completing the Appeal Form. The student and his/her advisor must sign the form. An appeal form will be mailed to students not meeting the requirement or may be obtained from the Office of Student Financial Assistance.

Financial Aid appeals must be based on undue hardship caused by the death of a relative, personal injury, illness, or other special circumstance supported with appropriate documentation.

A plan as to how the student will improve academic performance must be included in the appeal. An academic advisor must sign all appeals.

Appeals must be presented to the Office of Student Financial Assistance within 10 working days after the receipt of the denial letter. The appeal will be reviewed within 10 working days and written notification will be in writing.

Student Development

The Department of Student Development provides leadership and coordination for the co-curricular programs and services for Notre Dame College students. These programs are designed to enhance the academic environment and promote student development. The Dean of Student Development is responsible for supervising and coordinating the activities of the following units.

Campus Activities
Campus activities are strongly encouraged and supported at Notre Dame College. Various activities are designed to include and to meet the needs of all types of students: residents and commuters, traditional and adult. The Office of Campus Activities along with the Undergraduate Student Senate sponsors many programs on and off campus including comedians, interactive entertainment, dances, speakers, Little Sibs & Kids Weekend and many more.

The College maintains a schedule of off-campus events that takes advantage of the many wonderful cultural resources of the Greater Cleveland area. These include performances by the Cleveland Orchestra, Cleveland Ballet, Cleveland Playhouse, and the Ohio Chamber Orchestra. With a grant from the Kulas foundation, the Notre Dame College community may purchase tickets at greatly reduced rates.

Campus Ministry
Campus Ministry promotes the spiritual growth of the Notre Dame College community. Through the Catholic identity of the institution and the charism of the Sisters of Notre Dame, Campus Ministry seeks to foster personal and spiritual growth through which each person grows in their understanding of themselves, God, and the world. This is accomplished through service to the community around us, worship and prayerful experiences, meaningful activities, and community building.

The Campus Ministry program facilitates service in the community, retreats, liturgy and more. There are regular Eucharistic celebrations and prayer services on campus. Each year Campus Ministry holds a number of retreats both on and off campus. Campus Ministry frequently organizes opportunities for service in the community, such as building projects, working at hunger shelters, and interacting with young people. Throughout the year
Campus Ministry also provides opportunities for students to gather in small groups, holds discussions, and more. There are also many opportunities for leadership, student employment, and internships.

While recognizing the diversity within the Notre Dame College community and the wide spectrum of religious backgrounds therein, Campus Ministry encourages all people to pursue their own spiritual development. Campus Ministry is fundamentally committed to being welcoming and hospitable to all people regardless of their faith tradition, in our events, liturgies, and activities.

CAREER SERVICES CENTER
Students are encouraged to begin using the Career Services Center during their first year at Notre Dame College. Beginning work early with Career Services helps students better understand the career search process and helps students transition from college to the work place or to graduate programs more successfully. Students are provided a four-year career planner to help navigate the career process. A variety of services and resources are available, from one-on-one career counseling to a Career Resource Center housing computer-based interest inventories, on-line employment and co-op/internship opportunities and a complete career library.

Career Services sponsors a wide variety of programs and workshops to help students in all areas of career planning, from choosing a major to job search techniques. Programs such as resume writing, interviewing skills, dressing for business and dining etiquette, and negotiating the job offer are provided. Career Services also sponsors career nights, career fairs and on-campus recruiting events throughout the year to aid students in exploring full and part-time employment opportunities. A schedule of programs is available on the career website.

COOPERATIVE EDUCATION
Cooperative Education and internships assist students in determining career direction, gaining on-the-job experience, observing professionals, providing lessons in human relations, and earning money. Applying classroom learning to actual work experience provides students an opportunity to test their knowledge in specific areas while exploring career opportunities.

This part-time work experience is either major or career-related, can last one semester or longer and can be paid or unpaid. A student can earn a maximum of six credit hours toward graduation with each credit hour requiring 45 hours of work. Tuition for credits earned is the same as for all other courses. While Co-op is required of all Bachelor of Arts candidates, all students are encouraged to participate in this program. The co-op staff develops opportunities, provides support for students, monitors their progress, and interacts with faculty to create a program that links academics to the work place. Students and faculty are notified of current co-op jobs via e-mail, as well as posting on the career website.

COUNSELING
Counseling is a process through which a student can discuss any problems or concerns with a licensed professional counselor. This process may be voluntarily initiated by the student or as a result of referral by a faculty member, family member, friend, or professional in the community who may already be working with the student.

The choice to begin, continue, or terminate counseling is left to the student. Counseling services are free for all full and part-time students. The counseling relationship is protected by law and is strictly confidential. Referrals will be made to students who may require a special area of counseling or psychiatric care.

Counseling services include individual and group counseling, personal growth workshops, and education about mental health topics.

HEALTH SERVICES
Resident students needing health services may go to an off-campus facility located two miles from campus. Emergency Room services are provided for all students by an area hospital.

Students who are absent from classes because of illness or accident are expected to contact their professors to make up work missed.

Each residence hall student is required to complete a medical history form and submit an immunization record before attending classes. Residence hall students are required to have medical insurance. A student’s medical record is confidential and, except in an emergency, information from it is released only with the student’s permission.
Immunizations must be brought up to date; measles – mumps – rubella (MMR) second injections are mandatory for resident students.

RESIDENCE LIFE
The Residence Life program at Notre Dame College is designed to serve resident students in a variety of ways. Students are encouraged to live on campus if they are under 21 years of age, have earned less than 92 credit hours, are not married and are not living with parents or guardians. Residence life is an opportunity for students to participate fully in campus life and to increase their contact with other students, faculty, and staff.

Students residing on campus may live in one of three residence halls: Petersen, Harks or Providence. All on-campus housing is non-smoking. To encourage interaction among freshmen and upper-class students, there are no designated floors for class levels.

The two-room suites are furnished with desks, dressers and beds and have a private bath. Pending availability, they may be contracted as double or as private rooms. Telephone, internet access and cable TV access are provided by the College.

Resident Assistants (RAs) live on each floor and are trained to build community, meet student needs, plan social and educational programs, and encourage the personal growth and development of each resident. The Director of Residence Life supervises the Resident Assistants.

The Resident Association Board (RAB) is the student governing body within the residence hall. The Board consists of elected officers as well as representatives from each of the residence hall floors. They are responsible for planning programs to meet the needs of the residents; administering the budget for the residence hall community; and serving as a communication agent among students, staff and administrators. Students interested in developing leadership skills and strengthening interpersonal relationships will find that the RAB offers challenging and satisfying opportunities for involvement on campus.

Residents are required to contract with the College food service for meals, which are served in Connelly Dining Hall.

ACADEMIC SUPPORT CENTER
Located in the Clara Fritzsche Library, the Academic Support Center for Students with Learning Differences (ASC) is designed to support students with documented learning disabilities such as attention deficit disorder (ADD), attention deficit hyperactivity disorder (ADHD), and dyslexia. Services offered by the Center are voluntary and comprehensive, created to develop independence and self-advocacy. Among its services, the ASC provides tutoring, advising, and lessons on adaptive equipment.

THE DWYER LEARNING CENTER
The Dwyer Learning Center offers a program to assist students in achieving their academic ambitions and goals. The program provides extra academic support in the form of tutorial assistance for course-related problems. The Director and student tutors perform the tutorial services and communicate regularly with the students' instructors.

The Dwyer Learning Center assists with the coordination of Notre Dame College's placement testing in English, math and computer skills. The tests are given at scheduled dates during the summer and at the new student orientation each semester. Failure to take these tests at the earliest opportunity can delay a student's enrollment for specific classes. (See page 5 for more information.)

STUDENT DISABILITY SERVICES
Notre Dame College makes reasonable accommodations for students with disabilities. A qualified student with a disability may request support services from the Dean of Student Development and/or his/her designee. In order to receive services at Notre Dame College students with disabilities must provide appropriate documentation which meets state and federal standards for indicating the presence of a disability.

ORIENTATION
Orientation activities assist the student with his/her personal and academic development, offer the parents a better understanding of what entering students are about to experience at Notre Dame College and provide the faculty and staff an opportunity to develop relationships with new students before the academic year begins. All new traditional-age students and transfer students are encouraged to participate in Orientation activities.
Students participate in activities that allow them to meet other students. Faculty and staff are introduced to students. Programs on student services and academic success are a part of the agenda. While students become oriented to the campus, parents/guests also participate in an orientation so they are aware of the services available for their student.

A separate Orientation for WECO students and adult students is also planned according to the yearly schedule through the WECO office and Student Development.

FYI
 Appropriately called First Year Institute, orientation to Notre Dame College continues during the first semester with a unique, small-group experience. The first year of college is a critical period for student learning and persistence. It is a period of transition and adjustment, both academically and socially, during which students acquire important skills that furnish the foundation for subsequent learning. Small groups of students meet regularly with faculty and staff mentors and work toward the common goals of achieving academic success and developing a sense of community.

WHO'S WHO
 Each fall Notre Dame College selects from the current graduating class for membership in Who’s Who Among American Universities and Colleges. Who’s Who is a nationally respected honors program that spotlights students who have excelled in the areas of scholarship, leadership, service, and have the potential for future success. Applications are made to the Dean of Student Development who chairs the selection committee.

CLUBS AND ORGANIZATIONS
 Accounting Association
 Art Club
 BACCHUS
 Biology Club
 Black Scholars
 Bowling Club
 Business Club
 Campus Activities Board
 Chemistry Club
 Education Council
 Environmental Club
 Falcon F.A.N.A.T.I.C.S.
 Habitat for Humanity
 Masquers (dramatics)
 Multicultural Club
 Notre Dame News
 Phi Alpha Theta (history honorary)
 Pivot (literary magazine)
 Poetry
 Pre-law
 Psychology Club
 Resident Association Board
 SIFE (Students in Free Enterprise)
 Undergraduate Student Government
 Vocal Ensemble

Information regarding these organizations may be secured from the Director of Campus Activities and members of the Student Government.

UNDERGRADUATE STUDENT GOVERNMENT
 The Undergraduate Student Government (USG) is the central coordinating group for all student organizations. In addition to serving as the official voice of the students to the Notre Dame College administration, USG provides opportunities for students to gain leadership skills while working for the student body.

The USG plans a variety of events for the whole campus throughout the school year.

INTERNATIONAL EDUCATIONAL TRAVEL
 Opportunities are provided for students to travel abroad and earn college credit. Educational travel experiences guided by full-time college faculty are open to traditional, adult and WECO men and women. Students and faculty have traveled to Italy, Greece, France, Germany, the Czech Republic, Slovakia, Austria, Spain, and the British Isles.

INTERNATIONAL STUDENT SERVICES
 Part of Notre Dame College’s mission is to educate a diverse population of students for personal, professional and global responsibility. One of the best ways to achieve this mission is by welcoming students from around the world into our tight-knit community. The Student Development Team helps to foster cross-cultural understanding and diversity awareness on campus, while the Director of International Student Services serves as the point person for recruitment, retention, acculturation and immigration issues regarding international students. International students succeed at a small, liberal arts school like Notre Dame College because of the personal attention, nurturing environment, and low student-faculty ratio.
Students at Notre Dame College will be better prepared to understand the world we live in through first-hand experience with our international student population. The next few decades will not only need degree-individuals but those who have “worldly” knowledge as well – either through International Educational Travel, able to function in a second/third language, living with an international roommate, etc. At Notre Dame College, we’re changing the world... one student at a time. Open your mind to the possibilities!

TRADITIONS
Notre Dame College is a campus rich with traditions. Attendance at college-wide events is an integral part of the learning experience.

All College Formal - This semi-formal dinner dance is held annually in the spring.

All College Honors/Closing Convocation - This awards ceremony is held at the end of spring semester.

Career Day - Career Day, held in late February, provides students the opportunity to talk with employers about jobs and co-ops/internships.

Christmas Celebration and Lighting Ceremony - Near the close of fall semester, entertainment and a worship service are organized for Notre Dame College personnel, students, and their families to celebrate the holiday season.

Club of the Year - This award is given to the campus organization that works most successfully to improve the quality of student life.

Earth Day - The Notre Dame College community joins forces during spring semester to focus on environmental issues and to beautify the campus landscape.

Easter Dinner - During the Easter season, a family style dinner is served by faculty and staff to the students in the Connelly Center Dining Hall.

Founders’ Day - A celebration of the spirit of the founders of Notre Dame College, the Sisters of Notre Dame.

Senior Farewell Event - As a tribute to all graduating seniors, a reception is held in the spring.

Sibs & Kids Weekend - During spring semester, Notre Dame College students are encouraged to invite their Sibs to campus for a weekend of activities.

Thanksgiving Dinner - During the Thanksgiving season, a family style dinner is served by faculty and staff to the students in the Connelly Center Dining Hall.

INTERCOLLEGIATE ATHLETICS
As a member of the National Association of Intercollegiate Athletics (NAIA) and the American Midwest Conference (AMC), the largest NAIA league in the nation, Notre Dame College fields 17 teams in the sports of fastpitch, lacrosse, swimming and diving, and volleyball for women; baseball, tennis and wrestling for men; and basketball, cross country, golf, soccer and track and field for both women and men. Competitive events, as well as training opportunities, are available to student athletes within the Joseph H. Keller Center and its surrounding fields, in addition to several local facilities.

The intercollegiate athletic program at Notre Dame College grows naturally from the mission of the College. The program seeks to support the scholar athlete who achieves on the court or field, as well as in the classroom. A focus of each student athlete’s program is solid academic preparation and academic achievement.

The program has been implemented through the inauguration of team sports that focus on the enrollment of traditional students. Because of its size, the College affords athletes of varying abilities the opportunity for participation that might not be available to them at larger institutions.

INTRAMURALS AND RECREATION
The intramural and recreation program consists of individual and team activities for persons of all skill levels. Types and structures of events are determined according to interest and facility availability.
CATALOG

Students plan their course work according to the catalog under which they enter the College and remain continuously enrolled. If a new catalog is issued while a student is pursuing a degree, he/she may choose the new catalog and then follow all the new policies and requirements in their entirety. Permission to change catalogs is given by the academic advisor.

If a student withdraws from the College or is not enrolled for one academic year, he/she must follow catalog requirements and academic policies in effect at the time of readmission or new registration.

Limit of time: A student may enroll continuously for a degree under a single catalog for a maximum of ten years. After that time, credits will be evaluated for current majors in the catalog that is operative at the expiration of the ten-year limitation.

The numbering of the catalog is meant to distinguish course offerings in terms of difficulty and sequence. Lower biennium courses (100-200) are basic courses taken in the first two years. Upper biennium courses (300-400) are more advanced courses which build on the first two years' work.

LIBERAL ARTS EDUCATION

As a liberal arts college, Notre Dame strongly affirms its belief in the worth of the liberal and fine arts as values in themselves and further as a basis for all other undergraduate professional and technical studies. The General Education Requirements serve as a basis for students to share a common tradition of learning while pursuing an academic major. This core of liberal arts courses provides the means of striving for an integrated picture of the reality of God and humankind.

The General Education Requirements also lead students to address and develop the specific insights and competencies needed in our contemporary society.

To aid transfer students, General Education Requirements are stated in courses rather than credit hours. However, courses which are used to fulfill General Education Requirements or the academic major must transfer to the semester system at no fewer than two semester credits.

One of the objectives of the General Education Requirements is to provide students with learning experiences in disciplines other than their academic major. However, if a course is used to complete a section of the General Education Requirements and it is also part of the student’s major, it will usually fulfill both requirements. The credit hours, however, may be counted only once toward fulfilling the degree requirement of 128 semester credits for a baccalaureate degree or 64 semester credit hours for an associate degree.

GENERAL EDUCATION REQUIREMENTS (GERs)

The following courses fulfill the 42-43 credit General Education Requirements for a Bachelor of Arts or a Bachelor of Science Degree. A course may be used only once to fulfill a General Education Requirement, although these requirements may overlap with requirements for major or minor areas of study. Equivalent courses from other institutions may fulfill the General Education Requirements pending approval of the Registrar. Selected Topics courses that fulfill the core requirements will be listed in the Schedule of Courses.
<table>
<thead>
<tr>
<th>Area</th>
<th>Credits</th>
<th>Courses Satisfying Requirement</th>
<th>Notre Dame College Course Options</th>
<th>Prerequisite or Comment</th>
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</thead>
<tbody>
<tr>
<td>Written Composition</td>
<td>3</td>
<td>An English composition and writing course</td>
<td>EN 110 or EN 100/101 (EN 207)</td>
<td>Placement at initial enrollment</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
<td>A Public Speaking course</td>
<td>CA 100</td>
<td>IS 120 or Placement</td>
</tr>
<tr>
<td>Information Systems</td>
<td>3</td>
<td>An introductory Computer course</td>
<td>IS 220</td>
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<tr>
<td>Fine Arts</td>
<td>3</td>
<td>• Art or Music History course</td>
<td>AR 101, AR 209, AR 221, AR 223,</td>
<td>*MU 106 must be taken two times to fulfill requirement</td>
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<td></td>
<td></td>
<td>• Art or Music Appreciation course</td>
<td>AR 280, AR 290, AR 311, AR 312,</td>
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<td></td>
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<td>• Selected Art Studio courses</td>
<td>AR 313, AR 314, AR 316, AR 377,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MU 160, MU 211, MU 213, MU 320,</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>MU 106*</td>
<td></td>
</tr>
<tr>
<td>Literature</td>
<td>3</td>
<td>A literature course (not Children’s Literature)</td>
<td>EN 255, EN 256, EN 261, EN 262,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EN 281 or any literature course</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>numbered EN 331 or above</td>
<td></td>
</tr>
<tr>
<td>Scripture-inclusive Theology</td>
<td>2 or 3</td>
<td>A Theology course that includes the study of Scripture</td>
<td>TH 150, TH 321, TH 322, TH 325,</td>
<td>TH 150 is the recommended introductory course.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TH 371, TH 373, TH 374, TH 381,</td>
<td>TH 150 is not a prerequisite for other TH courses.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TH 382, TH 383</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A Pastoral Theology and Ministry Scripture course</td>
<td>PM 104, PM 105, PM 324, PM 327</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Theologies of Justice</td>
<td>TH 450</td>
<td>TH 450 must be taken at Notre Dame.</td>
</tr>
<tr>
<td>Philosophy</td>
<td>3</td>
<td>A Philosophy course</td>
<td>Any PH course</td>
<td>PH 180 is the recommended introductory course.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PH 180 is not a prerequisite for other PH courses.</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Current Ethical Problems</td>
<td>PH 480</td>
<td>PH 480 must be taken at Notre Dame.</td>
</tr>
<tr>
<td>Area</td>
<td>Credits</td>
<td>Courses Satisfying Requirement</td>
<td>Notre Dame College Course Options</td>
<td>Prerequisite or Comment</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>---------</td>
<td>------------------------------------------------------------------------------------------------</td>
<td>-----------------------------------</td>
<td>-------------------------</td>
</tr>
</tbody>
</table>
| Cross Cultural - International Studies | 3       | • A Modern Language course  
• A cross cultural or international Anthropology, Business, Literature, Social Science or Theology course  
• A course associated with travel abroad | See the annual schedule of course offerings for currently available cross-cultural courses. |                        |
| Science                             | 4       | A Biology, Chemistry, or Physics course with lab                                              | BI 105/106, BI 110/111, BI 112/113, BI 200/201, BI 230/231, CH 100/101, CH 111/113, CH 220/221, CH 225/226, PS 150/151, PS 180/181, PS 190/191, PS 200/201 | Recommended courses for non-science majors are BI 105/106, BI 200/201, BI 230/231, CH 220/221, CH 225/226 |
| Mathematics                         | 3       | A Math course appropriate to the major and beyond the developmental level                     | MA 120, MA 130, MA 131, MA 145, MA 175, MA 220, MA 221 | Placement |
| Social Sciences                     | 3       | A course in Economics, Geography, History, Political Science, Psychology or Sociology         | Any EC, GO, HI, PO, PY or SO course |                        |
| Health and Wellness                 | 3       | A Health and Wellness course                                                                  | HP 110 (traditional students)     |                        |
|                                     |         |                                                                                                | HP 112 (adult students)           |                        |
GENERAL DEGREE REQUIREMENTS
A candidate for a BACHELOR'S degree must meet the requirements listed below. The student shall
• have earned 128 semester hours of credit. (A semester hour is defined as one weekly, fifty-minute class period for a semester of fifteen weeks. Two or three hours of laboratory work are equivalent to one lecture period. The Weekend College Terms are semester equivalents, and the credit unit is a semester credit.)
• have successfully completed courses fulfilling the General Education Requirements and those in the chosen major field of study.
• have maintained a minimum 2.00 average in the major field. This includes all the courses indicated as requirements for the specific major or program. Students in Education are required to maintain a minimum 2.75 average.
• have attended Notre Dame College for at least one year, preferably the senior year, and shall have completed a minimum of thirty-two (32) semester credits of course work at Notre Dame College.
• have at least 64 credit hours from a four-year institution.
• have at least 45 credits of upper-biennium (300-400) courses.

A candidate for an ASSOCIATE'S degree must meet the requirements listed below. The student shall
• have earned 64 semester hours of credit.
• have successfully completed the General Education Requirements and those in the chosen major field of study.
• have attained a grade point average of at least 2.00 by the end of the first year of study.
• have maintained a minimum 2.00 average in the major field.
• have attended Notre Dame College for at least one semester and have completed a minimum of sixteen (16) semester credits of course work at Notre Dame College.

ASSOCIATE DEGREE PROGRAMS
The following General Education Requirements form the foundation for all associate in arts degree programs.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>1 course</td>
</tr>
<tr>
<td>Literature</td>
<td>1 course</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>1 course</td>
</tr>
<tr>
<td>Health Education</td>
<td>1 course</td>
</tr>
<tr>
<td>Science</td>
<td>1 course</td>
</tr>
<tr>
<td>Mathematics or Social Science</td>
<td>1 course</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>1 course</td>
</tr>
<tr>
<td>Philosophy</td>
<td>1 course</td>
</tr>
<tr>
<td>Theology</td>
<td>1 course</td>
</tr>
</tbody>
</table>

MAJOR FIELDS OF STUDY
To ensure a program of study characterized by both breadth and depth, each student is expected to pursue a major area of study in addition to the courses fulfilling the General Education Requirements.

The academic major deepens the student’s knowledge in a particular field and provides the perspective from which to view a complex universe.

Degree candidates are encouraged to choose a major by the end of the sophomore year. In some majors, however, an intent for a major needs to be made apparent in the first year in order to fulfill all requirements in four years. This situation is particularly true in the natural sciences, mathematics, and education. Some other disciplines may also encourage early determination.

Some programs have both entrance and graduation requirements for a specific grade point average during the time of study. The Education Division requires a minimum 2.75 average and the Intelligence Analysis and Research program requires a minimum 3.0 average for formal admission and for continuation in the program.

All others require a minimum cumulative 2.00 average in the major courses as well as a minimum cumulative 2.00 average in all other courses for the degree.
MINOR FIELDS OF STUDY
Notre Dame College provides a wide variety of disciplinary minors. Minors allow students to have a meaningful concentration of courses in areas that may be of value in support of the major. Carefully chosen minors can be an asset in obtaining employment and in facilitating career change.

Requirements for minors generally range from 18-24 credit hours.

DOUBLE MAJOR
Some students may wish to complete two majors while at Notre Dame College. The student completes all the requirements in effect in the catalog for each major. If the two majors are listed under different degrees in this catalog, the student chooses to receive either a Bachelor of Arts (BA) or a Bachelor of Science (BS) degree. Only one degree will be granted to any student at the time of graduation.

The student must be aware that it may not be possible to complete two majors in only four years.

PROGRAMS OF STUDY
Majors, minors, and areas of certification are listed here. See the indicated discipline’s section of the catalog for specific requirements.

DEGREE PROGRAMS
A Bachelor of Arts (BA) degree is available with these majors:
Accounting (Business Administration)
Biology
Chemistry
Communication
Education
English
Graphic Design (Art)
History/Environmental Science
Management Information Systems (Business Administration)
Management (Business Administration)
Marketing (Business Administration)
Mathematics
Political Science
Psychology
Studio Art
Theology

Interdisciplinary Majors (Bachelor of Arts degree)
Graphic Communication (Art)
Human Resources Development (Business Administration)
Public Administration (History/Political Science)
Public Relations (Communication)
Sports Management (Business Administration)

Individually Designed Majors (Bachelor of Arts degree) and Minors
The Individually Designed Major or Minor is intended for the student whose talents and career goals aim at a field of study different from those in the current catalogue. It is the exceptional student who, with the guidance of at least two faculty members and subsequent approval, can design a major. This curriculum is conceived with a clear internal coherence and purpose. It is not simply a random collection of courses.

A student with a GPA of at least 3.0 may apply. Approval should be obtained before the end of the sophomore year. Exceptions may be made for transfer students. Forms for Application and Guidance for Procedure are available in the Office of Student Records.

A Bachelor of Science (BS) degree is available in these majors:
Biology
Chemistry
Mathematics

An Associate in Arts (AA) degree is available with these majors:
Business Management
Education Paraprofessional
Pastoral Ministry

An Associate in Sciences is available with a major in Health Sciences.

An R.N. to BSN completion program is also available.
Minors are available in these areas:
Accounting
Art
Art History (Art)
Biblical Studies (Theology)
Biology
Chemistry
Coaching (Health/Physical Education)
Communication
Economics
Education: Adolescent/Young Adult (7 - 12)
English
Entrepreneurship (Business Administration)
Financial Services Management (Business Administration)
Fine Arts
Graphic Communication (Art, Communication)
Health Education
History
International Business (Business Administration)
Management (Business Administration)
Management Information Systems (Business Administration)
Marketing (Business Administration)
Mathematics
Multimedia (Art, Information Systems)
Philosophy
Programming (Business Administration)
Psychology
Spanish (Modern Languages)
Theater
Theology
Women’s Studies
Writing (English)
Youth Ministry (Theology)

LICENSURE AREAS

Early Childhood Education (Pre-K - Gr. 3)

Middle Childhood Education (Gr. 4 - 9)
Areas of Concentration—choose two
Mathematics
Reading and Language Arts
Science
Social Studies

Adolescent/Young Adult Education (Gr. 7 - 12)
Majors:
Integrated Language Arts
Integrated Mathematics
Integrated Social Studies
Life Sciences
Life Sciences and Chemistry

Multi-Age Education (Pre-K - 12)
Mild/Moderate Intervention Specialist
Spanish
Visual Arts

CERTIFICATE PROGRAMS
Accounting (Business Administration)
Advanced Certificate in Pastoral Ministry
Basic Certificate in Pastoral Ministry
Entrepreneurship (Business Administration)
Management (Business Administration)
Management Information Systems (Business Administration)
Marketing (Business Administration)
Theology Certification for Teaching Religion for Grades 7-12

GRADUATE PROGRAMS
Graduate programs are offered in education. For further information, please contact the Office of Adult and Graduate Admissions at 216.373.5173 for a copy of the graduate bulletin, or logon to www.notredamecollege.edu/academics/graduatePrograms.html.

ALTERNATIVE METHODS OF LEARNING ASSESSMENT
Notre Dame College acknowledges the fact that learning acquired outside the traditional classroom setting can be equivalent to college-level learning. When this knowledge has been properly documented and assessed, academic course credit may be granted by the College. The number of credits earned through alternate methods of learning assessment may not exceed 32 semester hours. Credits earned through this process must be requested before the beginning of the academic year in which the degree is to be granted. Credits granted in this manner will be listed as part of the student’s official academic record only after all appropriate fees have been paid. All credits will be subject to the approval of the division chairperson and the Vice President for Academic Affairs.
Experiential Learning Credits
Those who have acquired academic knowledge or skills through direct experience, in-service training or non-credit classes may have it validated for college credit. Students will do this through a process called portfolio assessment. Portfolio assessment may not be accepted for credit in certain areas or for certain courses. A student should contact the appropriate division chairperson for more information.

Proficiency Examinations
Examinations to demonstrate subject matter competency may be taken for credit or non-credit validation for a small fee. Such examinations may not be used to raise an existing grade. A level “C” is the minimum acceptable level for credits earned through examination. A student should contact the appropriate division chairperson for more information.

College Level Examination Program (CLEP)
Nationally-normed CLEP examinations are accepted at Notre Dame College to validate knowledge of both general and specific subject areas. CLEP exams may not be taken in areas already successfully completed for course credits. A student should contact the Office of Student Records for more information.

Independent Study and Laboratory Research
To foster independent learning, Notre Dame College encourages talented students to pursue Independent Study Projects and Laboratory Research Projects.

A student with senior standing and a minimum grade point average of 3.00 both in his/her general studies and in the major field of study may qualify for these options.

For Independent Study, a student works with a faculty member who helps him/her define the project, and develop the learning objectives and the method of presentation for the project. A student who wishes to pursue a laboratory research project follows the same procedure and may choose to work with a faculty member who is carrying out a large research project.

The grade and credits earned for the project are included in the academic major and general degree requirements for graduation.

Cross-Registration
Full-time students can broaden the scope of their educational opportunities through a system of cross-registration. Each term or semester, students in good academic standing may enroll in one undergraduate course, elective or required, at any of the participating colleges and universities in Greater Cleveland. There is no additional tuition charge, but cross registrants are responsible for their own transportation and any laboratory or special course fees required for the host institution’s course. First-year students are not encouraged to cross-register. For further information, students should contact the Office of Student Records.

Center for Professional Development
Professional Development
The Center for Professional Development at Notre Dame College provides ongoing professional development for teachers, social workers, and human services and business personnel. Flexibly-scheduled courses cover a broad range of topics in education, mental retardation/developmental disabilities, business, leadership, technology, and athletic coaching.

Certificate Programs:
Certificate programs are offered in Intelligence Analysis, Competitive Intelligence, and Athletic Coaching. Most offerings can be taken for either continuing education, undergraduate credit or graduate credit.

Continuing Education:

- Notre Dame College is an approved provider of Social Worker Continuing Professional Education (CPE) by the Ohio State Social Worker and Counseling Board.
- Notre Dame College is an approved provider for Counselor Continuing Professional Education (CPE) by the State of Ohio Counselor and Social Worker Board.
- Notre Dame College is an approved provider of continuing education credits (CEC) for adult services, case management, and early intervention by the Ohio Department of Mental Retardation/Developmental Disabilities (ODM RDD).
• Educators needing Continuing Education Units (CEU) must seek approval from their Local Professional Development Committee (LPDC).
• Notre Dame College is an approved provider of Ohio Department of Education, Pupil Activity First Aid Program.

Senior Citizens:
Notre Dame College invites men and women sixty years of age and older to take a course for enrichment at the undergraduate level for a reduced rate. Enrollment is limited to offerings that are not fully enrolled and all other conditions are met. Seniors may take Center for Professional Development offerings at a continuing education level on a space-available basis.

For more information contact the Center for Professional Development at 216.373.5219 or visit our Website at www.notredamecollege.edu, and click on professional development.

OTHER POLICIES AND PROCEDURES
Classification of Students
A DEGREE-SEEKING STUDENT is one who follows a planned program of studies at Notre Dame College leading to a degree. Minimum credit requirements for class standing are as follows:

Sophomores  28 semester credits  
Juniors      62 semester credits  
Seniors     92 semester credits

A FULL-TIME STUDENT is one who carries twelve (12) or more credits per semester. A student with a high scholastic average may, with the permission of the Vice President for Academic Affairs, carry more than nineteen (19) semester credits during a given semester.

A PART-TIME STUDENT is one who is registered for fewer than twelve (12) semester credits per semester.

AN AUDITOR is a student permitted to attend classes on a non-credit basis. Requirements to be met by auditors are set by individual instructors.

PLAGIARISM
Plagiarism, a serious academic offense, occurs when an individual presents the ideas, thoughts or words of another as his/her own. Some examples of plagiarism include the following:

• Using phrases, sentences or ideas from a published source, including the Internet, without adding a footnote or bibliographic reference;
• Putting forward another person’s unpublished work as one’s own;
• Rewriting or paraphrasing the work of another person without giving credit to that person for thoughts, ideas or words through the use of a footnote or bibliographic reference;
• Submitting a paper as one’s work which has been copied, in whole or part, from another source (including Internet sources) as one’s own work.

An assignment containing plagiarized material will receive a grade of “F,” seriously affecting the student’s final grade in the course. All incidents of plagiarism are reported to the Vice President for Academic Affairs, and a letter citing the incident is included in the student’s official file. Should a second incident of plagiarism occur during the student’s pursuit of a degree, he/she will earn an “F” in that course, and a letter regarding the incident will be entered into the student’s official file. Should a third incident of plagiarism occur, the student will be dismissed from the college; his/her readmission is unlikely. All letters in the student’s file will be destroyed upon graduation.

STUDENTS WITH DISABILITIES
Notre Dame College makes reasonable accommodations for students with disabilities. A qualified student with a disability may request support services from the Learning Center on a yearly basis. In order to receive services at Notre Dame College, students with disabilities must provide documentation such as a statement from a medical doctor or licensed psychologist which meets state and federal standards for indicating the presence of a disability.
TRANSFER STUDENTS/TRANSFER CREDITS

Students wishing to transfer from a regionally accredited college or university will be admitted to advanced standing upon presentation of satisfactory evidence of scholarship and character.

Credits will be given for courses which correspond with the curriculum offered at Notre Dame College in which the applicant received a grade of “C” (2.0) or better, which are from regionally accredited institutions, and which are not considered remedial. Generally a 2.50 grade point average on a 4.00 scale is required. Transferred courses carry the credit hours earned only.

Credits which are five years old or older will be evaluated on the basis of the student’s general achievement profiled on the transcript, and the student’s declared academic major at Notre Dame College. Transfer credit is not granted for courses that duplicate coursework taken at Notre Dame College.

STANDARD FOR COMPLETION OF PROGRAMS OF STUDY

Full-time students normally complete requirements for a Bachelor’s Degree in four academic years (eight semesters). Students entering the College under less than Full Admission may take as many as five academic years (ten semesters) to complete requirements for a Bachelor’s Degree. Students in certain majors and those who choose to earn a double major may also need more than eight semesters to complete their degrees.

Students consistently enrolled on a part-time basis will take a proportionately longer period of time to complete requirements for a degree.

Students are normally expected to carry to completion courses for which financial aid is being received. “Carrying to completion” is defined as receiving one of the following grades: A, A-, B+, B, B-, C+, C, C-, D, F, P, CR, NC.

Although students may drop a course for significant reasons, they are normally expected to carry 75-80% of courses per semester to completion (4 courses per semester for full-time students).

Since a 2.00 GPA is required for graduation, it is also assumed that 2.00 is the minimum average a student must maintain in order to be considered in good standing or making satisfactory progress toward a degree.

A student earning less than a 2.00 cumulative average is placed on academic probation. A student who does not make satisfactory academic progress may be declared academically ineligible to continue at Notre Dame College by the Vice President for Academic Affairs. The student will receive a letter regarding academic status with a recommended and/or required course of action. Students who do not have a 2.00 grade point average by the end of the sophomore year are usually not permitted to continue studies at Notre Dame College.

FINANCIAL AID RECIPIENTS

If a student does not achieve a 2.00 GPA, and if it is judged that the student should be permitted to continue to attend classes, the student may be eligible for certain portions of the financial aid package if the other conditions for financial aid eligibility have been met. The student must demonstrate steady improvement toward the 2.0 GPA.

GRADING SYSTEM

Letter grades are used to indicate academic achievement in accord with the standards of scholarship maintained at Notre Dame College. The interpretation of each grade and its corresponding point values are specified below:

<table>
<thead>
<tr>
<th>NUMERICAL EQUIVALENT</th>
<th>QUALITY POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A = 93-100%</td>
<td>4.0 per credit hour</td>
</tr>
<tr>
<td>A- = 90-92%</td>
<td>3.7 per credit hour</td>
</tr>
<tr>
<td>B+ = 87-89%</td>
<td>3.3 per credit hour</td>
</tr>
<tr>
<td>B = 83-86%</td>
<td>3.0 per credit hour</td>
</tr>
<tr>
<td>B- = 80-82%</td>
<td>2.7 per credit hour</td>
</tr>
<tr>
<td>C+ = 77-79%</td>
<td>2.3 per credit hour</td>
</tr>
<tr>
<td>C = 73-76%</td>
<td>2.0 per credit hour</td>
</tr>
<tr>
<td>C- = 70-72%</td>
<td>1.7 per credit hour</td>
</tr>
<tr>
<td>D = 65-69%</td>
<td>1.0 per credit hour</td>
</tr>
<tr>
<td>F = 0-64%</td>
<td>0.0 per credit hour</td>
</tr>
</tbody>
</table>
If a student earns an “F” as a final grade in a required course, the course must be repeated. If a student repeats a course in which an “F” or “D,” grade was received, and in so doing earns a higher grade, that higher grade will replace the former in computing the GPA. A course may be counted only once toward graduation requirements. No course may be repeated more than once unless permission is obtained from the Vice President for Academic Affairs.

CR/NC (Pass/Fail) are grades which may be earned in specific instances. CR (Pass) means that a student has achieved a grade of “C” or higher in a course; however, the grade is not computed into the student’s grade point average. NC (Fail) means that a student has not earned academic credit. Ordinarily, a maximum of one course per semester may be taken on a Pass/Fail basis.

Normally, courses which the student may take on a Pass/Fail basis must be outside

• the General Education Requirements of the College
• the requirements of the student’s major or area of certification.

Change of registration from CR/NC to a letter grade or vice versa must be carried out through the Office of Student Records during the first week of the semester.

Departments may declare which of their course offerings may be open for the Pass/Fail option, as well as the number of students who may be admitted on a Pass/Fail basis.

A student who wishes to contest a course grade must initiate the appeal process in writing no later than two weeks after the date the grade was issued.

The designation of “Incomplete” is not a grade. It denotes a limited period of time allotted for a student to complete a course after the end of the term because of extenuating circumstances. An Incomplete is granted only upon the student’s request and with permission of the instructor. If the “I” is not removed within six weeks after the last day of examinations for semester courses, or two weeks after the last day of examinations for Weekend College courses, the grade is automatically changed to an “F.”

W (Withdrawal) indicates the student has withdrawn with permission while passing and within a specified time limit.

F (Withdrawal without Permission) or after the specified time limit.

ATTENDANCE AT CLASSES
Attendance regulations reflect the effort of Notre Dame College to admit students who can be responsible for their educational progress. It is expected that the student attend each meeting of a course. Attendance policies, however, are set by the instructor, and the student must adapt to the demands of each course. In case of unsatisfactory work because of excessive absence from class, the instructor may give ample warning to the student and then recommend that the student drop the course up to the deadline established for withdrawal.

ACADEMIC PROBATION
A report of scholarship is given to the student at the close of each semester. A student whose grade point average is below 2.00 is placed on academic probation. Unless the student gives evidence of scholastic improvement during the semester after being placed on probation, the student may be declared academically ineligible to return to Notre Dame College.

Scholastic improvement means that the grade point average has been raised above the average of the previous semester. If the student is dismissed, he/she may request reinstatement only under certain conditions. (Please see Reinstatement in the Admission section.)

WITHDRAWAL FROM COURSES
A student may drop a course and add another only during the first week of the semester. A student may drop a course after the opening week of classes until the 10th week of the semester with a designation of “W” with permission of the Office of Student Records. No new classes may be added. In the Weekend College no courses may be added once the term has begun. A course may be dropped with a designation of “W” before the 4th session of the course. There is a drop/add fee for this service. The student also needs to examine the financial policies statement regarding any refunds for tuition.
TRANSCRIPTS OF RECORD
Requests for official transcripts of record must be made in writing by the individual student concerned, presented in person, or mailed to the Office of Student Records. For each transcript, the current fee should accompany the written request. **TRANSCRIPTS AND GRADES WILL NOT BE ISSUED FOR PERSONS WHO HAVE A FINANCIAL OBLIGATION TO NOTRE DAME COLLEGE.**

HONORS AND AWARDS

Graduation With Honors
To be eligible for graduation with honors, “cum laude,” a student must earn a grade point average of 3.50; for graduation “magna cum laude,” he/she must earn an average of 3.75; for “summa cum laude,” he/she must earn an average of 3.90. Furthermore, the student must have earned at least 128 semester credits, including 64 from Notre Dame College.

Dean’s List (Day/Evening Students)
In recognition of academic excellence, a Dean’s List is compiled each academic semester. To qualify, a student must have an average of 3.50 or greater and must have completed 12 or more hours of graded course work by the end of that semester. An incomplete grade (I) precludes such recognition.

President’s List (Day/Evening Students)
In recognition of a superior level of academic achievement, a President’s List is compiled each academic semester. To qualify, a student must have an average of 4.00 and must have completed 15 or more hours of graded course work by the end of that semester. An incomplete grade (I) precludes such recognition.

Dean’s List (Weekend College Students)
In recognition of academic excellence, a Dean’s List is compiled each WECO Term. To qualify, a student must have an average of 3.50 or greater and must have taken a graded course in each time slot of that Term. An incomplete grade (I) precludes such recognition.

President’s List (Weekend College Students)
In recognition of a superior level of academic achievement, a President’s List is compiled at the end of WECO Term III. To qualify, a student must have an average of 4.00 and must have completed three consecutive WECO terms in a given academic year and must have taken a course in each time slot of each of the three Terms.

Dean’s List (Combination Students)
Students doing work in both Semester and Weekend College are Fall Dean’s List-eligible if they meet the qualifications in any combination of Semester I and WECO I courses, and Spring Dean’s List-eligible if they meet the qualifications in any combination of Semester II, WECO II and WECO III courses. Dean’s List qualification requires a student to have earned a GPA average of 3.5 or better and have completed 12 or more hours of graded work within the designated time frame.

President’s List (Combination Students)
Students doing work in both Semester and Weekend College are Fall President’s List-eligible if they meet the qualifications in any combination of Semester I and WECO I courses, and Spring President’s List-eligible if they meet the qualifications in any combination of Semester II, WECO II and WECO III courses. President’s List qualification requires a student to have earned an average GPA of 4.00 and have completed 15 or more hours of graded work within the designated time frame.

St. Catherine Of Alexandria Medal
The Medal of St. Catherine of Alexandria is awarded annually by Kappa Gamma Pi to a Master’s Degree candidate at Notre Dame College on the basis of unusual and unselfish service to the College.

Sr. Mary Agnes Bosche Award
The Sr. Mary Agnes Bosche Award is presented to a traditional undergraduate student. The recipient is chosen based on his or her embodiment of the qualities evident in the life and service of Sr. Mary Agnes Bosche, SND. The recipient must demonstrate honesty and trustworthiness, a commitment to excellence, and selfless service to Notre Dame and the larger community.

Sr. Mary LeRoy Finn Award
The Sr. Mary LeRoy Finn Award is conferred upon an adult student who has demonstrated academic excellence and leadership qualities in and out of the classroom. The recipient must have attained a minimum grade point average of 3.5. He or she must also embody the characteristics inscribed on the custom-made award presentation bowl: “Scholarly, Catalyst, Diligent, Spiritual, and Resilient.”
Kappa Gamma Pi
The national Catholic college graduate honor society admits ten percent of the graduating class to its membership. Graduating seniors are selected by the faculty. Criteria for membership include qualification for graduation with academic honors, demonstrated leadership and service during the undergraduate years, and strong indications that the students will assume leadership in the future in their Church, or larger civic or professional community.

Who's Who
Each year the seniors elect 10% of their class into membership of Who's Who Among Students in American Universities and Colleges. Election is based on participation in campus life, activities, service, and leadership.

STUDENT DEVELOPMENT
LEADERSHIP AWARDS
These awards are presented to students who have been leaders in a formal way as well as to those who contribute in a supportive, behind-the-scenes manner. Students selected for Who’s Who are ineligible.

ACADEMIC AWARDS
A number of disciplines have special awards for high achievement:

Biology
• Award for the senior with the highest grade point average in biology as well as the highest cumulative average.

• In addition, the Sr. Patricia Hlivak Memorial Award for outstanding service to the biology department.

• O’Neill Scholarship Award.

Business Administration
• Outstanding Business Student Award (for a graduating senior)

• Financial Executives Institute Outstanding Graduate Award for Accounting/Finance majors.

• Dan Connelly Award for outstanding sophomore and junior Business majors.

Chemistry
• The Outstanding Chemist Award for a graduating senior.

• Freshman Chemistry Award for high achievement in freshman chemistry.

• O’Neill Scholarship Award.

English/Communication/Theater
• Hoover-Takacs Award for Excellence in English (for graduating seniors).

• Marguerita C. Banks Award for Excellence in Communication (for a graduating senior).

• Quinlivan-Burke Award for Excellence in English (for a junior).

• Carl and Dorothy Harig Award in English & Communication.

Fine Arts
• Certificate for excellence in Fine Arts.

Mathematics
• The Sr. Mary Cleophas Award for Excellence in Mathematics.

Modern Languages
• American Association of Teachers of Spanish and Portuguese for Excellence in Spanish.

• Special Award in Spanish for Excellence in Basic Spanish.

Social Science
• Plaque for Distinguished Work in History/Political Science.

• Membership in Phi Alpha Theta International Honor Society in History.

Psychology
• The John Arthur Award for Excellence in Psychology.

Special Awards
• Greater Cleveland Connection Intern of the Year Award.

• Taylor and Smith Scholarship Award.

• The Tuesday Study Club Scholarship.
DISTINGUISHED FACULTY AWARD
Since 1981, the Distinguished Faculty Award has been presented annually to a full-time faculty member selected by a faculty committee from nominations made by students, alumni, and faculty. The criteria include excellence in teaching, scholarship, and College and community service.

Recent recipients of the award have been:

Marilyn S. Jones, Ph.D. 1995
Roslyn Scheer-McLeod, M.A. 1996
Helen M. Burdenski, SND, D.B.A. 1997
Rachel Morris, M.A 1998
Sandra Grassman, M.B.A. 1999
Beth Anne Tercek, SND, Ph.D. 2000
Inge Schmidt, Ph.D. 2001
Stephen M. Felch, Ph.D. 2002
Barbara Sposet, Ph.D. 2003
Sharon Balchak, Ph.D. 2004
Bruce W. Jones, Ph.D. 2005
Sr. Eileen Quinlan ’74, SND, Ph.D. 2006

OUTSTANDING TEACHING AWARD
In 1987 the Outstanding Teaching Award was instituted to recognize the excellent teaching done by part-time faculty who are a regular part of the teaching staff each year. Based on nominations from students, alumni, and faculty, the criteria for selection include excellence in teaching, service, availability to students, and a commitment to the mission of the College.

Recent recipients of the award have been:

Sr. Mary St. Martha Conrad, SND, M.S. 1995
Marilyn Farinacci, M.F.A. 1996
Kenneth Palko, M.A. 1997
Francis Warnement, M.A. 1998
Lisa Schonberg, M.F.A. 1999
Martin Poluse, Ph.D. 2000
Marilyn Farinacci, M.F.A. 2001
Bernard S. Jesiolowski, Ph.D. 2002
Kenneth Palko, M.A. 2003
Amy Kesegich, Ph.D. 2004
Sr. Mary Karita Ivancic, SND, Ph.D. 2005
Carolyn Leitman, Ph.D. 2006
ART

Studio and Professional Art Programs Goals
The student interested in the visual arts has four options within the fine arts department: studio art, art education, graphic communication or graphic design. The majors seek to help the student develop his or her particular strengths in a chosen major and to prepare for a career as a working artist, art educator or graphic designer. The strong programs in computer graphics and multi-media will enhance all art majors and lead to entry-level positions in the area of graphic design, web design, multi-media design or a combination of computer-based design work.

STUDIO ART MAJOR
48 Credits
Program Goals:
1. Studio art majors will gain studio skills in a variety of techniques and media that will qualify the artist for graduate studies or a career in the visual arts. Mastery of skills will be demonstrated in the form of a senior art exhibition.

2. Studio art majors will demonstrate expertise and studio competency presented in the form of a senior art portfolio. This portfolio will prepare students for art competition or job interviews and serve as a record of studio progress.

Requirements: 42 Credits
AR 101 Drawing
AR 114 Introduction to Graphic Design
AR 209 Photography I
AR 221 Basic Design
AR 222 Color and Design
AR 311 Art History I: Ancient to Medieval
AR 312 Art History II: Renaissance to Modern
AR 325 Printmaking I
AR 341 Painting I
AR 371 Three-Dimensional Design
AR 377 Ceramics I
AR 490 Professional Practices
AR 491 Senior Studio I
AR 492 Senior Studio II

Emphasis: 3 Credits
All studio majors are required to select an area of emphasis after completing foundation courses and prior to AR 490 and AR 491. Students may select from the list below for a concentration.
AR 102 Drawing II
AR 210 Photography II
AR 326 Printmaking II
AR 342 Painting II
AR 378 Ceramics II

Art Electives: 3 Credits
Studio art majors will receive a portfolio review after the completion of the foundation art courses: AR 101, 114, 209, 221, 222, 325, 341, 371, and 377 and before they are permitted to register for Art 491. A professional portfolio is required as part of the course work in Art 491 and is presented before the entire art faculty. A senior art show is required of all studio art majors and must be presented prior to graduation and after taking AR 491 and 492.

GRAPHIC COMMUNICATION MAJOR
48 Credits
Program Goals:
1. The graphic communication major will have exposure to and experience using the latest computer software and hardware. This will prepare designers for entry level positions in the field of graphic design, positions in which communication, writing and design skills are necessary or for graduate school.

2. Majors will accumulate a body of graphic design work and professional writing in the form of a graphic design portfolio that will emphasize both design and communication competency.

Art Requirements: 33 Credits
AR 101 Drawing I
AR 114 Introduction to Graphic Design
AR 209 Photography I
AR 221 Basic Design
AR 222 Color and Design
AR 223 Graphic Design I
AR 224 Graphic Design II
AR/IS 243 Multimedia Development
AR 300 Graphic Design III
AR 314 Impressionism to Today
AR 491 Senior Studio
Art Electives Required: 3 credits in elective AR courses. Recommended for graphic communication majors:
AR/IS 365 Web Site Design and Development

Co-op Requirements: 3 Credits
AR 295, 395, or 495 Cooperative Education

Communication Requirement: 3 Credits
CA 250 Mass Communications

Communication Requirements: 6 Credits
Choose 6 credits from:
CA 220 Newswriting
CA 305 Film Studies
CA 313 Event/Play Production Apprenticeship
CA 323 Writing for the Non-Print Media
CA 324 Writing for Publication
CA 374 Presentation Techniques
EN 318 Creative Writing

Graphic communication majors will receive a portfolio review after the completion of the foundation courses: AR 101, 114, 209, 221, 222, 223, 224 and 325 and before they are permitted to register for Art 491. A portfolio is required as part of the coursework in Art 491 and is presented before the entire art faculty.

GRAPHIC DESIGN MAJOR
51 Credits

Program Goals:
1. Graphic design majors will have exposure to and experience using the latest computer software and hardware. Additionally, the student will develop an understanding of graphic design theory and feel competent in developing an individual style.

2. Design majors will have access to and experience in multimedia and web design and be competent in using these tools as a graphic designer. The student will be prepared for an entry-level position using a multitude of design tools and techniques.

Art Requirements: 45 Credits
AR 101 Drawing
AR 114 Introduction to Graphic Design
AR 209 Photography I
AR 221 Basic Design
AR 222 Color and Design
AR 223 Graphic Design I
AR 224 Graphic Design II
AR/IS 243 Multimedia Design
AR 300 Graphic Design III
AR 400 Graphic Design IV
AR 314 Impressionism to Now
AR 325 Printmaking I
AR/IS 365 Web Design
AR 371 Three Dimensional Design
AR/IS 443 Advanced Multimedia Design

Business Requirements: 3 Credits
BU 301 Consumer Behavior
BU 390 Advertising

Co-op Requirements: 3 Credits
AR 295, 395 or 495

Students will receive a portfolio review after the completion of foundation courses AR 101, 114, 209, 221, 222, 223, 224, 300, 325 and 371 and before they are permitted to register for AR 400. A portfolio is required as part of the coursework in AR 400 and is presented before the entire art faculty.

MULTI-AGE LICENSE IN VISUAL ARTS
(Gr. P-12)
45 Credits

Requirements: 45 Credits
AR 101 Drawing I
AR 102 Drawing II
AR 114 Introduction Graphic Design
AR 209 Photography
AR 221 Basic Design
AR 222 Color and Design
AR 311 Art History I: Ancient to Medieval
AR 312 Art History II: Renaissance to Modern
AR 325 Printmaking I
AR 341 Painting I
AR 360 Art Methods
AR 371 Three-Dimensional Design
AR 377 Ceramics I
AR 490 Professional Practices
AR 491 Senior Studio*

Recommended Course: 3 Credits
AR 314 Impressionism to Now

Student teaching should reflect a broad range of developmental experience from elementary through secondary.

See EDUCATION for Professional Education Requirements.
Art education majors will receive a foundation portfolio review after completing foundation courses, AR 101, 114, 209, 221, 222, and 325, 341, 371, 377 and before they are permitted to register for AR 491.

All students seeking a B.A. degree in art education (P-12) must present their portfolios as part of the course work in AR 491. The final review is presented before the entire art faculty.

* Senior Show options: An art education major may also choose to present a senior art show after completing AR 492.

FINE ARTS MINOR
18 Credits
Art History Requirements—6 Credits from:
AR 311 Art History I: Ancient to Medieval
AR 312 Art History II: Renaissance to Modern
AR 313 Women Artists: Historical Survey
AR 314 Impressionism to Today
AR 316 American Art

Studio Art Requirements—6 Credits from:
AR 101 Drawing I
AR 114 Introduction to Graphic Design
AR 209 Photography I
AR 221 Basic Design
AR 222 Color and Design
AR 223 Graphic Design I
AR 325 Printmaking I
AR 341 Painting I
AR 371 Three Dimensional Design
AR 377 Ceramics I

Music Requirements—6 Credits from:
MU 160 Music Appreciation
MU 211 Music History I
OR
MU 212 Music History II
MU 213 Jazz Appreciation
MU 320 Music and Art: Historical Survey

GRAPHIC COMMUNICATION MINOR
24 Credits
Requirements:
AR 114 Introduction to Graphic Design
CA 220 Newswriting
CA 250 Mass Communication
AR 209 Photography I

ART HISTORY MINOR
18 Credits
Requirements:
AR 311 Art History I: Ancient to Medieval
AR 312 Art History II: Renaissance to Modern

12 credits from the following:
AR 280 Art Appreciation: An Experimental Approach
AR 313 Women Artists: Historical Survey
AR 314 Impressionism to Today
AR 316 American Art

ART MINOR
18 Credits
Requirements:
AR 101 Drawing I
AR 221 Basic Design
AR 222 Color and Design

9 credits from:
AR 114 Introduction to Graphic Design
AR 209 Photography I
AR 223 Graphic Design I
AR 325 Printmaking I
AR 340 Painting I
AR 371 Three-Dimensional Design
AR 377 Ceramics I

MULTIMEDIA MINOR
18 Credits
Required Courses:
AR 114 Introduction to Graphic Design
AR 221 Basic Design

12 credits from:
AR 223 Graphic Design I
AR 224 Graphic Design II
AR/IS 365 Web Site Design and Development
AR/IS 243 Multimedia Development
AR/IS 443 Advanced Multimedia Development
COURSE OFFERINGS

AR 101 Drawing I 3 cr.
A foundation course designed to acquaint the student with the basics of pictorial form. Using the human figure and other subject matter, emphasis will be placed on drawing principles of line, shape, mass, light and shade, perspective and space, surface and structure. The emphasis will be on experimenting with a variety of media. Two, two-and-one-half hour lab periods weekly.

AR 102 Drawing II 3 cr.
Continuation of AR 101. Designed to further develop the student’s perceptual and conceptual drawing skills. Students are encouraged to experiment and explore assigned problems. Two, two-and-one-half hour lab periods weekly. Prerequisite: AR 101.

AR 103 Life Drawing 2 cr.
An introduction to drawing the human figure emphasizing the fundamentals of structure. Includes the study of the human skeletal and muscular systems as they apply to drawing a likeness. One, two-and-one-half hour lab period weekly. Prerequisite: AR 101.

AR 114 Introduction to Graphic Design 3 cr.
The entry level course for the graphic design major providing the student design elements and principles for the method of problem solving, group critiques as well as practical and hands-on application of specific graphic design problems. Emphasis will be placed on traditional techniques with a transition to cyber-based technology. Two, two and one half-hour lab periods weekly. Prerequisite: AR 101.

AR 191, 192, 193, 194 Selected Topics 1-3 cr.

AR 200 Calligraphy I 2 cr.
Fundamentals of basic lettering, layout, and composition. One two-hour lab period weekly.

AR 201 Calligraphy II 2 cr.
A continuation of lettering fundamentals with emphasis on mastering a chosen alphabet. Concentration on layout, composition, and color. One two-hour lab period weekly. Prerequisite: AR 200.

AR 209 Black and White Photography I 3 cr.
An introduction to the basic elements of black and white photography. Fundamental camera and darkroom techniques are studied. Emphasis on photography as an interpretive and illustrative medium in art. Student supplies manual camera and film. Introduction to digital photography as well. Two, two-and-one-half hour lab periods weekly.

AR 210 Photography II 3 cr.
Continuation of AR 209. Designed to further develop the student’s technical and interpretive understanding of black and white photography. Introduction to digital imagery and color. Student supplies manual camera and film. Two, two-and-one-half hour lab periods weekly. Prerequisite: AR 209.

AR 221 Basic Design 3 cr.
Study and practice of fundamental elements and principles of two-dimensional design using a variety of media. Two, two-and-one-half hour lab periods weekly.

AR 222 Color and Design 3 cr.
Study of color and its application to various design concepts as the continuation of design fundamentals and organization. Two, two-and-one-half hour lab periods weekly. Prerequisite: AR 221.

AR 223 Graphic Design I 3 cr.
Introduction to computers working with vector-based and current programs. An introduction to graphic design based on an organizational grid structure. Students will continue their studies in text placement, color, layout and basic design and learn to use external digital enhancement. They will develop pieces of work common in graphic design such as letterheads, logos and fliers. Two, two and one half-hour lab periods weekly. Prerequisite: AR 114 and AR 221.

AR 224 Graphic Design II 3 cr.
Continued studies in graphic design utilizing raster-based information. Diverse approaches to solving basic design and communication problems are applied. Projects generated will include more advanced design work and incorporate skills helpful to preparing visual information. Two, two and one half-hour lab periods weekly. Prerequisite: AR 223.

AR/IS 243 Multimedia/Interactive Media I 3 cr.
Introduction to the concepts of multimedia software, hardware, development concepts and basic visual and human interface design issues. Hands-on experience with multimedia hardware and software. Prerequisite: AR 221 and IS 220.
AR 280  Art Appreciation: An Experimental Approach 3 cr.
A study of three visual arts disciplines through combined lecture and hands-on studio experience. This approach includes the study of artists, styles and techniques related to some of the following disciplines: drawing, painting, printmaking, ceramics, photography, sculpture or fibers. The emphasis will be on direct studio experience. Two two-and-one-half hour lab periods weekly.

AR 300 Graphic Design III 3 cr.
Designing electronic page layout with type, text and images to create a professional multi-page layout using various applications. Various methods of producing and scanning images will be developed together with numerous options to edit and manipulate those images. Two, two-and-one-half hour lab periods weekly. Prerequisite: AR 224

AR 311 Art History I: Ancient to Medieval 3 cr.
Civilization epochs in the light of environmental influences and the resultant fine and decorative arts. Where feasible, the philosophies of the related cultural subjects are introduced.

AR 312 Art History II: Renaissance to Modern 3 cr.
A survey of major monuments, paintings, and sculpture that have shaped Western art—historical thought from the opening years of the Renaissance to the opening years of the twentieth century.

AR 313 Women Artists: Historical Survey 3 cr.
An historical survey of the roles, contributions, and styles of women artists. Activities such as field trips to studios, galleries, and museums and special lectures are arranged.

AR 314 Impressionism to Today 3 cr.
An historical survey from Impressionism through modern to contemporary art. Concentration on painting and sculpture with frequent field trips to area galleries and museums.

AR 316 American Art—Multicultural Crossroads 3 cr.
This course will begin with a discussion of western European influences on American art. However, the course will also deal with other less familiar influences on the appearance and history of American culture. Native American and African will also be presented in conjunction with American art. All of these influences have contributed to the unique appearance of American art, particularly in the 20th century.

AR 325 Printmaking I 3 cr.
An introduction to basic relief and intaglio printmaking processes with emphasis on traditional as well as contemporary methods. Includes woodcuts, etching and monoprints. Two, two-and-one-half hour lab periods weekly. Prerequisites: AR 101, 221.

AR 326 Printmaking II 3 cr.
A continuation of AR 325. Further exploration of relief and intaglio processes and techniques. Includes more advanced intaglio as well as involvement with mixed-media printmaking. Emphasis on individual exploration of ideas. Two, two-and-one-half hour lab periods weekly. Prerequisite: AR 325.

AR 341 Painting I 3 cr.
An introduction to painting dealing with technical and perceptual concepts. Two, two-and-one-half hour lab periods weekly. Prerequisites: AR 101, 222.

AR 342 Painting II 3 cr.
A continuation of AR 341. Further exploration of technical and perceptual concerns with the emphasis on the growth and development of individual concepts in painting. Two, two-and-one-half hour lab periods weekly. Prerequisite: AR 341.

AR 360 Art Methods 3 cr.
Study of curriculum and instruction appropriate to aesthetic/artistic growth and development from preschool through 12th grade. Methods, materials and approaches are examined for classroom use. Includes practice teaching and studio time. Prerequisite: AR 221 or AR 280.

AR/IS 365 Web Site Design and Development 3 cr.
Emphasizes general principles of designing and building web sites. Use of HTML and web page editors to build complete web sites. Use of scripting languages to tie web sites to databases and add other features to the web site. Prerequisite: AR 221 and IS 220.

AR 371 Three-Dimensional Design 3 cr.
The dynamics of three-dimensional design principles based on the elements of form, space, shape, light, and movement. Basic approaches to sculpture are covered, i.e., construction, modeling, carving, with various tools appropriate for each method. Includes traditional and contemporary references. Two, two- and-one-half hour lab periods weekly. Prerequisite: AR 101 or 221.
AR 377 Ceramics I 3 cr.
An introduction to the concepts and skills necessary to work with clay. Basic methods of handbuilding will be covered, including related decorating and firing techniques. Two, two-and-one-half hour lab periods weekly.

AR 378 Ceramics II 3 cr.
Continuation of AR 377. With emphasis on beginning throwing skills, the human form and developing personal expression with the medium of clay. Including advanced decorating techniques and glaze chemistry. Two, two-and-one-half hour lab periods weekly. Prerequisite: AR 377.

AR 391, 392, 393, 394 Selected Topics 1-3 cr.
Independent Study AR 398 1-3 cr.

AR 400 Graphic Design IV 3 cr.
Covers all aspects of creation and presentation of professional portfolio. Emphasizing individual strengths and areas of specialization. The course focuses on the development of personal design methodology. Emphasis based on developing concepts in a mature and thorough manner through research, brainstorming, conceptual development and execution of concept. Project refinement and a culminating project. Prerequisite: AR 300.

AR/IS 443 Advanced Multimedia 3 cr.
Focus on the physical design, testing and implementation of a multimedia module developed with an authoring language like Authorware. Prerequisite: BU 222 and 243.

AR 490 Professional Practices 3 cr.
Practical concerns essential for an artist to make his/her work visible and marketable. Topics include preparing a resume and artist statement, documenting one’s work photographically, record keeping, exhibiting and working with galleries, news releases, graduate programs and other opportunities for professional growth, setting up a studio. One two and one half hour class weekly.

AR 492 Senior Studio 3 cr.
Independent work in a particular field of interest in the visual arts: drawing, painting, sculpture, ceramics, printmaking, or any other area or areas of specialization in which the student shows intermediate or advanced level proficiency. At least two, two-and-one-half hour lab periods weekly. One-hour weekly seminar discussion and periodic critiques with advising instructor.

AR 493, 494 Selected Topics 1-3 cr.
AR 295, 395, 495 Cooperative Education 1-6 cr.

BIOLOGY

This major will prepare students for graduate studies and research, medicine, podiatry, dentistry, veterinary medicine, allied health and applied biology. Graduates will have acquired a broad foundation of knowledge in the biological and physical sciences as well as the ability to use this knowledge.

BIOLOGY MAJOR:
BACHELOR OF SCIENCE PROGRAM

This program is designed to prepare the student for advanced studies in medicine, podiatry, dentistry, veterinary medicine, or graduate studies and research.

Requirements:
BI 110, 111, 112, 113 General Biology and Lab
BI 260, 261 Ecology and Lab
BI 270, 271 Cell Biology and Lab
BI 481 or 482 Coordinating Seminar

18 additional credits in Biology selected with academic advisor’s approval, with at least two courses from each of the two groups below:

Group A - Cell and Molecular Biology
BI 340, 341 Parasitology and Lab
BI 350 Genetics
BI 360, 361 Microbiology and Lab
BI 430 Immunology

Group B - Organismal Biology
BI 300, 301 Mammalian Anatomy and Physiology I and Lab
BI 302, 303 Mammalian Anatomy and Physiology II and Lab
BI 320  Evolution
BI 322  Animal Behavior
BI 460  Endocrinology
CH 111, 113, 114, 115  College Chemistry and Lab
CH 211, 213, 214, 215  Organic Chemistry and Lab
CH 305, 306  Biochemistry I and Lab
MA 145  Applied Calculus I or MA 175 Calculus I
(preferred and strongly recommended for students intending to pursue graduate studies in medicine or research).
MA 221  Statistics I
PS 180, 181, 182, 183  Basic Physics and Lab
OR
PS 200, 201, 202, 203  College Physics and Lab

Completion of a FOREIGN LANGUAGE through the Intermediate (202) level is STRONGLY recommended due to the REQUIREMENTS of many GRADUATE SCHOOLS and MEDICAL SCHOOLS.

SUMMER LABORATORY RESEARCH INTERNSHIPS
Notre Dame College is located in an area known for its major research universities and hospitals. Students are strongly encouraged to apply for summer research work in these facilities. These experiences provide the student with additional learning opportunities, work experience, summer employment, career exploration possibilities, and, in some circumstances, academic credit from Notre Dame College.

BIOLOGY MAJOR:
BACHELOR OF ARTS PROGRAM
This program is designed for those students who plan careers in business, secondary education, technical support or other areas that relate to the Biological Sciences. It is not intended for students planning to enroll in graduate or professional programs in the Biological Sciences or related areas.

Requirements:
BI 110, 111, 112, 113  General Biology and Lab
BI 260, 261  Ecology and Lab
BI 270, 271  Cell Biology and Lab
BI 481 or 482  Coordinating Seminar
BI 295  Cooperative Education
CH 111, 113, 114, 115  College Chemistry and Lab
CH 211, 213, 214, 215  Organic Chemistry and Lab
MA 221  Statistics I
IS 260  Computer Decision-Making Applications or another advisor-approved math course
PS 180, 181, 182, 183  Basic Physics and Lab

12 additional credits in Biology selected with academic advisor's approval, with at least one course from each of the two groups below:

Group A - Cell and Molecular Biology
BI 305, 306  Biochemistry I and Lab
BI 340, 341  Parasitology and Lab
BI 350  Genetics
BI 360, 361  Microbiology and Lab
BI 430  Immunology

Group B - Organismal Biology
BI 300, 301  Mammalian Anatomy and Physiology I and Lab
BI 302, 303  Mammalian Anatomy and Physiology II and Lab
BI 320  Evolution
BI 322  Animal Behavior
BI 460  Endocrinology

ASSOCIATE OF SCIENCE IN HEALTH SCIENCE AND A DIPLOMA IN NURSING
98 Credits
This program is designed to prepare students for a nursing profession. It is a joint program with the Huron School of Nursing. Classes are taken at Notre Dame College and the nursing courses and clinical experience are completed at the Huron School of Nursing. Upon completion of the program the student will earn an A.S. degree from Notre Dame College and a diploma in nursing from the Huron School of Nursing. The student will be eligible to take the Ohio State Nursing Board Examination.

Program Prerequisites for entrance into the Nursing sequence:
BI 105, 106  Introduction to Cell Biology and Chemistry and lab
BI 204, 205, 206, 207  Human Anatomy and Physiology I and II and Labs
BI 240, 241  Introductory Microbiology and Lab
PY 201  General Psychology
EN 100/101 or
EN 110  Principles of Expository Writing
SO 201  Introduction to Sociology
Course Requirements for the Major to be completed at Notre Dame College:

BI 105, 106 Introduction to Cell Biology and Chemistry and lab
BI 204, 205 Human Anatomy and Physiology I and Lab
BI 206, 207 Human Anatomy and Physiology II and Lab
BI 240, 241 Introductory Microbiology and Lab

General Education Requirements to be completed at Notre Dame College:

PY 201 General Psychology
EN 100/101 or
EN 110 Principles of Expository Writing
MA 110 Intermediate Algebra
SO 201 Introduction to Sociology
PY 255 Lifespan Psychology
CA 100 Elements of Speech
HP 215 Nutrition for Sports, Fitness and Health
PH 380 Bioethics
Theology Course
English Literature Course

Nursing Courses to be completed at the Huron School of Nursing:

NUR 110 Foundations of Professional Nursing Practice
NUR 120 Common Physiological and Psychosocial Client Needs
NUR 130 Needs of the Childbearing Family
NUR 140 Mental Health Needs of Clients and Families
NUR 210 Complex Physiological Client Needs
NUR 220 Needs for the Acutely Ill Client
NUR 230 Transition to the Professional Nursing Role

COURSE OFFERINGS AT NOTRE DAME COLLEGE

All laboratory courses must be taken concurrently with the corresponding lecture courses. A student who withdraws from a lecture course may not continue the laboratory course except under unusual circumstances and with the permission of the instructor.

BI 105 Introduction to the Biological Sciences Laboratory 3 cr.
An introductory course designed for NON-SCIENCE majors to fulfill the General Education Requirement in Science or as an elective. Topics addressed include cell structure and function, genetics (including transmission of traits, genetic diseases, and genetic engineering), evolution, cell metabolism, diversity of life, and ecology and environmental concerns. Must be taken concurrently with BI 106, Introduction to the Biological Sciences Laboratory.

BI 106 Introduction to the Biological Sciences Laboratory 1 cr.
One three-hour laboratory period weekly, which investigates the topics covered in the lecture. Must be taken concurrently with BI 105, Introduction to the Biological Sciences.

BI 204 Human Anatomy and Physiology I 3 cr.
A study of normal structure and function of major body systems primarily designed for students in nursing and the health sciences; also includes content related to cellular biology and basic principles of genetics. Must be taken concurrently with BI 205, Human Anatomy and Physiology I Lab.

BI 205 Human Anatomy and Physiology I Lab 1 cr.
One three-hour laboratory period weekly. Includes laboratory experiences that investigate concepts presented in Human Anatomy and Physiology I. Must be taken concurrently with BI 204, Human Anatomy and Physiology I.

BI 206 Human Anatomy and Physiology II 3 cr.
A continuation of Human Anatomy and Physiology I; further the study of normal structure and function of major body systems. Prerequisites: BI 204/5; must be taken concurrently with BI 207, Human Anatomy and Physiology II Lab.

BI 207 Human Anatomy and Physiology II Lab 1 cr.
One three-hour laboratory period weekly. Includes laboratory experiences that investigate concepts presented in BI 206, Human Anatomy and Physiology II. Prerequisites or concurrent: BI 204/5; must be taken concurrently with BI 206, Human Anatomy and Physiology II.

BI 240 Introductory Microbiology 3 cr.
Introductory microbiology that introduces basic concepts and applications of medical microbiology. Includes morphology, immunology, and physiology of microorganisms. Designed for students in nursing and the health sciences. Prerequisites: BI 204/5 and BI 206/7; must be taken concurrently with BI 241, Introductory Microbiology Lab.

BI 241 Introductory Microbiology Lab 1 cr.
One three-hour laboratory period weekly. Includes staining and culture techniques used for the identification of an unknown microorganism. Designed for students in nursing and the health sciences. Prerequisites: BI 204/5 and BI 206/7; must be taken concurrently with BI 240, Introductory Microbiology.
PY 201 General Psychology 3 cr.
An introduction to the science of human behavior and the principles, methods, and theories of modern psychology. Major topics include research design, development, learning, sensation, perception, thinking, memory, motivation, personality, psychotherapy, therapies, and principles of social and industrial organizations.

EN 100 or EN 110 Principles of Expository Writing 3 cr.
Extensive work in expository writing, some treatment of grammar and style, and the completion of an acceptable research paper.

MA 110 Intermediate Algebra 3 cr.
Algebraic operations, solving equations and inequalities, lines, inequalities and their graphs, introduction to conic sections, introduction to functions, exponential and logarithmic functions, systems of equations, problem solving techniques and applications.

PY 255 Lifespan Development 3 cr.
Study of human growth and development throughout life span. Emphasis on biological, cognitive, social and emotional development. Major issues are examined from diverse perspectives.

CA 100 Elements of Speech 3 cr.
Introduces the speech communication process, both theory and practice. Primary goals are to increase confidence and reduce anxieties about public speaking.

PH 380 Bioethics 3 cr.
An investigation of ethical issues raised by technological advances in the health care sciences. Issues to be studied include the beginning and end of life, genetic research, organ transplants, reproductive technologies, the right to health care and the allocation of scarce resources.

See course offerings in English and Theology for options of an English Literature and Theology course. Both of these courses are needed for completion of the degree.
NU 210 Complex Physiologic Client Needs 12 cr.
Focuses on the nursing process as applied to the roles of the nurse in meeting the needs of clients experiencing complex physiological deficits. Emphasis is placed on assisting the client to attain optimal physical and psychosocial health. Concurrent clinical experience is provided in adult and pediatric health care settings. Class = 90 hours; Clinical = 135 hours.

NU 220 Needs of the Acutely Ill Client 7 cr.
Focuses on the nursing process as applied to the roles of the nurse in meeting the needs of clients experiencing deficits of a life-threatening or urgent nature. Emphasis is placed on support of the client and family during the acute stages of traumatic or critical illness or injury. Concurrent clinical experience is provided in acute, critical care and emergency settings. Class = 60 hours; Clinical = 135 hours.

NU 230 Transition to the Professional Nursing Role 5 cr.
Focuses on current trends and issues in nursing and health care, legal and ethical aspects of professional nursing practice, and principles of leadership and management as related to the professional nursing role. Emphasis is placed on providing direct nursing care for groups of clients, continuity of care, clinical judgement, and the evaluation of the quality of nursing care for individuals and groups of clients. Concurrent experience is provided with RN preceptors in varied settings. Class = 30 hours; Clinical = 135 hours.

BIOLOGY MINOR
This minor is proposed specifically for students who have a chemistry background and may already have requirements for certain biology courses.

Requirements:
Bl 110, 111, 112, 113 General Biology and Lab
Bl 270, 271 Cell Biology and Lab
Bl 430 Immunology
8 credits from the following:
Bl 305, 306 Biochemistry I and Lab
Bl 300, 301 Mammalian Anatomy and Physiology I and Lab
Bl 302, 303 Mammalian Anatomy and Physiology II and Lab
Bl 350 Genetics
Bl 360, 361 Microbiology and Lab
Bl 405, 406 Biochemistry II and Lab
Bl 460 Endocrinology
Bl 475 Advanced Cell Biology
Bl 481 or 482 Coordinating Seminar

ADOLESCENT TO YOUNG ADULT LICENSE IN LIFE SCIENCE (Gr. 7-12)
54 Credits
Biology Requirements:
Bl 110, 111, 112, 113 General Biology and Lab
Bl 260, 261 Ecology and Lab
Bl 270, 271 Cell Biology and Lab
8 credits from:
Bl 300, 301 Mammalian Anatomy and Physiology I and Lab
Bl 302, 303 Mammalian Anatomy and Physiology II and Lab
Bl 320 Evolution
Bl 420, 421 Developmental Biology and Lab
8 credits from:
Bl 340, 341 Parasitology and Lab
Bl 350 Genetics
Bl 360, 361 Microbiology and Lab
Bl 430 Immunology
Bl 460 Endocrinology
Bl 470 Advanced Cell Biology
16 credits from:
Ch 111, 113, 114, 115 College Chemistry and Lab
Ch 211, 213, 214, 215 Organic Chemistry and Lab
Ps 180, 181, 182, 183 Basic Physics and Lab

Mathematics Requirement:
Mа 221 Statistics I
One additional Math course selected with academic advisor’s approval. Recommended: Mа 300 Statistics II.

See EDUCATION for Professional Education Requirements.

DUAL FIELD ADOLESCENT TO YOUNG ADULT LICENSE IN LIFE SCIENCE AND CHEMISTRY (Gr. 7-12)
58 Credits
Biology Requirements:
Bl 110, 111, 112, 113 General Biology and Lab
Bl 260, 261 Ecology and Lab
Bl 270, 271 Cell Biology and Lab
10 additional credits from:
BI 300, 301  Mammalian Anatomy and Physiology I and Lab
BI 302, 303  Mammalian Anatomy and Physiology II and Lab
BI 320  Evolution
BI 350  Genetics
BI 360, 361  Microbiology and Lab
BI 430  Immunology

Chemistry Requirements:
CH 111, 113,
114, 115  College Chemistry and Lab
CH 211, 213,
214, 215  Organic Chemistry and Lab
CH 305, 306  Biochemistry I and Lab

4 additional credits from:
CH 308  Environmental Chemistry
CH 310, 311  Quantitative Analysis and Lab

8 additional credits from:
PS 180, 181,
182, 183  Basic Physics and Lab
CH 220, 221  Earth Science and Lab

See EDUCATION for Professional Education Requirements.

AREA OF CONCENTRATION IN SCIENCE FOR MIDDLE CHILDHOOD LICENSE (Gr. 4-9)
20 Credits

Requirements:
BI 110, 111, or
112, 113  General Biology and Lab
BI 200, 201  Environmental Science and Lab
CH 100, 101  General Chemistry or
CH 111, 113  College Chemistry and Lab
CH 220, 221  Earth Science and Lab
PS 150, 151  Concepts in Physics and Lab

See EDUCATION for Professional Education Requirements.

COURSE OFFERINGS

All laboratory courses must be taken concurrently with the corresponding lecture courses. A student who withdraws from a lecture course may not continue the laboratory course except under unusual circumstances and with the permission of the instructor. BI 112, 113, or the equivalent is a prerequisite for all biology courses numbered 260 or higher.

BI 105  Introduction to the Biological Sciences  3 cr.
An introductory course designed for NON-SCIENCE majors to fulfill the General Education Requirement in Science or as an elective. Topics addressed include cell structure and function, genetics (including transmission of traits, genetic diseases, and genetic engineering), evolution, cell metabolism, diversity of life, and ecology and environmental concerns.

BI 106  Introduction to the Biological Sciences Laboratory  1 cr.
One three-hour laboratory period weekly, which investigates the topics covered in the lecture. Taken concurrently with BI 105.

BI 110, 112  General Biology I, II  3, 3 cr.
An introductory course primarily for biology majors dealing with molecular, cellular, and organismal biology. The kingdoms of living organisms are surveyed. Topics in genetics, bioenergetics, ecology, and evolution are also included. Prerequisite for all biology courses numbered 260 or higher.

BI 111, 113  General Biology Laboratory I, II  1, 1 cr.
One three-hour laboratory period weekly investigating concepts covered in the lecture material. Taken concurrently with the lecture course.

BI 200  Environmental Science  3 cr.
A study of the natural environment from the perspective of biology, chemistry, and physics including studies of ecosystems, energy, pollution and its consequences in a technological society. Recommended for elementary education students or for any student to fulfill the General Education Requirement in Science.

BI 201  Environmental Science Laboratory  1 cr.
One three-hour laboratory period weekly that includes the field study of ecosystems and stresses the scientific method applied to biological, chemical, and physical investigation. Taken concurrently with BI 200.

BI 230  Basic Anatomy and Physiology  3 cr.
A study of the structure and function of the systems of the human body; designed for students in elementary education, psychology, and to fulfill the General Education Requirement in Science.

BI 231  Basic Anatomy and Physiology Laboratory  1 cr.
One three-hour laboratory period weekly, emphasizing human organ systems, their locations and functions. Taken concurrently with BI 230.
BI 260 Ecology 3 cr.
This course provides an overview of the science of ecology. Traditional topics of ecology such as energy flow, nutrient cycling, population growth and interactions, and community dynamics are treated as a background from which to approach mathematical concepts and emerging areas of ecology. The latter include behavioral, physiological, and evolutionary ecology. Current and controversial topics in ecology will be discussed. Prerequisites: BI 112, CH 114.

BI 261 Ecology Laboratory 1 cr.
Topics will parallel those discussed in lecture. Laboratory focus will be on experiments that exemplify ecological concepts and on the methodology ecologists use to obtain information on populations and communities. Assumptions, limitations, and interpretation of information thus gained will be discussed. Taken concurrently with BI 260.

BI 270 Cell Biology 3 cr.
An introduction to eukaryotic cell morphology and function with special emphasis on membrane-bound organelles. Topics in macro-molecular synthesis and bioenergetics will also be covered. Prerequisite: BI 112 or CH 114 or the equivalent.

BI 271 Cell Biology Laboratory 1 cr.
This laboratory includes studies in cell morphology, growth of cell populations and assays for macromolecules and selected metabolic pathways. Taken concurrently with BI 270.

BI 291, 292, 293, 294 Selected Topics 1-3 cr.

BI 295, 395, 495 Cooperative Education 1-6 cr.
An opportunity for on-the-job experience in a hospital or laboratory supervised by a professional in the area. Hours and credits arranged by the Division. Sophomore status and permission of faculty sponsor required.

BI 300, 302 Mammalian Anatomy and Physiology I, II 3, 3 cr.
A study of mammalian anatomy and physiology with emphasis on how these two interrelated concepts contribute to homeostasis. Topics covered in part I include cells, tissues, and the skeletal, muscular, nervous and endocrine systems. Systems covered in part II include the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems.

BI 301, 303 Mammalian Anatomy and Physiology Laboratory I, II 1, 1 cr.
Laboratory studies will parallel the various systems covered in the lecture. The students will study these systems using dissections, 3-D models, computer simulations, microscope slides and experimentation. Taken concurrently with BI 300 and 302.

BI 305 Biochemistry I 3 cr.
Study of the chemistry and metabolism of carbohydrates, lipids, and proteins. Prerequisites: CH 211, 214; BI 270, 271

BI 306 Biochemistry I Laboratory 1 cr.
Laboratory practice of biochemical techniques. Techniques include purification of proteins using chromatographic methods, gel electrophoresis, and spectrophotometric determination of protein concentration and enzymatic activity. One three-hour laboratory period weekly. Taken concurrently with BI 305.

BI 320 Evolution 3 cr.
A study of the evidence, processes, and paths of evolution. Areas of emphasis include gradualism, punctuated equilibrium, mass extinctions, endosymbiosis, molecular genetics, and population genetics. Prerequisite: BI 112, 113 or equivalent.

BI 322 Animal Behavior 3 cr.
A study of functional behavior of animals, such as mate choice, feeding, parental care, predation, communication and social behaviors. Discussions of journal articles dealing with current research in these areas are a major part of this class.

BI 330 Comparative Vertebrate Anatomy 3 cr.
A study of major vertebrate groups emphasizing structure, function, and evolution. Variations on the vertebrate body plan and functional morphology of anatomical systems are used as a basis for understanding major adaptive changes in vertebrate evolution. Prerequisite: BI 112.

BI 331 Comparative Anatomy Laboratory 1 cr.
Emphasis is on surveying and comparing the actual structures discussed in lecture. Organ and organ system similarities and differences are compared among the major vertebrate classes within the unifying concept of homology and evolutionary modification. Taken concurrently with BI 330.
BI 340 Parasitology 3 cr.
A study of the morphology, life history, host-parasite relationships, and control of protozoan, helminth, and arthropod parasites as well as the evolution of parasitism. Prerequisite: BI 110, 111 or equivalent.

BI 341 Parasitology Laboratory 1 cr.
One-three hour laboratory period weekly learning techniques of identifying parasites throughout the phases of their life cycles using living specimens, prepared slides, kodachromes and Internet sites. Taken concurrently with BI 340.

BI 350 Genetics 3 cr.
A study of the chemical nature of the genetic material, Mendelian genetics, population genetics, and current genetic research. Pre- or Co-requisite: BI 270.

BI 360 Microbiology 3 cr.
The morphology, nutrition, reproduction, and growth of bacteria, fungi, and viruses. Topics in medical and applied microbiology are also covered. Recommended prerequisite: BI 270 or CH 214 or equivalent.

BI 361 Microbiology Laboratory 1 cr.
Laboratory includes the methods of culture, various staining techniques, and methods of identifying bacteria. One three-hour laboratory period weekly. Taken concurrently with BI 360.

BI 391, 392, 393, 394 Special Topics 1-3 cr.

BI 405 Biochemistry II 2 cr.
Advanced biochemical theory and techniques used in contemporary biochemical and molecular biology studies. Prerequisite: BI/CH 305 or the equivalent.

BI 406 Biochemistry II Lab 1 cr.
Laboratory will focus upon theory and execution of molecular biology techniques. Techniques include preparation and analysis of DNA and RNA, enzymatic manipulation of DNA, and polymerase chain reaction. One three-hour laboratory period weekly. Taken concurrently with BI 405.

BI 420 Developmental Biology 3 cr.
A comparative study of patterns (embryology) and process (genetic regulation) leading from fertilized egg to adult organism. Prerequisite: BI 270.

BI 421 Developmental Biology Laboratory 1 cr.
Laboratory studies including embryogenesis in chordates and invertebrates; organogenesis in vertebrates. One three-hour laboratory weekly. Taken concurrently with BI 420.

BI 430 Immunology 4 cr.
A comprehensive study of the fundamental principles and recent advances in immunology. Topics include the cellular and molecular control of the immune response, antibodies and immunogenetics, immune system dysfunction, and methods of immunoassay and diagnosis. Prerequisite: BI 270 or equivalent.

BI 460 Endocrinology 3 cr.
A systems approach to the study of the role hormones play in controlling and coordinating organ development and function. Prerequisites: BI 270 and CH 214. Recommended: BI/CH 305, 306.

BI 465 Research Methods 1 cr.
Lecture covering critical topics in the proper design and execution of scientific research. Prerequisite: Permission of instructor(s).

BI 466 Research Methods Laboratory 2 cr.
Laboratory course covering application of research design, execution, data analysis and presentation. Prerequisite: Permission of instructor(s).

BI 470 Advanced Cell Biology 3 cr.
Recent advances in molecular cell biology and molecular genetics in eukaryotes and prokaryotes including control of gene expression, RNA processing, oncogenesis and other relevant topics. Prerequisites: BI 270 and CH 214 or the equivalent.

BI 481, 482 Coordinating Seminar 1, 1 cr.
An in-depth study of some current aspects of biology not covered in the required courses, including discussion of recent journal articles plus an oral presentation of student research papers.

BI 486, 487, 488, 489 Independent Research 1-3 cr.
An opportunity for qualified and capable students to do independent research in the life sciences. Hours and credits arranged with faculty advisor. Prerequisites: BI 465, BI 466 and permission of faculty sponsor.

BI 491, 492, 493, 494 Independent Study 1-3 cr.
An opportunity for qualified students to pursue independent literature surveys of topics in the biological sciences. Hours and credits arranged with faculty sponsor.
BUSINESS ADMINISTRATION

Students in the various Business Administration programs are prepared to function as creative, dynamic, morally responsible leaders in a global society. The business faculty strives to foster the ongoing development of the highest standards of personal integrity and the achievement of educational excellence through a challenging course of studies. Graduates of the program will have been educated in a liberal arts tradition, to think critically, to analyze complex processes, and to evaluate important issues with a commitment to respect the earth and all people. They will be ready to move into their chosen career field, to continue with graduate studies, or to enter professional programs such as law or public administration.

BUSINESS ADMINISTRATION

Core Courses
41 Credits

There is a common core of courses taken by students majoring in most Business Administration programs, including Accounting, Management Information Systems, Management, and Marketing. (This list does not apply to Sports/Recreation Management or Human Resources Development.) Several of these courses fulfill General Education Requirements as well.

Requirements:

BU 155, 156 Accounting Principles I, II
BU 230 Marketing Principles
BU 240 Management Principles
BU 360 Corporate Finance
BU 425 Project Management
BU 473 Business Law I
BU 395 or 495 Cooperative Education
EC 201 Principles of Microeconomics
EC 202 Principles of Macroeconomics
IS 260 Computer Decision-Making Applications
MA 220 Applied Finite Math
EC/MA 221 Statistics I

In addition to these courses, it is strongly recommended that students complete a Communications course such as BU/CA 232 Professional Communications.

Each major program has its own specialized requirements. These are given below.

ACCOUNTING

Goals:
The Accounting major is designed to prepare students to function as accounting professionals and to progress to positions of leadership in the profession. The program is designed to provide students with a thorough understanding of accounting principles; auditing, tax, and reporting practices and planning; and the management of business, accounting, and financial activities. This program also prepares students to pursue graduate study in the field. There are a number of professional certifications in the field of accounting that students majoring in the field may wish to pursue:

• Certified Public Accountant (CPA)

Individuals wishing to obtain the Ohio CPA Certificate must, under the Ohio Revised Code, graduate with a baccalaureate or higher degree that includes successful completion of one hundred fifty (150) semester hours of undergraduate or graduate education. Students are strongly urged to pursue a Masters of Business Administration after receiving their baccalaureate degree to meet the semester hour requirement. The total educational program shall include an accounting concentration with related courses in other areas of business administration, as defined by the Accountancy Board of Ohio. These are included in the Business Administration Core Courses.

• Certified Internal Auditor (CIA)
• Certified Management Accountant (CMA)
• Certified Information Systems Auditor (CISA)
• Certified in Financial Management (CFM)

Requirements:

Business Administration Core Courses + 24 credits in the following:

BU 255, 256 Intermediate Accounting I, II
BU 315 Auditing
BU 320 Cost Accounting
BU 325 Federal Income Tax
BU 455 Advanced Accounting

In addition to these courses, it is strongly recommended that students complete Business Law II and Business Ethics.
HUMAN RESOURCES DEVELOPMENT  
Goals:  
Students in Human Resources Development are prepared to work effectively as professionals whose focus is helping organizations maximize the investment made in employees. The Notre Dame graduate will possess excellent interpersonal communication skills and understand the Human Relations professional’s role in working with the organization’s management team and be able to carry out the functions of job analysis and design, recruitment, selection, orientation, performance appraisal, and compensation. Students educated in the liberal arts tradition will think critically, analyze complex processes, evaluate important issues, and work collaboratively in a team setting. The student who majors in Human Resources Development will complete a course of study comprising Business Management, Psychology and Sociology.  

Course Requirements:  
All students take a core of courses in the fields of Business and Human Resources Development.  

Selected Business Core (32 Credits)  
BU 155 Accounting Principles I  
BU 156 Accounting Principles II  
BU 240 Management Principles  
BU 425 Project Management  
BU 473 Business Law I  
BU 395 or 495 Cooperative Education  
EC 201 Principles of Microeconomics  
EC 202 Principles of Macroeconomics  
IS 260 Computer Decision-Making Applications  
MA/EC 221 Statistics I  

Human Resources Development Core (30 Credits)  
BU 235 Management Information Systems  
BU 300 Principles of Supervision  
BU 341 Human Resources Management  
BU 345 Organizational Behavior  
BU 355 Compensation and Benefits  
BU 436 Labor Relations  
PY 201 General Psychology  
PY 385 Tests and Measurements  
SO 305 Minority Groups  
CA 201 Interpersonal Communication  
OR  
SO 425 Conflict Management  

MANAGEMENT INFORMATION SYSTEMS  
Goal:  
The Management Information Systems major helps students develop the conceptual knowledge and analysis skills to prepare for careers in business or further graduate studies. The program stresses practical applications and field experience.  

Requirements:  
Business Administration Core Courses + 18 credits including:  
BU 235 Management Information Systems  
IS 222 Programming Logic and Design  
IS 310 Systems Analysis  
IS 323 Information Technology Hardware and Software  
IS 335 Network Essentials  
IS 350 Database Management Systems  

In addition, the MIS student is encouraged to complete either the Programming or Multimedia minor.  

MANAGEMENT MAJOR  
Goals:  
Students in Management are prepared to function as creative leaders in various positions in society. The Notre Dame College graduate possesses technical skills and is also capable of dealing with the many career changes that they will face. A management graduate educated in a liberal arts tradition will think critically, analyze complex processes, evaluate important issues and work collaboratively in a team setting. Students who major in Management will thoroughly understand the functions of management (planning, organizing, staffing, controlling) in large and small, for profit and not-for-profit enterprises. They will be well equipped to work as a mid-level manager, to continue education in graduate school or to enter professional programs in law, business or public administration.  

In addition to these courses, it is strongly recommended that students complete a course in Business Ethics and Professional Communication as part of their elective choices. Students are also strongly urged to complete a course in Critical Thinking.
Course Requirements:
Business Administration Core Courses + 21 credits in Upper Biennium Business Administration and Economics courses, including the following required courses:

- BU 235 Management Information Systems
- BU 300 Principles of Supervision
- BU 341 Human Resources Management
- BU 345 Organizational Behavior
- BU 435 Business and Government
- BU 303 Entrepreneurship
- OR
- BU 436 Labor Relations

In addition to these courses it is strongly recommended that students complete a course in Business Ethics and Business/Professional/Organizational Communication as part of their elective choices. Students are also strongly urged to complete a course in Critical Thinking.

MARKETING

Goals:
Students completing a major in marketing are prepared to function as creative leaders in society. Students who major in marketing will demonstrate knowledge and application of marketing principles and will demonstrate the skills necessary to present marketing data in a clear and convincing manner. They will be well prepared to pursue a career in marketing, to continue their education in graduate school, or to enter professional programs such as law or public administration.

Requirements:
Business Administration Core Courses + 21 credits in the following marketing courses:

- BU 301 Consumer Behavior
- BU 375 Marketing Research
- BU 380 Sales Management
- BU 385 Marketing Management
- BU 390 Advertising
- BU 450 International Marketing

Including 1 of the following courses:
- AR 223 Graphic Design I
- IS 243 Multimedia Development
- IS 245 Web Site Design and Development
- CA 209 Black and White Photography I
- CA 220 Newswriting
- CA 323 Writing for the Non-Print Media
- CA 403 Public Relations

SPORTS MANAGEMENT MAJOR

Goal:
Provide an interdisciplinary curriculum that permits students to develop strengths in specific fields involving the management of sports, a growing industry in the United States.

Students who are interested in careers in sports management, sports facilities management, sports information, or sports marketing will find that this course of study prepares them well for employment or for graduate study.

Course Requirements:
All students take a core of courses in the fields of Business and Sports Management.

Business Core (35 Credits):
- BU 155 Principles of Accounting I
- BU 156 Principles of Accounting II
- BU 230 Marketing Principles
- BU 240 Management Principles
- BU 425 Project Management
- BU 395, 495 Cooperative Education
- BU 473 Business Law I
- EC 201 Microeconomics
- EC 202 Macroeconomics
- IS 260 Computer Decision-Making Applications
- MA 221 Statistics

Sports Management Core (24 Credits):
- BU 270 Sport Industry: Cultural and Sociological Perspectives
- BU 348 Sports Events, Sponsorship and Promotions
- BU 462 Legal Issues in Sports
- BU 463 Sport Program Administration
- BU 465 Sport Facilities Management
- HP 321 Applied Exercise Physiology*
- PY 201 General Psychology
- PY 235 Sports Psychology

* Prerequisite is BI 230/231 Basic Anatomy and Physiology which fulfills the student’s GER for Science with a lab.

In addition to the above courses, each student is encouraged to complete one or more minors in specific, related interest areas. Typical minors include Coaching, Communications, Management, Marketing, and Psychology.
MINOR IN ACCOUNTING
Lower Biennium Prerequisites (8 Credits):
BU 155 Accounting Principles I
BU 156 Accounting Principles II

+ 16 Credits from the following:
BU 255 Intermediate Accounting I
BU 256 Intermediate Accounting II
BU 315 Auditing, OR
BU 320 Cost Accounting
BU 455 Advanced Accounting

MINOR IN ENTREPRENEURSHIP
Requirements - Business Majors (9 Credits):
BU 301 Consumer Behavior
BU 303 Entrepreneurship
BU 410 New Venture Creation

Requirements - Non-Business Majors (15 Credits):
BU 150 Accounting Basics
EC 100 Economics and Contemporary Issues
BU 301 Consumer Behavior
BU 303 Entrepreneurship
BU 410 New Venture Creation

MINOR IN MANAGEMENT
INFORMATION SYSTEMS
Required Courses (15 Credits):
BU 235 Management Information Systems
IS 222 Programming Logic and Design
IS 260 Computer Decision-Making Applications
IS 310 Systems Analysis
IS 350 Database Management Systems

Plus 1 course from the following (3 or 4 Credits):
Any IS course numbered 223 or higher, or
BU 425 Project Management

MINOR IN FINANCIAL SERVICES
MANAGEMENT
Lower Biennium Prerequisites (14 Credits):
BU 155, 156 Accounting Principles I, II
EC 201 Principles of Microeconomics
EC 202 Principles of Macroeconomics

+ Required Upper Biennium Courses (12 Credits):
BU 370 Investments
EC 331 Money and Banking
EC 432 Public Finance
EC 442 International Finance

MINOR IN INTERNATIONAL BUSINESS
Lower Biennium Prerequisites (17 Credits):
BU 155, 156 Accounting Principles I, II
BU 230 Marketing Principles
EC 201 Principles of Microeconomics
EC 202 Principles of Macroeconomics

+ Required Upper Biennium Courses (12 Credits):
BU 450 International Marketing
EC 305 Comparative Economic Systems
EC 440 International Economics
EC 442 International Finance

MINOR IN MARKETING
Lower Biennium Prerequisites (6 Credits):
BU 230 Marketing Principles
EC 201 Principles of Microeconomics
OR
EC 202 Principles of Macroeconomics

+ Required Upper Biennium Courses: 12 Credits from the following:
BU 301 Consumer Behavior
BU 375 Marketing Research
BU 380 Sales Management
BU 385 Marketing Management
BU 390 Advertising
BU 450 International Marketing

In addition to these courses it is strongly recommended that students complete a course in Business Ethics and Business/Professional/Organizational Communication as part of their elective choices. Students are also strongly urged to complete a course in Critical Thinking.
MULTIMEDIA MINOR
Required Courses (6 Credits):
AR 114  Introduction to Graphic Design
AR 221  Basic Design

+ 12 Credits from the following:
AR 223  Graphic Design I
AR 224  Graphic Design II
IS 243  Multimedia Development
IS 245  Web Site Design and Development
IS 443  Advanced Multimedia Development

PROGRAMMING MINOR
18 Credits
Required Courses (6 Credits):
BU 222  Programming Logic and Design
MA 332  Introduction to Discrete Mathematics

+ 12 Credits from the following:
IS 223, 224  Visual Basic Programming and Lab
IS 333, 334  Java Programming and Lab
IS 336, 337  C++ Programming and Lab
Other Special Topics programming classes such as Advanced Visual Basic, Game Programming, JavaScript, etc.

CERTIFICATE PROGRAMS
Certificate programs are available in Accounting, Information Systems, Management, and Marketing. Requirements for the certificate are the same as for the respective major, including any prerequisites from the Business Administration Core. In addition, an introductory level certificate in Business Administration is available. Contact the Division Chair for more specific information.

ASSOCIATE IN ARTS DEGREE WITH A MAJOR IN BUSINESS MANAGEMENT
A candidate for an Associate in Arts (AA) degree must meet the requirements listed under “Academic Policies and Procedures” section of the catalog as well as the General Education Requirements listed in the “Associate Degree Programs” section of the catalog. In addition, the following courses are required for the management program:

BU 155  Accounting Principles I
BU 230  Marketing Principles
BU 240  Management Principles
EC 201  Principles of Microeconomics
EC 202  Principles of Macroeconomics
EC/MA 221  Statistics I
IS 220  Computer Productivity Applications
IS 260  Computer Decision-Making Applications

COURSE OFFERINGS
BU 150  Accounting Basics 3 cr.
Introductory course in basic accounting principles designed for non-business majors. Financial and managerial accounting topics relevant to the individual or small business owner are presented. Students who have completed BU 155 are not eligible to take this course.

BU 155  Accounting Principles I 4 cr.
Introductory course in financial accounting. Presents basic accounting theory, principles and practices related to double-entry system. Accounting cycle including journalizing and posting entries, preparing worksheet, making adjusting, closing, and reversing entries, and preparing periodic statements is covered. In the Weekend College format, this course is numbered BU 161 and 162. 2, 2 cr.

BU 156  Accounting Principles II 4 cr.
Continuation of BU 155. Application of basic principles of accounting to partnerships and corporations, owner’s equities, cost systems, management reports and financial statements analyzes are presented. Prerequisite: BU 155. In the Weekend College format, this course is numbered BU 163 and 164. 2, 2 cr.

BU 192, 193, 194  Selected Topics 1-3 cr.
Topics to be arranged by the department and student. Hours and credits to be arranged by the department.
**BU 230** Marketing Principles 3 cr.
Introduction to the social foundations of marketing, the marketing management process, the role of marketing research, the analysis of market opportunities, the selection of target markets, and the development of the marketing mix. Prerequisite: EC 100, EC 201 or EC 202.

**BU 232** Professional Communications 3 cr.
Study of written and oral communication theory and its importance in accomplishing organizational objectives. Practical exercises will be reviewed to build on basic skill requirements.

**BU 235** Management Information Systems 3 cr.
Focus upon ways in which information systems can be created to give competitive advantages to businesses. Emphasis on effective management of information technology and organizational issues in information systems. Exploration of these issues through case studies. Prerequisite: IS 220.

**BU 240** Management Principles 3 cr.
An examination of the basic principles, processes, and functions of management, including planning, organizing, staffing, directing, controlling and evaluation. A look at contributions from key classical theorists and present applications of these theories.

**BU 255** Intermediate Accounting I 4 cr.
Emphasis on accounting functions; advanced problems of asset and liability valuation, cash flow, and application of funds are presented. Prerequisite: BU 156. In the Weekend College format, this course is numbered BU 261 and 262. 2, 2 cr.

**BU 256** Intermediate Accounting II 4 cr.
Continuation of BU 255. Emphasis on stockholder’s equity, theory of income determination and presentation and analysis of financial statements. Prerequisite: BU 255. In the Weekend College format this course is numbered BU 263 and 264. 2, 2 cr.

**BU 270** Sport Industry: Cultural and Sociological Perspectives 3 cr.
An introduction to commercial recreation and sports and their function in the leisure service delivery system. Focus on socio/historical perspectives and ethical issues. Discussion of resources, financing, pricing, programming, and marketing.

**BU 295** Cooperative Education 1-3 cr.
An on-campus initial work experience designed to introduce the student to the discipline of the workplace. Prerequisite: Sophomore standing and permission of advisor.

**BU 300** Principles of Supervision 3 cr.
An examination of the importance of supervising people in the workplace, including the role of the supervisor in understanding human resources problems. Emphasis on the role of the supervisor in handling labor problems, improving communication in the organization, directing, staffing, and training. Prerequisite: BU 240.

**BU 301** Consumer Behavior 3 cr.
The decision-making processes which consumers use in selecting and purchasing goods and services, and the psychological, sociological, and cultural factors which influence these decisions. An analysis of the marketing mix with strategies and policies in a behavioral context is covered.

**BU 303** Entrepreneurship 3 cr.
Principles and techniques of owning, operating, and managing a small business. How to obtain financing, location, expansion, franchising, facilities and resource management, and legal considerations are presented. Prerequisite: BU 240.

**BU 315** Auditing 4 cr.
Concepts and objectives of auditing with emphasis on duties and responsibilities of the external auditor. Auditing standards, procedures, and terminology are presented. Problems relating collection of evidence, evaluation of internal control, verification and preparation of working papers and reports. Prerequisite: BU 256. In the Weekend College format, this course is numbered BU 313 and 314. 2, 2 cr.

**BU 320** Cost Accounting 4 cr.
Theory and practice of cost accounting procedures as applied to job cost systems, process cost systems, and standard cost systems. Price setting, determination of profitability and management systems for accountability. Prerequisite: BU 156. In the Weekend College format this course is numbered BU 321 and 322. 2, 2 cr.
BU 325 Federal Income Tax 4 cr.
Study of federal income tax laws, regulations, and procedures as related and applied to individuals, partnerships, and corporations. Brief coverage of Ohio and related city income tax regulations and procedures is presented. Prerequisite: BU 156. In the Weekend College format, this course is numbered BU 326 and 327. 2, 2 cr.

BU 341 Human Resources Management 3 cr.
Specific techniques used in managing human resources, such as employee recruiting, selecting, development and training, job analysis, wage and salary administration, performance appraisal, equal employment, safety, security, food services, recreation, communications, employee and labor relations, and collective bargaining relating to the function of management within a business enterprise. Prerequisite: BU 240, junior standing.

BU 345 Organizational Behavior 3 cr.
Study of motivation, leadership, and other various factors which affect individual and group behaviors as they relate to performance, productivity, and satisfaction in work organizations. Prerequisite: BU 240, junior standing.

BU 348 Sports Events, Sponsorship and Promotions 3 cr.
An analysis of techniques and strategies for publicizing and marketing sport and recreation programs. Focus on public relations and promotion, factors affecting consumer behavior, market management, and development of information and marketing plans. Prerequisites: BU 230, BU 270.

BU 355 Compensation and Benefits 3 cr.
A study of the principles and procedures for the determination of compensation levels, benchmark positions, wage structures and methods of payment. The course will also examine fringe benefits, their cost evaluation and the impact that benefits have on employee satisfaction and retention. Prerequisites: BU 156, BU 341.

BU 360 Corporate Finance 3 cr.
Study of how business corporations can plan for, acquire, and make maximum utilization of funds available to them. Extensive review of time value of money calculations and concepts. Investigate effects of taxes on types of business ownership, analysis of financial ratios, capital budgeting, rates of return, and risk analysis. Prerequisites: BU 156, EC 201-202, MA 220 or MA 221.

BU 370 Investments 3 cr.
Study of common and preferred stocks, corporate bonds, government bonds, and other financial investments. Techniques in determining investment objectives and strategies analyzing investment opportunities, and initial development of an investment portfolio are presented. Prerequisite: BU 360.

BU 375 Marketing Research 3 cr.
Fundamentals of collection, analysis, interpretation, presentation, and application of data for the solution of marketing problems. Survey research and experimental design with emphasis on problem definition, research design, primary and secondary data collection, sampling, statistical analysis, and decision making are presented. Prerequisites: BU 230, EC/MA 221.

BU 380 Sales Management 3 cr.
Covers the role of the sales manager in sales training programs, motivating, compensating, and supervising the sales force, and various aspects of sales planning. Prerequisite: BU 230.

BU 385 Marketing Management 3 cr.
Emphasizes the decision-making role of the marketing manager in analyzing market opportunities, selecting target markets, and planning, implementing, and controlling marketing programs (product, price, distribution, and promotion decisions) to reach those markets. Prerequisites: BU 230, EC/MA 221.

BU 388 Business Ethics 3 cr.
Provides a framework for integrating ethics into decision-making in the context of a business/professional environment that is complex, dynamic and increasingly global in scope. Will focus on actual case problems and companies that have developed ethically sound policies in a number of areas, for example, community service, environmental responsibility, work-family programs, labor practices, conflict of interest, falsification of information, Internet privacy, legal compliance, etc. Prerequisite: junior of senior status.

BU 390 Advertising 3 cr.
Examines the place of advertising in the marketing of goods and services, the planning of effective advertising, the use of media in advertising, and the management of advertising.
BU 391-394 Selected Topics 1-3 cr.
Advanced topics in business. Specific credit hours and topics to be arranged with department approval.

BU 395 Cooperative Education 1-3 cr.
A work experience designed to integrate course objectives with a practical experience in an off-campus work environment. Prerequisites: Permission of advisor and junior standing.

BU 410 New Venture Creation 3 cr.
This capstone course completes the study of owning, operating, and managing a small enterprise. Through the use of case studies, emphasis is placed on planning the product or service, screening opportunities, developing financial projections, obtaining capital, and managing growth. The issues surrounding business dissolution are also discussed. The student will also complete a business plan for their own venture. Prerequisite: permission of department.

BU 425 Project Management 3 cr.
Capstone course for all Business majors. Includes exploration of Project Management through case studies and projects. This course examines both the technical and behavioral aspects of project management. Students will participate in project teams throughout the semester. Prerequisite: senior standing or permission of instructor.

BU 435 Business and Government 3 cr.
An historical as well as current investigation into the roles and relationships between business enterprises and the governmental sector. Governmental regulation and regulatory bodies related to business, antitrust, and other related topics are presented. Prerequisites: BU 240, EC 201-202.

BU 436 Labor Relations 3 cr.
An historical view of the relationship between labor and management including an analysis of the current relationship through an understanding of current labor laws and regulation. Prerequisites: BU 240, EC 201-202 and junior standing.

BU 450 International Marketing 3 cr.
Modification of basic marketing concepts to the global perspective. Differences among markets due to geography, culture, politics, economics, government laws and regulations, and commercial policy and trade practices are emphasized. Prerequisite: BU 230.

BU 455 Advanced Accounting 4 cr.
Concepts, principles, theories, and problems in accounting for business combinations, stock investments, partnerships, branch operations, foreign currency transactions, international operations, and in the preparation of consolidated financial statements. Accounting and reporting by governmental units. Prerequisite: BU 256. In the Weekend College format, this course is numbered BU 456 and 457. 2, 2 cr.

BU 462 Legal Issues in Sports 3 cr.
The interaction and application of law to particular topics in sports and recreation, including contractual and business obligations, drug testing, sports violence, labor relations, regulation of intercollegiate and amateur sports, and gender discrimination. Contracts, torts, professional responsibility, and constitutional law issues are explored. Strategies for reducing risks and minimizing litigation will be discussed.

BU 463 Sport Program Administration 3 cr.
An in depth study of recreational programming including assessment of need, scheduling, budgets, hiring and supervision of personnel, equipment management, and evaluation. Prerequisites: BU 240, BU 270.

BU 465 Sport Facilities Management 3 cr.
Principles of financing, operating, and managing a sport and recreation facility. Overview of planning, design, construction, operation, maintenance, security, evaluation and risk management. Prerequisites: BU 240, BU 270.

BU 473, 474 Business Law I, II 3, 3 cr.
BU 491-494 Independent Study 1-3 cr.
Opportunity for the student to study specific topics of interest not covered in curriculum which would aid in overall content knowledge of business or help better prepare student for career. Must have approval of department. Prerequisite: junior standing.

BU 495 Cooperative Education 1-6 cr.
An advanced work experience with clear career or project orientation designed for juniors and seniors with prior on-the-job-training. Prerequisite: permission of advisor.

A maximum of six credits in Cooperative Education may be used toward fulfilling the major requirements or the general degree requirements.

CHEMISTRY

CHEMISTRY MAJOR:
BACHELOR OF SCIENCE PROGRAM

Graduates in the chemistry program will have acquired broad foundation knowledge in the chemical and physical sciences, and the knowledge and skills to either continue graduate education or obtain employment in their professional fields.

The Bachelor of Science chemistry major may cover any of three emphasis areas. Each emphasis consists of a common core and specialized coursework.

CHEMISTRY CORE
54 Credits
CH 111, 113, 114, 115 College Chemistry and Lab
CH 211, 213, 214, 215 Organic Chemistry and Lab
CH 305, 306 Biochemistry I and Lab
CH 310, 311 Quantitative Analysis and Lab
CH 344, 345 Analytical Chemistry I and Lab
CH 360, 361 Physical Chemistry I and Lab
CH 427, 428 Coordinating Seminar
MA 175, 176 Calculus I, II
PS 200, 201, 202, 203 College Physics and Lab

COMPREHENSIVE CHEMISTRY EMPHASIS
(American Chemical Society Curriculum)
18 Additional Credits
This program offers a comprehensive background for students wishing to pursue industrial chemical careers or graduate school in the chemical sciences.

Requirements: Chemistry Core plus
CH 362, 363 Physical Chemistry II and Lab
CH 413, 414 Advanced Inorganic Chemistry and Lab
CH 417 Introduction to Polymers
CH 444, 445 Analytical Chemistry II and Lab
MA 277 Calculus III
OR
MA 221 Statistics I

BIOCHEMISTRY EMPHASIS
18 Additional Credits
This program offers a comprehensive background for students wishing to pursue research careers in biochemistry, pharmacology, medicinal chemistry, pharmaceutical chemistry, toxicology, immunology, clinical chemistry, and other areas of biochemical and biomedical research. All these areas require graduate work.

Requirements: Chemistry Core plus:
CH 362, 363 Physical Chemistry II and Lab
CH 405, 406 Biochemistry II and Lab
CH 407 Advanced Topics in Biochemistry
BI 112, 113 General Biology II and Lab
BI 270, 271 Cell Biology and Lab

It is recommended that students in the biochemistry emphasis take the following courses:
BI 350 Genetics
BI 460 Endocrinology
MA 221 Statistics I

CHEMISTRY PRE-PROFESSIONAL EMPHASIS
23 Additional Credits
This program offers a comprehensive background for students wishing to attend Medical, Dental, Veterinary or Graduate Schools.
Requirements: Chemistry Core plus
CH 405, 406  Biochemistry II and Lab
BI 112, 113 General Biology II and Lab
BI 270, 271 Cell Biology and Lab
BI 300, 301 Mammalian Anatomy and Physiology I and Lab
BI 302, 303 Mammalian Anatomy and Physiology II and Lab
BI 350  Genetics

CHEMISTRY MAJOR:

BACHELOR OF ARTS PROGRAM

57 Credits
The bachelor of arts degree in chemistry is designed for those students who seek a strong background in chemistry, but who anticipate a career in a related area such as health sciences, pharmacology, chemical management, secondary education, chemical information systems, technical publications/communications, patent law, or environmental technology.

Requirements:
Chemistry Core plus:
CH 295  Cooperative Education

CHEMISTRY/BUSINESS EMPHASIS

21 Additional Credits
Requirements: Bachelor of Arts program requirements plus:
EN 220  Newswriting
EC 201  Principles of Microeconomics
EC 202  Principles of Macroeconomics
+ 12 additional credits from either the Marketing or the Management sequence.

Marketing Sequence:
BU 230  Marketing Principles
9 credits from the following:
BU 301  Consumer Behavior
BU 375  Marketing Research
BU 380  Sales Management
BU 385  Marketing Management
BU 390  Advertising
BU 450  International Marketing

Management Sequence:
BU 232  Business Communication
BU 240  Management Principles
6 credits from the following:
BU 300  Principles of Supervision
BU 305  Management Information Systems
BU 341  Human Resources Management
BU 345  Organizational Behavior
BU 435  Business and Government
BU 436  Labor Relations

CHEMISTRY MINOR

28 Credits
Requirements:
CH 111, 113, 114, 115  College Chemistry and Lab
CH 211, 213, 214, 215  Organic Chemistry and Lab
CH 310, 311  Quantitative Analysis and Lab
+ 6 credits from any upper biennium chemistry courses except CH 427, 428.

DUAL FIELD ADOLESCENT TO YOUNG ADULT LICENSE IN LIFE SCIENCES AND CHEMISTRY (GR. 7 - 12)

60 - 62 Credits

Biology Requirements:
BI 110, 111, 112, 113  General Biology and Lab
BI 260, 261  Ecology and Lab
BI 270, 271  Cell Biology and Lab
10 additional credits from:
BI 300, 301  Mammalian Anatomy and Physiology I and Lab
BI 302, 303  Mammalian Anatomy and Physiology II and Lab
BI 320  Evolution
BI 350  Genetics
BI 360, 361  Microbiology and Lab
BI 430  Immunology

Chemistry Requirements:
CH 111, 113, 114, 115  College Chemistry and Lab
CH 211, 213, 214, 215  Organic Chemistry and Lab
CH 305, 306  Biochemistry I and Lab
4 additional credits from:
CH 308  Environmental Chemistry
CH 310, 311  Quantitative Analysis and Lab
8 additional credits from:
PS 180, 181,
182, 183     Basic Physics and Lab
PS 220, 221     Earth Science and Lab

See EDUCATION for Professional Education Requirements.

AREA OF CONCENTRATION IN SCIENCE FOR MIDDLE CHILDHOOD LICENSE (GR. 4 - 9)
20 - 22 Credits
BI 110, 111, or
112, 113     General Biology and Lab
BI 200, 201     Environmental Science and Lab
CH 100, 101     General Chemistry and Lab or
CH 111, 113 College Chemistry and Lab
CH 220, 221 Earth Science and Lab
PS 150, 151 Concepts in Physics & Lab

See EDUCATION for Professional Education Requirements.

BINARY PROGRAM IN ENGINEERING
Students who are interested in pursuing a career in engineering may enter the Binary Program in Engineering. Students who major in mathematics or science at Notre Dame College can apply for admission to a binary program at Case Western Reserve University. The application should be made during the sophomore year so that course arrangements can be made by the beginning of the junior year. However, a freshman entering Notre Dame College should make known to the academic advisor the intent to enter the binary program.

At the conclusion of the engineering degree requirements the student will receive a B.S. degree from Notre Dame College and a B.S. degree from the School of Engineering, Case Western Reserve University. The program takes a minimum of five years.

Students who wish to pursue engineering after graduation can do this with an undergraduate major in chemistry or mathematics. During the sophomore year the student should know the program requirements of the planned graduate school so that appropriate course electives can be made.

SUMMER LABORATORY RESEARCH INTERNSHIPS
Notre Dame College is located in an area known for its major research universities and hospitals. Students are strongly encouraged to apply for summer research work in these facilities. These experiences provide the student with additional learning opportunities, work experience, summer employment, career exploration possibilities, and, in some circumstances, academic credit from Notre Dame College.

COURSE OFFERINGS
All laboratory courses must be taken concurrently with the corresponding lecture courses. A student must have the permission of the instructor to deviate from this policy. A student who withdraws from a lecture course may not continue the laboratory course except under unusual circumstances and with the permission of the instructor.

CH 100     General Chemistry 3 cr.
An introductory treatment of fundamental principles of chemistry, designed for non-science majors as well as preparation for CH 111.

CH 101     General Chemistry Laboratory 1 cr.
One three-hour laboratory period weekly.

CH 111, 114 College Chemistry I, II 4, 4 cr.
An introduction to the principles of inorganic chemistry with emphasis on quantitative relationships, atomic and molecular structure, solutions, chemical equilibrium, and chemical kinetics. A weekly one-hour problem/recitation session is required. Prerequisite: One-year high school chemistry or CH 100, and MA 110 or equivalent.

CH 113, 115 College Chemistry Laboratory I, II 1, 1 cr.
One three-hour laboratory period weekly.

CH 191, 192, 193, 194 Selected Topics 1-3 cr.

CH 211, 214 Organic Chemistry I, II 3, 3 cr.
Treatment of fundamental concepts of aliphatic and aromatic organic chemistry, structural theory, reaction mechanisms, and synthetic methods. An introduction to structure determination using spectroscopic methods. Prerequisites: CH 111 and 114 or their equivalent.

CH 213, 215 Organic Chemistry Laboratory I, II 1 cr.
One three-hour laboratory period weekly.
CH 220 Earth Science 3 cr.
Study of the structure of the earth, rocks and minerals, continents and ocean basins, weather and climate, and stars and planets.

CH 221 Earth Science Laboratory 1 cr.
One three-hour laboratory period weekly.

CH 225 Science for Living 3 cr.
Presentation of physical and life science discoveries which impact our way of life and their application in today's world. Intended to fulfill the General Education Requirement in Science.

CH 226 Science for Living Laboratory 1 cr.
Development of an understanding of the experimental nature of science and an introduction to data analysis and scientific reporting.

CH 295, 395, 495 Cooperative Education 1-6 cr.
A program which enables students to receive credit for work, paid or volunteer, related to their academic studies in their major field, both to make these studies more practical and to open possibilities for employment after graduation. Prerequisite: sophomore status.

CH 305 Biochemistry I 3 cr.
This course is a study of the structure and function of biological important molecules from a chemistry perspective. Major topics will include carbohydrates, lipids, nucleotides, proteins, and enzymes. Thermodynamic considerations and kinetic analysis of biochemical systems will be emphasized. Prerequisites: CH 211, 214; Recommended: BI 270, 271.

CH 306 Biochemistry I Laboratory 1 cr.
This laboratory course will focus on the theory and application of basic biochemical techniques used in the study of proteins including biological buffers, chromatography, spectrophotometry, gel electrophoresis, and centrifugation. One three-hour laboratory period weekly.

CH 308 Environmental Chemistry 3 cr.
A survey of chemical phenomena in the earth’s environment. The study of sources, reactions, transport, effects and fates of chemicals in the water, soil and air, and how humans influence these processes. Prerequisite: CH 211.

CH 310 Quantitative Analysis 3 cr.
A study of the quantitative and statistical aspects of chemical analysis. Prerequisite: CH 114.

CH 311 Quantitative Analysis Laboratory 1 cr.
Laboratory will focus on volumetric and gravimetric techniques, some use of instrumentation and computer treatment of data.

CH 344 Analytical Chemistry I 3 cr.
An introduction to the theory and practice of instrumental methods of analysis including electrochemistry, chromatography, and spectroscopy. Prerequisites: CH 211, 214, 310.

CH 345 Analytical Chemistry I Laboratory 1 cr.
Laboratory practice using basic electrochemical, chromatographic, and spectroscopic instrumentation.

CH 360 Physical Chemistry I 3 cr.
An integrated classical and quantum approach to thermodynamics, statistical mechanics, dynamics, atomic and molecular structure. Prerequisites: PS 200, 202; MA 175.

CH 361 Physical Chemistry I Laboratory 1 cr.
One three-hour laboratory period weekly.

CH 362 Physical Chemistry II 3 cr.
An integrated classical and quantum approach to thermodynamics, statistical mechanics, dynamics, atomic and molecular structure. Prerequisite: CH 360.

CH 363 Physical Chemistry II Laboratory 1 cr.
One three-hour laboratory period weekly.

CH 381 Technical Writing 3 cr.
Development of organizational and writing techniques for preparing technical communications, scientific research papers, publications, grant proposals, etc.

CH 405 Biochemistry II 3 cr.
This course is an in-depth study of the intermediary metabolic pathways responsible for life. Prerequisites: BI/CH 305 or the equivalent. Corequisite: CH/BI 405.

CH 406 Biochemistry II Laboratory 1 cr.
This laboratory course will focus on theory and application of molecular biology techniques including the preparation and analysis of DNA and RNA and polymerase chain reaction. One three-hour laboratory period weekly. Corequisite CH/BI 405.

CH 407 Advanced Topics in Biochemistry 2 cr.
This course is a study of contemporary topics of biochemistry through application of basic principles of biochemistry. Prerequisites: BI/CH 405 or the equivalent.
CH 410 Toxicology 3 cr.
The study of clinical and pharmacological aspects of toxins, their biochemical action and interaction with the body. Prerequisite: CH 305.

CH 413 Advanced Inorganic Chemistry 3 cr.
The study of chemical bonding, structure, and reaction mechanism in inorganic chemistry based on modern physical chemical concepts. Organometallic complexes are stressed. Prerequisite: CH 114. Recommended: CH 360.

CH 414 Advanced Inorganic Chemistry Laboratory 1 cr.
Laboratory designed to apply principles of Advanced Inorganic Chemistry. One three-hour laboratory period weekly.

CH 417 Introduction to Polymers 3 cr.
The study of synthesis, analysis, properties, and uses of polymers. Prerequisites: CH 211, 214.

CH 421, 422, 423, 424, 425, 426 Special Topics 1-3 cr.
Advanced topics in Chemistry to be arranged by the instructor and students. Hours and credits arranged by the instructor.

CH 427, 428 Coordinating Seminar 1, 1 cr.

CH 432 Coordinating Seminar: Environmental Science 1 cr.

CH 444 Analytical Chemistry II 2 cr.
Advanced theory and analytical techniques in electrochemistry, chromatography, and spectroscopy, including hyphenated techniques. Prerequisite: CH 344.

CH 445 Analytical Chemistry II Laboratory 2 cr.
Laboratory practice in advanced analytical techniques using sophisticated chemical instrumentation and hyphenated methods, such as GC-MS and carbon-13 NMR. Prerequisites: CH 344, 345. Two three-hour laboratory periods weekly.

CH 465 Research Methods 1 cr.
Lecture covering critical topics in the proper design and execution of scientific research.

CH 466 Research Methods Laboratory 2 cr.
Laboratory course covering application of research design, execution, data analysis and presentation.

CH 473, 474 Research Topics 1-3 cr.
An opportunity for students to undertake laboratory research under faculty direction. Hours and credit arranged by the department. Participation in the research seminar and a written report are required. Prerequisite: CH 465/466 or permission of faculty sponsor.

CH 480 Vitamins and Minerals 3 cr.
Study of the biochemistry of vitamins and minerals. Topics include deficiency and toxicity symptoms, mechanism of vitamin and mineral action, and vitamins and cancer. Prerequisite: CH 305. Recommended: BI 270 and BI 302.

CH 491, 492, 493, 494 Independent Study 1-3 cr.
An opportunity for qualified and capable students to do independent work in chemistry. Hours and credit arranged by the instructor.

COMMUNICATION

Program Goals:
All graduates of the Communication program will be qualified to pursue graduate work or a variety of careers requiring skills in advanced writing, problem-solving, critical thinking, critical listening, and effective speaking.

COMMUNICATION MAJOR
33 Credits
Requirements:
CA 201 Interpersonal Communication
CA 220 Newswriting
CA 250 Mass Communication
CA 374 Presentation Techniques
CA 401 Communication Theory
CA 395 or 495 Cooperative Education (3 cr.)

Two of the following:
CA 323 Writing for the Non-Print Media
CA 324 Writing for Publication
EN 210 Critical Writing
EN 318 Creative Writing

One of the following:
CA 305 Film Studies
CA 380 Organizational Communication
CA 403 Public Relations
CA 410 Television and Radio
One of the following:
CA 112    Oral Interpretation
CA 309    Acting and Directing
CA 313    Event/Play Production Apprenticeship

One of the following (in addition to the core literature requirement):
EN 461    Shakespeare's Comedies
EN 462    Shakespeare's Histories and Tragedies
EN 480    Great Books Seminar

COMMUNICATION MINOR
21 Credits
Requirements:
CA 201    Interpersonal Communication
CA 220    Newswriting
CA 250    Mass Communication
CA 401    Communication Theory

Three of the following:
CA 112    Oral Interpretation
CA 305    Film Studies
CA 309    Acting and Directing
CA 313    Event/Play Production Apprenticeship
EN 318    Creative Writing
CA 323    Writing for the Non-Print Media
CA 324    Writing for Publication
CA 374    Presentation Techniques
CA 380    Organizational Communication
CA 403    Public Relations
CA 410    Television and Radio
CA 295, 395, 495    Cooperative Education (3 cr.)

PUBLIC RELATIONS MAJOR
57 Credits
Program Goal:
Graduates of the Public Relations program will be prepared for entry level positions in public relations, promotions, advertising, and related professions.

Requirements:
AR 221    Basic Design
AR 223    Graphic Design I
BU 230    Marketing Principles
BU 232    Business Communication
BU 390    Advertising
CA 220    Newswriting
CA 201    Interpersonal Communication
CA 250    Mass Communication
CA 374    Presentation Techniques
CA 401    Communication Theory
CA 403    Public Relations
CA 395 or 495    Cooperative Education (3 cr.)
EC 201    Principles of Microeconomics
MA 221    Statistics I
PY 201    General Psychology

One literature course in addition to the core requirement.

One of the following:
AR 224    Graphic Design II
CA 318    Creative Writing
CA 323    Writing for the Non-Print Media
CA 324    Writing for Publication

Two of the following:
CA 112    Oral Interpretation
CA 305    Film Studies
CA 309    Acting and Directing
CA 313    Event/Play Production Apprenticeship
CA 380    Organizational Communication

GRAPHIC COMMUNICATION MINOR
24 Credits
This minor is offered jointly by the Fine Arts and the English/Communication/Theater disciplines.

Requirements:
CA 220    Newswriting
CA 250    Mass Communication
AR 114    Introduction to Graphic Design
AR/CA 209    Black and White Photography I
AR 221    Basic Design
AR 223, 224    Graphic Design I, II

One of the following:
CA 323    Writing for the Non-Print Media
CA 324    Writing for Publication

COURSE OFFERINGS
* A college level composition course is a prerequisite to most Communication courses.

CA 100    Elements of Speech    3 cr.
Introduces the speech communication process, both theory and practice. Primary goals are to increase confidence and reduce anxieties about public speaking.

CA 112    Oral Interpretation    3 cr.
Also listed as TR 112
Explores basic theory and practice in the art of communicating literature: prose, poetry, and drama. Selection, analysis, and performance are the primary areas of focus.

CA 152, 252, 352, 452    Study Tours    1-6 cr.
CA 171, 271, 371, 471  Workshops  1-3 cr.

CA 191, 192, 193, 194  Selected Topics  1-3 cr.

CA 201  Interpersonal Communication  3 cr.
Studies interpersonal levels of communication and their applications. Skills developed and topics explored include verbal and non-verbal effectiveness; self-disclosure and assertiveness; active and empathic listening; and a variety of dyadic transactions.

CA 209  Black and White Photography I  3 cr.
An introduction to the basic elements of black and white photography. Fundamental camera and darkroom techniques are studied. Emphasis on photography as an interpretive and illustrative medium in art, communication, and journalism. Student supplies manual camera and film. Two two-and-one-half hour lab periods weekly.

CA 220  Newswriting  3 cr.
Introductory journalism course providing experience in writing news and feature stories. All students will play an active role in writing or layout for the College newspaper Notre Dame News.*

CA 232  Professional Communications  3 cr.
Study of written and oral communication theory and its importance in accomplishing organizational objectives. Practical exercises will be reviewed to build on basic skill requirements.

CA 250  Mass Communication  3 cr.
An introduction to print and non-print media services including newspapers, magazines, radio, television, film, popular music, and comics. Develops understanding of mass communication through study of the commercial underpinnings of the American mass media system, ethical and social issues shaped and reflected by the media, and consumer uses and roles in a mass communication context.*

CA 261  The Drama and Theater  3 cr.
Study of dramatic literature, acting, stage design, production, and theatrical styles and trends from the classical age of Greece to the middle of the nineteenth century. Recommended preparation for CA 262.*

CA 262  Modern Drama and Theater  3 cr.
Study of dramatic literature, acting, stage design, production, and theatrical styles and trends from Ibsen to the present. Recommended preparation: CA 261.*

CA 295, 395, 495  Cooperative Education  1-6 cr.

CA 305  Film Studies  3 cr.
Explores film as an art form, treating its language, history, and genres with special emphasis on the roles of those under-represented in the film industry. Many films, arranged around various themes and styles of directing, are viewed as primary texts in the course. International films are integrated into the course as well.*

CA 309  Acting and Directing  3 cr.
Provides basic laboratory training in techniques of acting and directing through practical exercises with short scenes and plays. Work on voice and movement. Interpretation skills, performance analysis, and the planning and conducting of rehearsals are used to achieve an individual approach to acting and directing.

CA 313  Event/Play Production Apprenticeship  3 cr.
Offers practical experience in event and theatrical production. Includes class work and participation in the stages of an actual event or production. Hands-on activities are required of all students. All aspects of producing are explored, including research, design, promotion, execution, management and evaluation.

CA 323  Writing for the Non-Print Media  3 cr.
Offers practice in professional writing skills needed for careers in advertising, public relations, radio, and television. Prerequisite: CA/EN 220 or Department permission.

CA 324  Writing for Publication  3 cr.
An advanced professional writing course, providing experiences in freelance writing in various genres. All students will play an active role in writing or layout for the College newspaper Notre Dame News. Prerequisite: CA/EN 220 or Department permission.

CA 374  Presentation Techniques  3 cr.
Practice in a variety of public speaking forms serves as focus: advanced work in the extemporaneous mode, as well as an introduction to manuscript, memorized, and impromptu styles. Experiences with special occasion speaking take students beyond the confines of the classroom into settings involving larger spaces, technical considerations, and other challenges.

CA 380  Organizational Communication  3 cr.
Explores “communication flows” within organizations, examining the impact of computer networks, the internet, e-mail, and fax machines. The course is helpful for those who will be supervisors and leaders within organizations since these roles will be changed by technology.*
CA 391, 392, 393, 394  Selected Topics  1-3 cr.

CA 401  Communication Theory  3 cr.
Surveys the different ways in which communication has been conceptualized, described, and explained. Explores the powers and limitations of various theories and perspectives.* Junior/senior standing.

CA 403  Public Relations  3 cr.
Studies the historical antecedents and contemporary practice of public relations in America. Special emphasis is placed on day-to-day tasks, skills, and responsibilities of practitioners. Opportunity for juniors and seniors to explore specific issues and meet professionals in the multi-faceted field of public relations.* Prerequisite: CA 220 or department permission.

CA 410  Television and Radio  3 cr.
An in-depth analysis of the video and audio industries such as TV and cable networks, AM and FM radio, the music industry, and the developing integration of video and computer networks. Special attention is paid to the role of advertising, the impact of video and audio in popular culture, and ethical dilemmas.* Recommended preparation: CA 220.

CA 491, 492, 493, 494  Independent Study  1-3 cr.
 Offers opportunities for junior and senior level students in good academic standing and possessing the necessary skills to pursue a research topic or to develop a project. Closely directed by a faculty member.

ECONOMICS

Economics is a discipline that examines society’s responses to the problem of scarcity. This necessitates that people make choices, and hence, deals with decision-making, problem-solving and critical thinking. Economics courses are offered to fulfill the social science requirement in the General Education Requirements, and to support the various majors offered by the Business Administration Division and various interdisciplinary majors. Although there is no major offered in Economics, students may obtain a minor.

MINOR IN ECONOMICS

Lower Biennium Prerequisites (6 Credits):
EC 201  Principles of Microeconomics
EC 202  Principles of Macroeconomics

12 additional credits in Upper Biennium Economics courses.

COURSE OFFERINGS

EC 100  Economics and Contemporary Issues  3 cr.
A general introduction to the study of economics, including both micro-and macroeconomics concepts and ideas, as reflected in current domestic socioeconomic and global issues. NOTE: This course is not open to students who have successfully completed the Principles sequence (EC 201, 202).

EC 201  Principles of Microeconomics  3 cr.
The second of a two-course sequence; this course introduces students to the social science of economics, and then examines the behavior of individual consumers and firms, as well as the role of government, in the product and resource markets. On what bases are decisions made to buy (demand) and sell (supply)? How are these markets structured? What if the market system does not work, or is not allowed to work? What is the proper role of the government in a market-based economy? Prerequisite: EC 202, or permission of instructor.

EC 202  Principles of Macroeconomics  3 cr.
The first of a two-course sequence in Principles of Economics; this course examines the goals of the macroeconomy (full employment, domestic price stability, economic growth, and stable international economic relations) and how they are promoted by the government’s use of fiscal and monetary policy; the course concludes with a formal introduction to international economics, including the micro-based topics of international trade theory and commercial policy, as well as international finance and open-economy macroeconomics. Prerequisite: MA 110 or equivalent recommended.

EC 221  Statistics I  3 cr.
See MA 221 for course description.

EC 300  Statistics II  3 cr.
See MA 300 for course description.

EC 304  Economic History of the United States  3 cr.
A topical approach, within a chronological context, to the development of the American economy; topics examined include agriculture, industry, finance, transportation and communication, commerce, labor, and the role of the government in the economy.
EC 305 Comparative Economic Systems 3 cr.
A non-quantitative course that examines the bases for comparing economies and economic systems; studies the models of perfectly competitive market economies, centrally planned command economies, and the hybrid of market socialism; views examples of each of these at various levels of maturity and development. Prerequisite: EC 100 or EC 201-202 or permission of instructor.

EC 331 Money and Banking 3 cr.
An examination of the various forms of money and other financial assets and the markets in which they are traded; the roles of banks and other financial intermediaries and the effect of their behavior on their customers and the economy; the government’s monetary policies and their impact on the economic activity of the country. Prerequisite: EC 201-202 or permission of instructor.

EC 350 Managerial Economics 3 cr.
An application of microeconomic theory and methods to business and administrative decision-making; both the neoclassical approach, including a detailed treatment of supply and demand, the theory of the firm, and efficiency in a general equilibrium framework, and modern contributions of economics in the areas of coordination, motivation, organization, and strategy, e.g., the economics of transactions costs and information problems, are presented. Historical and international comparisons of management issues are made. Prerequisite: EC 201-202 or permission of instructor.

EC 432 Public Finance 3 cr.
An examination of the role of the public sector (government) in the economy, especially how it spends and raises money: the traditional functions of government economic policy; how government spending and taxing policies are made; public expenditure programs such as welfare, social insurance, and health care; principles of government financing; the practice of taxation, especially by the national government; and intergovernmental financial relations. Prerequisite: EC 201-202 or permission of instructor.

EC 440 International Economics 3 cr.
An examination of key issues facing the global economy, including trade theory and policy, protectionism and trade blocs, the mobility of labor and capital through multinational corporations and otherwise, various exchange rate systems and how they affect international business, issues of economic development and transition to market economies. Prerequisite: EC 201-202 or permission of instructor.

EC 442 International Finance 3 cr.
A study of the international monetary system and the balance of payments; foreign exchange markets and their implications for businesses involved in global decision-making; the issues surrounding foreign investment; international banks and other global financial resources. Prerequisite: EC 201-202 or permission of instructor.

EC 480 Labor Economics 3 cr.
A study of the workings and outcomes of the market for labor: the factors determining the demand for labor, and the labor supply decisions of workers; issues relating to the structure of wages and compensation; the incentives for and effects of educational and training investments; the effects of unions on wages, productivity, etc; the employment and wage effects of such social policies as minimum wage, OSHA, and antidiscrimination laws; the problems of unemployment and the impact of wages on inflation. Prerequisite: EC 201-202 or permission of instructor.

EC 391, 392, 393, 394 Selected Topics 1-3 cr.
Possible topics include the economics of gender issues, health economics, and the economics of environmental issues. Prerequisite: EC 201-202 or permission of instructor.

EC 491, 492, 493, 494 Independent Study 1-3 cr.
Opportunity to work on a special project or investigation designed by the student and approved by the faculty sponsor. Prerequisite: Senior standing.
TEACHER EDUCATION

Notre Dame College has a long tradition of teacher education. Students may pursue programs leading to Ohio licensure in early childhood, middle childhood, special education, adolescent/young adult and multi-age education. Those pursuing adolescent/young adult and multi-age licensure also pursue an academic major.

The detailed organization of the teacher education program and its specific directives are outlined in the Education Handbook.

Program Goals:
Driving the conceptual framework for the teacher education division at Notre Dame College is the institutional mission statement of educating “a diverse population...for personal, professional, and global responsibility” and the College motto, “Changing the world, one student at a time.” Current theory and research, state and national standards, the standards of specialized professional associations and the concerns of the division’s PK-12 partners have further aided the division in reshaping and redefining its conceptual framework. Summarized as “changing the classroom, one teacher at a time,” the major themes articulated by the conceptual framework guide candidate performance outcomes and the system by which the division, its programs, and its candidates are assessed.

Changing the Classroom, One Teacher at a Time
The teacher education division of Notre Dame College believes that, in order for its program completers to impact classrooms, candidates must possess the appropriate knowledge bases in the contents areas in which they will be asked to teach. They will also need the skills necessary to engage students of diverse backgrounds, and they will need to collaborate with all members of the school community.

Through its undergraduate licensure programs, Notre Dame College’s teacher candidates will:
• Be well-grounded in general studies (e.g., human development and learning) and in the specific disciplines (e.g., mathematics, special education).
• Be familiar with students in a variety of settings.
• Be able to use multiple teaching strategies to work effectively with learners of diverse abilities, learning styles, and cultural backgrounds.

• Possess the skills to collaborate effectively with parents, colleagues, and other stakeholders.
• Be reflective in their education practices.

These five outcomes are the foundation of the coursework, classroom activities, assessments, and field experiences prescribed for each licensure program. Together, the five outcomes form the three essential themes of the division’s conceptual framework: the importance of culturally-relevant teaching, a variety of field experiences, and the importance of collaboration within the school community.

Division Note:
Students seeking licensure in education must receive a grade of C- or better in all education (ED) courses.

Student Teaching:
Students who are seeking a bachelor’s degree will take twelve (12) hours of student teaching. Students who participate in graduation in May and student teach the following fall will take twelve (12) hours of student teaching. The degree will be earned and the diploma will be presented upon the completion of student teaching.

LICENSURE AREAS

Early Childhood Education (Pre-K - Gr. 3)

Middle Childhood Education (Gr. 4 - 9)
Areas of Concentration—choose two
Mathematics
Reading and Language Arts
Science
Social Studies

Adolescent/Young Adult Education (Gr. 7 - 12)
Majors:
Integrated Language Arts
Integrated Mathematics
Integrated Social Studies
Life Sciences
Life Sciences and Chemistry

Multi-Age Education (Pre-K - 12)
Mild/Moderate Intervention Specialist
Spanish
Visual Arts
### LICENSURE FOR EARLY CHILDHOOD EDUCATION (ECE) (PRE-K - 3)

#### General Content Requirement:

**Natural Sciences (2)**
- BI 200/201 Environmental Science and Lab
- OR
- BI 105/106 Intro to Biological Science and Lab
- CH 220/221 Earth Science and Lab

**Social and Behavioral (4)**
- PY 201 General Psychology
- GO 200 World Geography
- HI 110 World Cultures
- HI 200 US History
- EC 100 Economics and Contemporary Issues

**Mathematics (2)**
- MA 130 Elementary Number Theory
- MA 131 Geometry, Probability and Statistics from an Elementary Point of View

**Fine Arts (1)**
- AR 221 Basic Design
- OR
- AR 280 Art Appreciation: An Experimental Approach

**Professional Education Core (9)**
- ED 202 Introduction to Education
- ED 203 Field Experience for Introduction to Education
- ED 204 Educational Psychology
- ED 205 Psychology of Students with Special Needs
- ED 206 Field Experience for ED 205
- ED 301 Integrating Technology Across the Curriculum
- ED 392 Classroom Management
- ED 413 Student Teaching: ECE
- ED 475 Issues in Education

**Early Childhood Education Courses (5)**
- ED 221 Role of Phonics in Reading
- ED 265 Foundations of Early & Middle Childhood Education
- ED 332 Reading Across the Curriculum in ECE & MCE
- ED 355 Assessment and Correction of Reading Disabilities
- ED 376 Developmental Reading

**Instruction in ECE (5)**
- ED 379 Music, Creative Arts & Physical Movement in ECE
- ED 341 Curriculum Principles in Pre-K - 12
- ED 342 Integrated Teaching Methods Pre-K - 12
- ED 343 Field Experience for ED 342
- ED 380 Reading Field Experience for ECE & MCE & MMIS

**Advantage Plus:** Students earning their initial Pre-K-3 license may add a 4-9 endorsement in ONE of the four concentration areas by completing the content requirements for that concentration area and the successful passage of the appropriate PRAXIS II Test.

### LICENSURE FOR MIDDLE CHILDHOOD EDUCATION (MCE) (GR. 4 - 9)

**Professional Education Core (8)**
- ED 202 Introduction to Education
- ED 203 Field Experience for Introduction to Education
- ED 204 Educational Psychology
- ED 205 Psychology of Students with Special Needs
- ED 206 Field Experience for ED 205
- ED 301 Integrating Technology Across the Curriculum
- ED 412 Student Teaching: MCE
- ED 475 Issues in Education

**Middle Childhood Education Courses (9)**
- ED 221 The Role of Phonics in Reading
- ED 265 Foundations of Early & Middle Childhood Education
- ED 332 Reading Across the Curriculum in ECE & MCE
- ED 335 Reading in the Content Areas
- ED 341 Curriculum Principles Pre-K - 12
- ED 342 Integrated Methods Pre-K - 12
- ED 343 Field Experience for ED 342
- ED 355 Assessment and Correction of Reading Disabilities
- ED 380 Field Experience for Reading in ECE & MCE
**Content Area Requirements: (Choose two areas)**

**Mathematics (5):**
MA 110, MA 130, MA 131, MA 120, MA 221 OR MA 330

**Reading & Language Arts (7):**
CA 112, CA 250, EN 312, EN 314*
CA 220 OR EN 210 OR EN 318
EN 331 OR EN 332
EN 341 OR EN 342

Choose one:
EN 255, EN 256, EN 281, EN 381, EN 382

**Science (5):**
BI 105 & 106 OR 110 & 111 OR 112 & 113; BI 200 & 201; CH 100 & 101 OR CH 111 & 113; CH 220 & 221; PS 150 & 151

**Social Sciences (6):**
HI 110, HI 200, EC 100, GO 200, PO 210, SO 201 OR HI 210

* Recommended but NOT required

**MIDDLE CHILDHOOD GENERALIST**
**(GR. 4 - 6)**

For students whose initial licensure is in middle childhood, the generalist license enables the teacher to be the single classroom teacher for grades 4, 5 and 6. The license requires six hours of coursework in the two remaining concentration areas (i.e. Math 130&131; Biological & Earth Science & Labs; EN 110, CA 100 & ED 332 Language Arts & Reading; HI 110 & 200 Social Studies) and the passage of the early childhood content area PRAXIS II test.

**LICENSE FOR ADOLESCENT TO YOUNG ADULT EDUCATION (GR. 7 - 12)**

**AND MULTI-AGE EDUCATION (PRE-K - 12)**

**General Content Requirement:**

**Social & Behavioral Sciences (2)**
PY 201 General Psychology
HI 110 Western Civilizations from 1500

**Professional Education Core (8)**
ED 202 Introduction to Education
ED 203 Field Experience for ED 202
ED 204 Educational Psychology
ED 205 Psychology of Students with Special Needs
ED 206 Field Experience for ED 205
ED 301 Integrating Technology Across the Curriculum
ED 421 Student Teaching: Adolescent to Young Adult (AYA)
ED 475 Issues in Education

**Adolescent to Young Adult Core Courses (4)**
ED 335 Reading in the Content Areas
ED 341 Curriculum Principles Pre-K - 12
ED 342 Integrated Methods Pre-K - 12
ED 343 Field Experience for ED 342

**MAJOR FIELD**

Students pursuing Adolescent/Young Adult and Multi-Age licensure must complete a major field of study AND all certification requirements of the teaching field.

**Additional content credits needed for Licensure and Major: (Choose one)**

Integrated Language Arts (See English)
Life Science (See Biology)
Life Science and Chemistry (See Biology or Chemistry)
Integrated Mathematics (See Mathematics)
Integrated Social Studies (See History/Political Science)
Spanish: Pre-K - 12 (See Modern Languages)
Visual Art: Pre-K - 12 (See Fine Arts)

**MILD MODERATE INTERVENTION SPECIALIST (MMIS) (K - 12)**

**General Content Requirements:**

**Natural Sciences (2)**
BI 200/201 Environmental Science and Lab OR
BI 105/106 Intro to Biological Science and Lab
CH 220/221 Earth Science and Lab

**Social and Behavioral (4)**
PY 201 General Psychology
GO 200 World Geography
HI 110 World Cultures
HI 200 U.S. History
EC 100 Economics and Contemporary Issues
Mathematics (2)
MA 130 Elementary Number Theory
MA 131 Geometry, Probability and Statistics from an Elementary Point of View

Fine Arts (1)
AR 221 Basic Design
OR
AR 280 Art Appreciation: An Experimental Approach

Professional Education Core (9)
ED 202 Introduction to Education
ED 203 Field Experience for ED 202
ED 204 Educational Psychology
ED 205 Psychology of Student with Special Needs
ED 206 Field Experience for ED 205
ED 301 Integrating Technology Across the Curriculum
ED 302 Integrating Technology Across the Curriculum
ED 341 Curriculum Principles Pre-K - 12
ED 342 Integrated Methods Pre-K - 12
ED 414 Student Teaching: MMIS
ED 475 Issues in Education

MMIS Core (11)
ED 221 The Role of Phonics in Reading
ED 332 Reading Across the Curriculum
ED 355 Assessment & Correction of Reading Disabilities
ED 376 Developmental Reading Instruction in ECE
ED 380 Field Experience for Reading Core
ED 352 Student Class Management
ED 353 Assessment of Special Needs
ED 354 Instructional Strategies in Mild Moderate
ED 357 Field Experience for ED 354
ED 330 Collaborative Teaming

Required Professional Education Courses:
ED 204 Educational Psychology: Learning and Human Abilities
ED 205 Psychology of Student with Special Needs
ED 206 Field Experience for ED 205
ED 301 Integrating Technology Across the Curriculum
ED 335 Reading in the Content Areas
ED 380 Reading Field Experience (where Applicable)

For Pre-K - 3 Licensure:
ED 221 Role of Phonics in Reading
ED 332 Reading Across the Curriculum
ED 355 Assessment & Correction of Reading Disabilities
ED 341 Curriculum Principles Pre-K - 12
ED 342 Integrated Methods Pre-K - 12
ED 343 Field Experience for ED 342

For 7 - 12 Multi-Age Licensure:
ED 346 Senior Portfolio
ED 392 Classroom Management

TEACHER EDUCATION EVENING LICENSURE PROGRAM (PRE-K 3; 4-9; 7-12; MULTI-AGE)
This program is designed for those students who already hold a baccalaureate degree and wish to pursue a career in teaching. (See special bulletin of information and worksheet about the various licensure program requirements available from the Education Office.)

ASSOCIATE’S DEGREE, EDUCATION PARAPROFESSIONAL
66 Credits
Students who work toward the educational paraprofessional associate’s degree will be able to use the courses they complete toward a teaching license should they decide to pursue a bachelor’s degree.

Courses are offered day, evenings and weekends as well as during the summer months. The sequence of courses listed below comprise the curriculum for the program.

First Semester (15)
EN 110 Advanced Composition
CA 100 Elements of Speech
MA 130 Contemporary Math I
PY 201 General Psychology
BU 220 Introduction to Computers
Second Semester (16)
ED 204  Educational Psychology: Learning and Human Abilities
PH 180  History of Western Philosophy
MA 131  Contemporary Math II
BI 105, 106 Introduction to Biological Sciences
One literature course at the 200 level or above.

Third Semester (19)
ED 205  Psychology of Student with Special Needs
ED 301  Integrating Technology Across the Curriculum
TH 150  Introduction to Theology
HP 110  Wellness for College
CH 220, 221  Earth Science
One art course at the 200 level or above.

Fourth Semester (16)
ED 221  The Role of Phonics in Reading
ED 332  Reading Across the Curriculum in ECE and MCE
ED 352  Student Class Management
ED 475  Issues in Education
ED 392  Educational Paraprofessional Methods
ED 393  Educational Paraprofessional Practicum

FIELD-BASED EXPERIENCE
The Professional Education program includes field-based experiences that provide for observation and practice. They are designed to meet the current Ohio Teacher Education and Licensure Standards. Each student completes field-based experiences in diverse settings (cultural, racial and socioeconomic). Placements are made as an integral part of each of the professional education courses taken.

Admission to the Education Division
Degree-seeking Students in education must apply and be accepted to the division before taking 300 and 400 level education courses. To apply, the student must have taken ED 202, 204 and 205, complete an application (available from the Education Office or ED 205 instructor) and have a 2.75 GPA and a 2.75 GPA in education courses.

COURSE OFFERINGS
ED 202  Introduction to Education  3 cr.
Introduction to the historical, sociological, and philosophical foundations of education, including an understanding of the moral, social, and political dimensions of classroom teaching and schools. The focus is on education as a profession. Designed to facilitate career exploration.

ED 203  Field Experience  .5 cr.
Field placement component for ED 202. Twenty hours (20) of observation, one-on-one tutoring or other classroom-related activities on three separate visits to classrooms representing the ECE, MCE and AYA licensure areas. Pass/fail grade. Must be taken concurrently with ED 202.

ED 204  Educational Psychology: Learning and Human Abilities  3 cr.
Study of development, learning, and instructional theory and its practical application to effective teaching of diverse populations. Explores the psychological foundations of student variability, behavioral and cognitive learning theories, information processing, motivation theories, practices of grading and the evaluation of student learning. The findings of research and current best practices in the above areas are explored in relation to creating a positive classroom environment for learning. Prerequisite: PY 201 or equivalent.

ED 205  Psychology of Student with Special Needs  3 cr.
Overview of the life-span of students with special learning needs. Focus will be placed on the characteristics in mental, sensory, physical, communicative, social and emotional development which affect learning and adaptive behavior. Discussion of issues related to education, family, life; federal and state legislation. Prerequisite: PY 201.

ED 206  Field Placement Component for ED 205  .5 cr.
Approximately fifteen (15) hours of observation at an appropriate site as determined by the instructor and/or Field Placement Director. Pass/fail grade. Must be taken concurrently with ED 205.
**ED 221** The Role of Phonics in Reading  

**ED 265** Foundations of Early and Middle Childhood Education  
This initial course includes an overview of the history, philosophy, and goal of teaching students in grades P-9. It emphasizes the study of developmentally-appropriate curriculum organization, the need for integrating the curriculum, and multiple strategies for evaluating and assessing student performance. Prerequisite: ED 202.

**ED 291, 292, 293** Special Topics  

**ED 301** Integrating Technology Across the Curriculum  
An intermediate course which further develops electronic communications with emphasis on Internet resources, Telnet and e-mail; issues of productivity and interactive technologies; evaluation of software programs. Emphasis is placed on the integration of technology across the P - 12 curriculum. Guidelines for selecting Internet services and pertinent educational sites on the Internet. Additional use of assistive technology for students with special needs. Overview of more advanced troubleshooting such as extension conflicts, upgrades, reinstallation of system software. Prerequisites: ED 204 and IS 220 or placement.

**ED 330** Collaborative Teaming  
This course is designed to develop collaborative skills and effective communication practices in working with families of children with disabilities. Specific strategies to more effectively develop collaboration with regular classroom teachers and other school and community personnel will be explored as well as opportunities to practice elements of successful and effective team relationships. The student will demonstrate a working knowledge of the IEP team including the consultative role of professionals in related services. Ten (10) hours of field experience required.

**ED 332** Reading Across the Curriculum in ECE and MCE  
A study of the strategies for using literature in teaching reading in all areas of the PK-3 and 4-9 curriculum. Includes use of both expository test and content-oriented literature. Prerequisites: ED 202, 204, 265, 301, and formal admission to the Division of Education.

**ED 335** Reading in the Content Areas  
This course is designed to explore the techniques used in the development of successful student reading of subject matter content. Prerequisites: ED 202, 204, 205 and formal admission to the Division of Education.

**ED 341** Curriculum Principles P-12  
An examination of curriculum principles that impact upon planning instructional activities for students. Emphasis placed on the Backward Design concept. Prerequisites: Completion of ALL other education coursework and 90% of content work. Must be ready to student teach in the one or two semesters following the completion of this course. Formal admission to the Division of Education. ED 341 precedes ED 342.

**ED 342** Integrated Teaching Methods P-12  
Effective teaching methodology is introduced that addresses the needs of today’s diverse classroom. Prerequisites: Completion of ALL other education coursework and 95% of content work. Must be ready to student teach in the next semester following the completion of this course. Formal admission to the Division of Education.

**ED 343** Field Experience for ED 342  
Field placement component for the ED 342 methods class required of ALL education majors/minors. The planning, teaching and reflection of multiple lessons taught at an off-site location determined by the instructor and/or Field Placement Director. (Must be taken concurrently with ED 342.)

**ED 352** Student Class Management - MMIS  
Behavior management techniques are discussed as well as the theories used to develop basic standards of reinforcement for children with disabilities. Individual and classroom management plans are discussed including methods of obtaining baseline data to document observable behavior and to initiate problem solving methods to change inappropriate behavior. Twenty (20) hours of field experience required.
ED 353 Assessment of Special Needs 3 cr.
The student will demonstrate a working knowledge of terminology associated with the assessment of individuals with disabilities including formal and informal measures used to explore a student’s eligibility and referral for special education. Basic methods of referral, screening and placement will be analyzed. Twenty-five (25) hours of field experience required.

ED 354 Instructional Strategies for Mild/Moderate 3 cr.
Instructional strategies for the student with mild and moderate disabilities provide both the theoretical and practical aspects of developing an Individual Education Plan for the student with special needs. Included in the course is the use of accommodations, methods for planning and monitoring instruction, choosing and developing materials and integrating technology to ensure that student abilities are acknowledged.

ED 355 Assessment and Correction of Reading Disabilities 3 cr.
A study of the types and causes of reading disabilities, procedures for clinical and classroom diagnosis, and the methods and materials for the correction of these disabilities. Prerequisites: ED 221 and ED 376.

ED 357 Field Experience for ED 354 1 cr.
Field placement component for the ED 354 course. (Replaces ED 343). The planning, teaching, and reflection of multiple lessons taught at an off-site location. Determined by the instructor and/or field placement director. Must be taken concurrently with ED 354.

ED 358 Classroom Management 3 hrs.
A study in the principles and applications of classroom management. This course will cover the reasons why children misbehave and how to effectively respond to common behavioral issues. Practical experiences, case examples and exercises will promote increased skills in defining and assessing the environment, the student, the inappropriate behaviors, and your teaching style/philosophy’s influence on classroom management. You will learn to evaluate intervention strategies and how to design a classroom management plan that makes sense for your students. Contents will cover strategies for parent/professional collaboration. The information provided will allow participants to immediately implement strategies across a variety of school, mental health, and human services settings.

ED 376 Developmental Reading Instruction in ECE 3 cr.
A comprehensive approach to the development of reading with a focus on language development, oral communication skills and reading/writing through developmentally, individually and age-appropriate activities for young children. Emphasis on children’s progress in literacy development, appropriate teaching methodologies and the holistic approach throughout the entire curriculum for young children of diverse learning needs. Prerequisites: ED 202, 204, 205, 221, 265 (Pre-K and 4-9 only), 355 and formal admission to the Division of Education.

ED 379 Music, Creative Arts and Physical Movement Activities in ECE 3 cr.
This course focuses on appreciation for and the integration of art, music and physical movement activities into the classroom learning environment. Students will learn strategies and techniques to meet the needs of students with diverse needs and cultural backgrounds in the context of developmentally appropriate practice. Prerequisites: ED 204, ED 265.

ED 380 Field Experience for Reading for ECE, MCE & MMIS Licensure 1 cr.
Field placement component for the reading core required for early and middle childhood licenses. Thirty (30) hours of observation/activities at an appropriate site as determined by the instructor and/or field placement director. Must be taken after the completion of the ECE, MCE, or MMIS 12-hour reading core.

ED 391, 392, 393, 394 Selected Topics 1-3 cr.
ED 412 Student Teaching: Middle Childhood 6, 12 hrs.
Fifteen (15) weeks of student teaching in a chartered school in middle childhood classrooms (4-9) in one or both areas of concentration under the supervision of cooperating teachers and a college supervisor. Prerequisite: Department approval. ALL education coursework and content-area coursework must be completed prior to student teaching. Formal application made one semester prior to student teaching.
ED 413  Student Teaching: Early Childhood  6, 12 hrs.
Fifteen (15) weeks of student teaching in a chartered school in the early childhood classroom (Pre-K-3) under the supervision of a cooperating teacher and a college supervisor. Prerequisite: Department approval. ALL education coursework and content-area coursework must be completed prior to student teaching. Formal application made one semester prior to student teaching.

ED 414  Student Teaching: MMIS  6, 12 hrs.
Fifteen (15) weeks of student teaching in a chartered school in the special education classroom (K-12) under the supervision of a cooperating teacher and a college supervisor. Prerequisite: Departmental approval. ALL education coursework and content—area coursework must be completed prior to student teaching. Formal application made one semester prior to student teaching.

ED 421  Student Teaching: Adolescent to Young Adult (AYA)  12 hrs.
Fifteen (15) weeks of student teaching in a chartered school in adolescent/young adult classrooms (7-12) under the supervision of a cooperating teacher and a college supervisor. Prerequisite: Department approval. ALL education coursework and content—are coursework must be completed prior to student teaching. Note: Multi-age teaching can be done at either the early, middle or secondary levels. Formal application made one semester prior to student teaching.

ED 475  Issues in Education  3 cr.
An integrative seminar which focuses on an understanding of current issues affecting education and educational practices in the United States, and the role of the professional educator in responding to these issues. Students are required to complete and submit an electronic portfolio prior to the completion of this course. Formal admission to the Division of Education and senior status required. Must be taken immediately before student teaching.

ED 491, 429, 493, 494  Special Projects  1-3 cr.

ENGLISH

Program Goals:
1. All graduates of the English program will demonstrate skill in reading comprehension, problem solving, critical thinking and effective writing to be effective in advanced study and in the workplace.

2. All graduates of the English program will demonstrate the beginnings of a life-long love for literature and the performing arts.

ENGLISH MAJOR
49-51 Credits
Requirements:
CA 112  Oral Interpretation
EN 210  Critical Writing
EN 312  History of the English Language
EN 314  Workshop in Advanced Grammar
EN 321  Introduction to Literary Theory and Criticism
EN 331  British Literature to 1700
EN 332  British Literature 1700-1900
EN 341  American Literature to 1900
EN 342  Seminar in American Literature
EN 395 or 495  Cooperative Education (1-3 cr.)
(Not needed for the Integrated Language Arts Licensure)
EN 462  Shakespeare’s Histories and Tragedies
EN 480  Great Books Seminar
EN 482  English Studies
(Not needed for the Integrated Language Arts Licensure)

One of the following:
EN 220  Newswriting
EN 318  Creative Writing
EN 324  Writing for Publication

One of the following:
EN 343  Major African American Writers
EN 459  Postcolonial Literature
EN 460  Literature of Continental Europe
EN 382  Women Writers

One of the following:
CA 305  Film Studies
CA 309  Acting & Directing
CA 313  Event/Play Production
One of the following:
CA 250 Mass Communication
CA 323 Writing for the Non Print Media
CA 410 TV/Radio

ENGLISH MINOR
24 Credits
Requirements:
CA 112 Oral Interpretation
EN 462 Shakespeare’s Histories and Tragedies
EN 480 Great Books Seminar

One of the following:
EN 210 Critical Writing
EN 220 Newswriting
EN 318 Creative Writing

One of the following:
EN 255 Introduction to Western Literature: Epics and Poetry
EN 256 Introduction to Western Literature: Prose
EN 261 The Drama and Theater
EN 262 Modern Drama and Theater
EN 281 The Short Story

Three courses in British, American, or world literature.

WRITING MINOR
21 Credits
Requirements for all Emphases (12 Credits):
EN 210 Critical Writing
EN 220 Newswriting
EN 318 Creative Writing
EN 482 English Studies

Drama/Screenwriting Emphasis:
Add three of the following (9 credits):
EN 261 The Drama and Theater
EN 262 Modern Drama and Theater
CA 305 Film Studies
EN 381 Women Playwrights
EN 461 Shakespeare’s Comedies
EN 462 Shakespeare’s Histories and Tragedies

Poetry Emphasis:
Add three of the following (9 credits):
EN 255 Introduction to Western Literature: Epics and Poetry
EN 332 British Literature 1700-1900
EN 342 Seminar in American Literature
EN 370 20th Century British and American Poetry

Fiction Emphasis:
Add three of the following (9 credits):
EN 256 Introduction to Western Literature: Prose
EN 281 Short Story
EN 342 Seminar in American Literature
EN 369 British and American Novels since 1800

ADOLESCENT TO YOUNG ADULT LICENSE (GR. 7-12) IN INTEGRATED LANGUAGE ARTS
Students preparing for Adolescent to Young Adult licensure in Integrated Language Arts complete the requirements of an English major with two exceptions:
EN 482 and the credits in cooperative education are not required.

See EDUCATION for Professional Education Requirements.

AREA OF CONCENTRATION IN READING AND LANGUAGE ARTS FOR MIDDLE CHILDHOOD LICENSE (GR. 4-9)
24 Credits
Requirements:
CA 112 Oral Interpretation
CA 250 Mass Communication
EN 312 History of the English Language
Highly recommended:
EN 314 Workshop in Advanced Grammar

One of the following:
CA 220 Newswriting
EN 210 Critical Writing
EN 318 Creative Writing

One of the following:
EN 331 British Literature to 1700
EN 332 British Literature 1700-1900

One of the following:
EN 341 Main Currents in American Literature to 1900
EN 342 Seminar in American Literature
One of the following:

EN 255  Introduction to Western Literature: Epics and Poetry
EN 256  Introduction to Western Literature: Prose
EN 281  The Short Story
EN 381  Women Playwrights
EN 382  Women Writers

Highly recommended:
EN 314  Workshop in Advanced Grammar

See EDUCATION for Professional Education Requirements.

ENGLISH MAJOR WITH A PRE-LAW EMPHASIS

Students interested in preparing for law school are wise to choose a rigorous English major which will help develop exceptional strength in critical reading and writing, logical reasoning, analytical thought, and moral responsibility to oneself and others. Because there is no specific pre-law major, the student must establish regular communication with an advisor as soon as possible to ensure the best possible preparation through course work, co-operative education, advising, and pre-professional testing.

COURSE OFFERINGS

* A college level composition course is a prerequisite to all other English courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 100/101</td>
<td>Basic Principles of Expository Writing</td>
<td>3 + 3 cr.</td>
</tr>
<tr>
<td>EN 108</td>
<td>English as a Second Language</td>
<td>3 cr.</td>
</tr>
<tr>
<td>EN 110</td>
<td>Advanced Composition: Expository Writing</td>
<td>3 cr.</td>
</tr>
<tr>
<td>EN 152, 252, 352, 452</td>
<td>Study Tours</td>
<td>1-6 cr.</td>
</tr>
<tr>
<td>EN 171, 271, 371, 471</td>
<td>Workshops</td>
<td>1-3 cr.</td>
</tr>
<tr>
<td>EN 191, 192, 193, 194</td>
<td>Selected Topics</td>
<td>1-3 cr.</td>
</tr>
<tr>
<td>EN 207</td>
<td>Writing Practicum</td>
<td>3 cr.</td>
</tr>
<tr>
<td>EN 210</td>
<td>Critical Writing</td>
<td>3 cr.</td>
</tr>
<tr>
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<tr>
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<td>3 cr.</td>
</tr>
<tr>
<td>EN 261</td>
<td>The Drama and Theater</td>
<td>3 cr.</td>
</tr>
<tr>
<td>EN 262</td>
<td>Modern Drama and Theater</td>
<td>3 cr.</td>
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</tbody>
</table>

A college-level course in English for international students which focuses on developing skills in listening, speaking, and writing needed for success in college. International students take this course, followed by EN 110, to complete the General Education Requirement for Written Communication.

A study of representative epics and poems with an emphasis on their relevance to the development of Western civilization.*

A course focusing on selected prose works, including selections from a variety of literary periods and genres.*

Study of dramatic literature, acting, stage design, production, and theatrical styles and trends from the classical age of Greece to the middle of the nineteenth century. Recommended preparation for EN 262.*

Study of dramatic literature, acting, stage design, production, and theatrical styles and trends from Ibsen to the present. Recommended preparation: EN 261.*
EN 281 The Short Story 3 cr.
Analysis and discussion of selected short stories by authors from different cultures and countries.*

EN 295, 395, 495 Cooperative Education 1-6 cr.

EN 312 History of the English Language 3 cr.
An introduction to the origins, history, and structure of the English language. Study of the function of language in society. Required for English majors and those preparing for AYA and Middle Childhood licensure, and recommended for English minors.*

EN 314 Workshop in Advanced Grammar 3 cr.
A systematic study of traditional grammar with applications to writing, revising and editing, literary analysis, and teaching English language arts. Required for English majors and those preparing for AYA licensure, and recommended for English minors and those preparing for Middle Childhood licensure in Language Arts.*

EN 318 Creative Writing 3 cr.
Develops skill in imaginative writing: poetry, fiction and/or non-fiction.*

EN 321 Introduction to Literary Theory and Criticism 3 cr.
An introduction to critical methodology and issues in literary criticism and contemporary theory, using both theoretical and literary texts. Recommended preparation: EN 210.*

EN 323 Writing for the Non-Print Media 3 cr.
Also listed as CA 323.
Offers instruction and practice in professional writing skills needed for careers in advertising, public relations, radio, and television. Prerequisite: EN 220.

EN 324 Writing for Publication 3 cr.
Also listed as CA 324
An advanced professional writing course providing experiences in freelance writing in various genres. All students will play an active role in writing or layout for the college newspaper Notre Dame News. Prerequisite: EN 220.

EN 331 British Literature to 1700 3 cr.
A chronological survey of British literature and its historical and social background from the earliest times to 1700, with readings from the highlights of major works.*

EN 332 British Literature 1700-1900 3 cr.
A chronological survey of British literature and its historical and social background during the 18th and 19th centuries. Readings include samples of major works of the period.*

EN 341 Main Currents in American Literature to 1900 3 cr.
A historical survey of American literature from its Native American and colonial beginnings to the end of the nineteenth century, with emphasis on themes, images, stylistic techniques, and cultural assumptions in the works of major literary figures.*

EN 342 Seminar in American Literature 3 cr.
A concentration on 20th century American literature, with emphasis on the relationship between literature and its cultural and intellectual contexts.*

EN 343 Major African-American Writers 3 cr.
Analysis and discussion of selected works of major African-American authors.*

EN 369 British and American Novels since 1800 3 cr.
Reading and discussion of significant British and American novels.*

EN 370 20th Century British and American Poetry 3 cr.
Poetry, theory, and techniques of modern poets such as Hopkins, Yeats, Eliot, Pound, Frost, Cathy Song, Lorna Dee Cervantes.*

EN 381 Women Playwrights 3 cr.
Analysis and discussion of the works of selected women playwrights of the twentieth century.*

EN 382 Women Writers 3 cr.
Analysis and discussion of works of selected women writers with emphasis on exploration of vital issues from women’s perspectives.*

EN 391, 392, 393, 394 Selected Topics 1-3 cr.

EN 459 Postcolonial Literature 3 cr.
Reading and analysis of literature reflecting the hybridity of cultures in nations which were once part of European empires. Some introductory study of postcolonial theory. Junior-senior standing required, or departmental permission.*
EN 460 Literature of Continental Europe 3 cr.
Study of the structures and themes in the principal works of representative European writers. Junior-senior standing required, or departmental permission.*

EN 461 Shakespeare’s Comedies 3 cr.
Also listed as TR 461.
Reading and analysis of Shakespeare’s comedies; study of comedy techniques and poetic development. Junior-senior standing required, or departmental permission.*

EN 462 Shakespeare’s Histories and Tragedies 3 cr.
Also listed as TR 462.
Reading and analysis of Shakespeare’s histories and tragedies; study of Shakespeare’s development as tragic dramatist and poet. Junior-senior standing required, or departmental permission.*

EN 480 Great Books Seminar 3 cr.
The reading and discussion of selected texts, important for their literary genres and their impact on the history of ideas. An examination of the themes and values of western civilization. Junior-senior standing required.*

EN 482 English Studies 3 cr.
Analysis and synthesis of the practice of English studies, including canon formation, research, methodologies, pedagogy, and issues concerning graduate study and other professional options. Work will include in-depth analysis of great works of literature and refining of portfolios and resumes. Normally, senior standing is required.*

EN 491, 492, 493, 494 Independent Study 1-3 cr.
An opportunity for junior and senior level students in good academic standing and possessing the necessary skills to pursue a research topic or to develop a project. Closely directed by a faculty member.

ENVIRONMENTAL SCIENCE

Students in the environmental science program will gain a broad perspective in the physical and life sciences as related to environmental applications and issues. Coupled with an appropriate minor, graduates of this interdisciplinary program will be prepared for careers in environmental areas such as education, ecology, conservation, consulting, monitoring, communication, illustration, and health sciences.

The Bachelor of Arts Degree in Environmental Science is designed for students who plan to seek employment in an environmentally related vocation immediately upon graduation. It is not intended to prepare the student for further graduate studies in the life or physical sciences or as preparation for medical, dental, or veterinary programs.

ENVIRONMENTAL SCIENCE MAJOR
62 Credits
Requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 111, 113, 114, 115</td>
<td>College Chemistry &amp; Lab</td>
</tr>
<tr>
<td>CH 211, 213</td>
<td>Organic Chemistry I &amp; Lab</td>
</tr>
<tr>
<td>CH 220, 221</td>
<td>Earth Science &amp; Lab</td>
</tr>
<tr>
<td>CH 308</td>
<td>Environmental Chemistry</td>
</tr>
<tr>
<td>CH 310, 311</td>
<td>Quantitative Analysis and Lab</td>
</tr>
<tr>
<td>CH 432</td>
<td>Coordinating Seminar</td>
</tr>
<tr>
<td>CH 295 or BI 295</td>
<td>Cooperative Education</td>
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<tr>
<td>BI 110, 111, 112, 113</td>
<td>General Biology &amp; Lab</td>
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<td>BI 200, 201</td>
<td>Environmental Science &amp; Lab</td>
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<td>BI 260, 261</td>
<td>Ecology &amp; Lab</td>
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<tr>
<td>BI 360, 361</td>
<td>Microbiology &amp; Lab</td>
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<tr>
<td>BI 322</td>
<td>Animal Behavior</td>
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<tr>
<td>EN 220</td>
<td>Newswriting</td>
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<tr>
<td>MA 221</td>
<td>Statistics I</td>
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<tr>
<td>MA 300</td>
<td>Statistics II</td>
</tr>
<tr>
<td>PH 380</td>
<td>Bioethics*</td>
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</tbody>
</table>

* Fulfills GER in Philosophy

Recommended Electives:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PY 201</td>
<td>General Psychology**</td>
</tr>
<tr>
<td>EC 100</td>
<td>Economics and Contemporary Issues**</td>
</tr>
<tr>
<td>EN 324</td>
<td>Writing for Publication</td>
</tr>
<tr>
<td>IS 260</td>
<td>Microcomputer Applications in Business</td>
</tr>
</tbody>
</table>

** Either course fulfills GER in Social Sciences

Students are strongly encouraged to select a minor or a second major that would enhance their studies and job opportunities. Some possible minors include the following:

<table>
<thead>
<tr>
<th>Minor</th>
<th>Required Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>24 (8 additional)</td>
</tr>
<tr>
<td>Business Administration</td>
<td>28</td>
</tr>
<tr>
<td>Chemistry</td>
<td>28 (9 additional)</td>
</tr>
<tr>
<td>Communications</td>
<td>21</td>
</tr>
<tr>
<td>Graphic Communications</td>
<td>21</td>
</tr>
</tbody>
</table>
Consult the catalog listing in the appropriate discipline for specific requirements.

**COURSE OFFERINGS**

Required courses for the Bachelor of Arts Degree in Environmental Science are offered primarily through the biology and chemistry departments. Consult the catalog listing in the appropriate discipline for a description of course offerings.

**HEALTH EDUCATION/PHYSICAL EDUCATION**

The mission of the department is to empower students to make healthful choices in all dimensions of their lives.

**MINOR IN HEALTH EDUCATION**

22-25 Credits

An excellent minor for individuals interested in positively influencing the health behavior of individuals and communities in the public or private sector.

**Requirements:**

- BI 230, 231 Anatomy and Physiology
- HP 110 Wellness for College Life OR
- HP 112 Lifetime Wellness
- HP 213 Stress Management
- HP 215 Nutrition for Sport, Fitness, Health
- HP 310 Health Psychology
- HP 315 Understanding Sexuality
- HP 321 Applied Exercise Physiology

**Recommended Electives:**

- HP 153 Care and Prevention of Athletic Injuries
- PY 254 Adolescent Psychology
- PY 351 Psychology of Adult Development
- SO 425 Conflict Management

**MINOR IN COACHING**

18-21 Credits

An excellent minor for education majors and anyone interested in coaching in a school or recreational setting. Students can develop an acquaintance with skills needed to coach a variety of sports. This minor includes CPR and First Aid Certification as required by the State of Ohio for school athletic coaches.

**Requirements:**

- HP 153 Care and Prevention of Athletic Injuries
- HP 215 Nutrition for Sport, Fitness, and Health
- HP 230 Skills for Coaching Team and Individual Sports
- HP 400 Practicum in Coaching
- PY/HP 388 Psychology and Ethics of Coaching
- BU 462 Legal Issues in Sports

**Recommended Electives:**

- BI 230, 231 Basic Anatomy and Physiology and Lab
- HP 107 Water Safety Instruction
- HP 213 Stress Recognition and Management
- CA 201 Interpersonal Communication
- SO 420 Conflict Management and Resolution

**MAJOR IN SPORTS MANAGEMENT**

68-69 Credits

For information on this major, please refer to the Business Administration section of this catalog.

**COURSE OFFERINGS**

**HP 107 Water Safety Instruction**

2 cr.

This course prepares and certifies individuals in American Red Cross and Water Safety. Content includes primary and advanced swimming skills, stroke refinement and proficiency, basic and emergency water safety skills.

**HP 110 Wellness for College Life**

3 cr.

A lifestyle approach to fitness and wellness emphasizing primary prevention and mind/body relationship. Content focuses on topics of interest to traditional-age students.

**HP 112 Lifetime Wellness**

3 cr.

A holistic approach to fitness and wellness which emphasizes topics of interest to adult women and men with life experience. Content integrates our physical, psychological, social, and spiritual selves.
HP 115 Exercise and Conditioning 1 cr.
Designed to increase cardiovascular efficiency, flexibility, strength, and endurance through an individually planned exercise program.

HP 153 Care and Prevention of Athletic Injuries 3 cr.
Methods of preventing common athletic injuries, sport-specific conditioning techniques, First Aid, CPR, Safety Education, and discussion of blood borne pathogens. American Red Cross and Ohio Certification granted if all criteria are met.

HP 191, 192, 193, 194 Selected Topics 1-3 cr.

HP 213 Stress Recognition and Management 3 cr.
The stress response and its effects on body organs and systems, consequences of unmanaged stress for personal health and relationships. Examination of a holistic perspective on internal and external stressors. Techniques for identifying and effectively managing lifestyle stressors.

HP 215 Nutrition for Sport, Fitness, and Health 3 cr.
Basic principles of nutrition, stressing components necessary for the maintenance of good health, optimal athletic performance, and disease prevention. Prerequisite: HP 110 or 112.

HP 230 Coaching Team and Individual Sports 3 cr.
Development of a foundation of coaching techniques, strategies, and organizational skills for coaching.

HP 291, 292, 293, 294 Selected Topics 1-3 cr.

HP 315 Understanding Sexuality 3 cr.
A holistic health and psychosocial perspective on understanding sexuality as a composite of one’s total being. Topics include physiology and health of the reproductive system; sexual behavior, components of sexual choice; gender issues, sexuality and the life cycle. This course can be chosen as an elective for the Women’s Studies Minor.

HP 321 Applied Exercise Physiology 3 cr.
The study of systemic adaptations that occur during training, conditioning, and sports competition; techniques for measurement and assessment of physiologic capacities; discussion of physical and psychological aids to performance. Prerequisite: HP 110/112 and BI 230/231.

HP 330 Health Psychology 3 cr.
The contributions of the discipline of psychology to the promotion and maintenance of health related issues. Topics include the biopsychosocial view of health, pain management, stress management, and the relationship between lifestyle choices and optimal physical and psychological health. Prerequisite: PY 201

HP 350 Applied Kinesiology 3 cr.
Study of the scientific basis of human movement. Structure and analysis of muscular-skeletal systems and dynamics of movement. Application to individual fitness programs, lifetime physical activity, and coaching. Prerequisite: BI 230/231

HP 388 Psychology and Ethics of Coaching 3 cr.
An exploration of the psychology and philosophy of the coaching experience and the player/coach relationship. Topics include: team and player motivation and leadership, communication, goal setting and performance evaluation. Ethical considerations in coaching.

HP 391, 392, 393 Selected Topics 1-3 cr.

HP 400 Practicum 1-3 cr.
Supervised coaching experience in a school or recreational setting.
HISTORY/POLITICAL SCIENCE

The study of history and political science offers students the opportunity to learn about a variety of cultural, political and economic developments throughout the world and in our own society. The program offers a major in history or political science, as well as a minor in both fields.

HISTORY MAJOR

39 Credits

Goals:
The history major requires the student to analyze the social, political and economic culture of the world civilizations. It focuses on cultivating and refining critical thinking, reading, writing, and research skills. The program prepares students for careers in high school and elementary education as well as graduate studies in history, law, library science, policy studies, intelligence research and analysis and certain fields within the private sector.

Requirements:
HI 110 Western Cultures from 1500
HI 200 Major Themes in American History
HI 450 Senior Research Seminar
EN 210 Critical Writing
HI 495 Cooperative Education Project

An additional eighteen (18) credits in history are required. Six credits (6) credits must be completed in political science. Three (3) of the eighteen (18) credits in history must be from the following courses. HI 210, HI 330, HI 332, HI 333, HI 334.

A student who desires to do so may also declare an area of special interest within the history major. These areas of special interest include U.S. History, European History or Non-Western History. Students will complete 12 hours of coursework in the area of special interest as well as completing the other requirements for the major.

Outstanding students with a major or minor in History may be inducted into the Omicron Iota chapter of Phi Alpha Theta, the national history honorary society.

POLITICAL SCIENCE MAJOR

42 Credits

Goals:
The political science major requires students to appreciate, comprehend and critique political systems of underdeveloped, developing and developed countries. Emphasis is placed on the development, implementation and evaluation of policy at the local, national and international level. The program prepares students for graduate work in political science, law and policy studies as well as for work in politics, government, and certain fields within the private sector. It cultivates and refines the student’s research, reading, writing and critical thinking skills.

Requirements:
Core Courses
PO 111 American Government and Politics
PO 210 State and Local Government and Politics
PO 220 Introduction to Political Thought
PO 350 Introduction to Social Science Research
PO 450 Senior Research Seminar
PO 495 Senior Practicum

American Politics
Two of the following:
PO 315 Supreme Court and Constitutional Law
PO 317 American Presidency and Congress
PO 340 American Political Parties and Interest Groups
PO 345 Politics and the Media

Comparative Politics/International Relations
Two of the following:
PO 311 Comparative Politics
PO 312 International Relations
PO/HI 410 American Diplomacy
PO 411 International Law

Public Policy/Public Administration
One of the following:
PO 313 Public Policy in America
PO 325 Public Administration: Concepts and Practices
NR 410 Health Care Policy

An additional nine (9) credits in political science is required.
MINOR IN HISTORY
18 Credits
Requirements:
HI 110 Western Cultures from 1500
HI 200 Major Themes in American History
EN 210 Critical Writing

An additional nine (9) credits in upper level history courses are required for completion of the program. Three (3) credits must be in a non-European and non-American content area.

MINOR IN POLITICAL SCIENCE
21 Credits
Requirements:
PO 111 American Government and Politics
PO 210 State and Local Government and Politics
PO 220 Introduction to Political Thought
PO 350 Introduction to Social Science Research

An additional nine (9) credits (one selection from each subfield) are required for completion of the minor in Political Science.

MAJOR IN HISTORY WITH AN EMPHASIS IN INTELLIGENCE ANALYSIS AND RESEARCH (IAR)
The program in intelligence analysis and research (IAR) is a multidisciplinary concentration within the History and Political Science Department that has been designed to give students the necessary background that will enable them to pursue careers as research or intelligence analysts in government agencies or in private enterprise. Analysts who do this kind of work, whether it be related to national security, the investigation of criminal activities, or competitive business intelligence, prepare assessments based on the collection, correlation and analysis of intelligence data. The goal of the IAR program is to prepare qualified graduates for entry-level positions and to bring with them the following skills:

- A broad understanding of world and American history
- A knowledge of comparative governments and political philosophies
- The ability to produce written and oral reports and assessments based on research, correlation, and analysis
- A reading competency in a foreign language
- A familiarity with computer operations and database management
- A general understanding of statistical techniques

Intelligence Analysis and Research Emphasis Requirements:
Students who seek admission to the IAR program must apply to the program director, submit a writing sample, and successfully complete an interview by the selection committee. Students must be aware that future employment requires intensive background investigations, and any conduct that is deemed to be significantly unethical, illegal, or unprofessional may result in the failure of that student to gain employment in the field regardless of his/her academic record.

To be recommended for graduation the student must have a minimum GPA of 3.0 in all courses. Courses required for completion of the emphasis may not be taken pass-fail basis. A departmental review and assessment of the academic progress of all students enrolled in the program will take place at the conclusion of each academic year. Students whose GPA falls below the minimum standard of 3.0, or who exhibit behavior that is not conducive to ensuring employment in this field will be placed on probation or disenrolled from the program, depending on the outcome of the review.

Course Requirements:

History Core:
HI 110 Western Civilization after 1500
HI 200 Major Themes in American History
EN 210 Critical Writing
HI 450 Senior Research Project
HI 495 Cooperative Education

Coursework for completion of program:
PO 111 American Government and Politics
EC 202 Macroeconomics
PO 311 Comparative Politics
PO 312 International Relations
HI 410 American Foreign Policy

Plus one course in non-western history (HI 330, 331, 332, 333, 336)
IP 150 Introduction to Intelligence
IP 250 Methods of Research and Analysis
IP 253 Writing for Intelligence
IP 350 Terrorism
IP 351 Competitive Intelligence
IP 352 Methods of Financial Investigation and Research
IP 353 Intelligence and National Security
IP 452 Strategic Intelligence
IP 455 Advanced Research and Analysis

Plus 12 credits in a foreign language
HISTORY MAJOR WITH A PRE-LAW EMPHASIS

Students interested in preparing for law school are wise to choose a rigorous History major which will help develop exceptional strength in critical reading and writing, logical reasoning, analytical thought, research skills, and moral responsibility to oneself and others. Because there is no specific pre-law major, students are encouraged to establish regular communication with an academic advisor as soon as possible in order to ensure the best possible preparation through course work, cooperative education, advising, and pre-professional testing.

Requirements:

**History:**
- HI 110 Western Cultures from 1500
- HI 200 Major Themes in American History
- HI 450 Senior Research Seminar
- HI 495 Cooperative Education Project
- EN 210 Critical Writing

An additional eighteen (18) hours in History are required. Six (6) credits must be completed in Political Science. Three of the eighteen (18) credits in History must be from the following courses: HI 210, HI 330, HI 332, HI 333, HI 334.

Although only one social science class is required, students planning to study law need a strong background in the social sciences and the humanities. Therefore, it is strongly recommended to choose as many courses as possible from this list:

- PY 201 General Psychology (highly recommended)
- PY 210 Social Psychology
- PY 375 Psychology of Personality
- PO 111 Introduction to Politics and Government
- PO 210 American Government
- HI/PO 315 American Constitutional Law (highly recommended)
- SO 201 Introduction to Sociology
- SO 310 Social Institutions
- SO 425 Conflict Management and Resolution (recommended)

Any other 300 level or higher course in literature.

The following electives are also recommended:
- CA 201 Interpersonal Communication
- CA 374 Presentation Techniques (recommended)
- BU 155, 156 Accounting Principles I and II
- BU 435 Business and Government

POLITICAL SCIENCE MAJOR WITH AN EMPHASIS IN CRIMINAL JUSTICE

The concentration in Criminal Justice is a multidisciplinary program designed to prepare students for careers in corrections, law enforcement, justice administration, or any of the many career paths in this area. Students will benefit from coursework that will prepare them to be leaders in the field by stressing applied problem solving and critical reasoning skills in a fast-paced, highly competitive, and rapidly changing environment. Through completion of the core requirements of the program and various electives, students will receive a well-rounded, values-based liberal arts education that will prepare them for success in the workplace or in graduate school.

This is a program with a conscience. The curriculum is consistent with the mission of the College, and is unique among similar programs for the following reasons:
1. Students will be made aware of the ethical principles of Catholic Social Justice teaching and its emphasis on the dignity of the human person.
2. Students will explore current trends and issues of criminal justice as they relate to personal, professional and global responsibility.

**Core Courses in Political Science:**
- PO 111 American Government and Politics
- PO 210 State and Local Government and Politics
- PO 220 Introduction to Political Thought
- PO 350 Introduction to Social Science Research
- PO 450 Senior Research Seminar
- PO 495 Senior Practicum

**Additional courses for completion of the program:**
- PO 131 American Criminal Justice
- PO 235 Theory & Applied Criminology
- PO 313 Public Policy in America
- PO 432 Ethics in Criminal Justice

**Law and Administration of Justice:**
- PO 331 Courts and Justice
- PO 332 Criminal Law

**Police Studies:**
- PO 333 The Role of Police in Contemporary Society

**Corrections:**
- PO 334 Corrections in America

**Crime and Society:**
- PO 430 Criminal Justice Policy Analysis & Planning
- PO 431 Offenders with Disabilities
INTERDISCIPLINARY MAJOR IN
PUBLIC ADMINISTRATION

56-58 Credits
In addition to the common core, students pick a concentration from Human Resources Management, Financial Resource Management, or Political Practice. They may also opt to design their own concentration.

Core Courses (38 Credits):
- PO 111 Introduction to Politics and Government
- PO 210 American Government
- PO 313 Public Policy in America
- PO 412 Public Administration
- PO 450 Senior Research Seminar
- PO 495 Senior Practicum
- BU 155-156 Accounting Principles
- BU 232 Business Communications
- BU 240 Management and Organization
- EC 201-202 Principles of Economics

Emphasis in Human Resource Management
(18 Credits):
- BU 300 Principles of Supervision
- BU 341 Human Resources Management
- BU 345 Organizational Behavior
- BU 436 Labor Relations
- EC 480 Labor Economics
- SO 425 Conflict Management and Resolution

Emphasis in Financial Resource Management
(20 Credits):
- BU 255-256 Intermediate Accounting
- BU 360 Corporate Finance
- BU 370 Investments
- BU 435 Business and Government
- EC/PO 432 Public Finance

Emphasis in Political Communication (18 Credits):
- BU 230 Marketing Principles
- BU 301 Consumer Behavior or
- BU 390 Advertising
- CA 201 Interpersonal Communication
- CA 250 Mass Communication
- CA 374 Presentation Techniques
- CA 403 Public Relations

Students may also choose, with the help of their advisor, to design a concentration of their own. Some possibilities are public policy regarding energy and/or the environment, with course work in the sciences, or public health and nutrition issues, with course work in nutrition.

MAJOR IN POLITICAL SCIENCE WITH AN
EMPHASIS IN INTERNATIONAL STUDIES

57 Credits

Political Science Requirements:
- PO 111 American Government and Politics
- PO 311 Comparative Politics
- PO 312 International Relations
- PO 410 American Foreign Policy
- PO 411 International Law
- PO 450 Senior Research Project
- PO 495 Cooperative Education

History
Select four courses:
- HI 330 Africa: A Continental History
- HI 332 The Transformation of Japan
- HI 333 The Middle East: From Islam to Nationalism
- HI 334 The Making of Modern China
- HI 336 Latin America: A Regional History
- IP 350 Terrorism

Economics Requirements:
- EC 201 Principles of Microeconomics
- EC 202 Principles of Macroeconomics

Electives
Select two courses:
- EC 305 Comparative Economic Systems
- EC 331 Money and Banking
- EC 440 International Economics
- EC 442 International Finance
- BU 450 International Marketing
- TH 370 Religions of the World

Plus 12 hours of a foreign language or equivalent.
MINOR IN POLITICAL SCIENCE WITH AN EMPHASIS IN INTERNATIONAL RELATIONS/STUDIES

21 Credits

Requirements:
PO 111 American Government and Politics
PO 311 Comparative Politics
PO 312 International Relations
PO 410 American Foreign Policy

Plus nine (9) hours from the following courses:
EC 305 Comparative Economic Systems
EC 440 International Economics
EC 442 International Finance
IP 350 Terrorism
TH 370 Religions of the World
PO 411 International Law
BU 450 International Marketing
HI 330 Africa: A Continental History
HI 332 The Transformation of Japan
HI 333 The Middle East: From Islam to Nationalism
HI 334 The Making of Modern China
HI 336 Latin America: A Regional History

Students may supplement their studies in this area with literature courses such as EN 459 and EN 460.

ADOLESCENT TO YOUNG ADULT LICENSE (GR. 7 - 12) AND MAJOR IN INTEGRATED SOCIAL STUDIES

54 Credits

Requirements:
EC 201 Principles of Microeconomics
EC 202 Principles of Macroeconomics
HI 110 Western Cultures from 1500
HI 200 Major Themes in American History
PO 111 American Government and Politics
PO 210 State and Local Government and Politics
PO 311 Comparative Politics
HI 450 Senior Research Seminar

Geography:
GO 200 World Geography

American History:
Choose two from the following:
EC 304 Economic History of the United States
HI 310 From Colonies to Nation
HI 311 Forging the American Nation
HI 312 America Ascendant
HI/PO 315 American Constitutional Law
HI 410 American Diplomacy
HI 411 African-American History

European History:
Choose one from the following:
HI 320 The Classical World & the Transition to Feudalism
HI 321 Renaissance to Revolution
HI 322 "Isms", Revolution and Imperial Expansion
HI 325 The Passing of the Old Order

World Civilizations:
Choose one of the following:
HI 210 Anthropology
HI 330 Africa: A Continental History
HI 332 The Transformation of Japan
HI 333 The Middle East: From Islam to Nationalism
HI 334 The Making of Modern China

American Political Development:
Choose one from the following:
EC 432 Public Finance
PO 313 Public Policy in America
PO/HI 315 American Constitutional Law

The Interconnected World:
Choose two from the following:
EC 305 Comparative Economic Systems
EC 440 International Economics
PO 312 International Relations
PO 410 American Diplomacy
PO 411 International Law

The Modern Society:
Choose one from the following:
SO 201 Introduction to Sociology
SO 222 Problems of Contemporary Society
SO 305 Minority Groups

See EDUCATION for Professional Education Requirements.
AREA OF CONCENTRATION IN SOCIAL STUDIES FOR MIDDLE CHILDHOOD LICENSE (GR. 4-9)

24 Credits

Requirements:

HI 110 Western Cultures from 1500
HI 200 Major Themes in American History
EC 100 Economics and Contemporary Issues
GO 200 Geography
PO 111 American Government and Politics
SO 201 Introduction to Sociology
HI 318 Ohio History

Choose one from the following:

HI 330 Africa: A Continental History
HI 332 The Transformation of Japan
HI 333 The Middle East: From Islam to Nationalism
HI 334 The Making of Modern China

See EDUCATION for Professional Education Requirements.

COURSE OFFERINGS

History

HI 110 Western Cultures from 1500 3 cr.
This course will examine the development of the Western World from 1500 to the present. Emphasis will be placed on the interaction between European culture and the culture of Africa, Latin America, the Middle East and Asia during the periods of colonialism, imperialism, and after independence.

HI 200 Major Themes in American History 3 cr.
A thematic survey of the political, economic, cultural development of American civilization from its inception to the present time. Themes will include the colonial experience, the development of the American nation, the national schism, American expansion, the evolution of American foreign policy, the American reform impulse, the growth of presidential power, and American diversity.

HI 301/WS 301 History and Themes of the Women's Movement 3 cr.
A course aimed at exploring how women have shaped and are shaping their own lives and the world. It begins with an overview of the role of women in Western culture since Paleolithic times. Then writers in the First Wave of Feminism (1840-1920) and from the Second Wave (1970 to the present) are surveyed.

The course will focus on themes relevant to students and to important current developments for women. Teaching is marked by collaboration, a key element in feminist methodology. Prerequisite: sophomore or departmental permission.

HI 310 From Colonies to Nation: American History from 1600-1820 3 cr.
An examination of the emergence of the American nation, from the colonial experience through the revolutionary period and the early national period. Prerequisite: sophomore or departmental permission.

HI 311 Forging the American Nation: The United States from 1820-1914 3 cr.
This course traces the growth of the United States during the 19th century. Major themes to be explored include expansion, slavery and sectionalism, reconstruction, industrialism, and imperialism through the Progressive Movement. Prerequisite: sophomore or departmental permission.

HI 312 America Ascendant: The United States from 1914 to the Present 3 cr.
Examines the development of the United States into a world superpower, focusing on the reforms of the New Deal, New Frontier/Great Society, and the Civil Rights Movement. Also considered is the assumption of international responsibility through two world wars and the Cold War. Attention is also paid to issues in American diversity and the divisions in the nation resulting from the Vietnam conflict along with recent issues of significance. Prerequisite: sophomore or departmental permission.

HI/PO 315 American Constitutional Law 3 cr.
This course includes a study of the origins and development of the American constitutional system, focusing on Supreme Court decisions through a case study approach to the politics of judicial review, intergovernmental relations, the commerce, taxing and treaty and war powers and the Bill of Rights and their influence on American government and society. Prerequisite: sophomore or departmental permission.

HI 318 Ohio History 3 cr.
Examines the history of Ohio from pre-colonial times to the present. Prerequisite: sophomore or departmental permission.
HI 320 The Classical World and the Transition to Feudalism 3 cr.
This course explores the development of the European world between 500 BCE and 1000 CE. The development of the classical ancient world and its subsequent collapse is examined, followed by the Dark Ages and the emergence of feudalism, with special attention paid to the political, economic and social aspects of feudal Europe. Prerequisite: sophomore or departmental permission.

HI 321 Renaissance to Revolution 3 cr.
This course examines the reawakening of Europe beginning with the Renaissance, followed by the Age of Discovery, the Scientific Revolution, the Enlightenment and Industrial Revolution, concluding with the origins and effects of the French Revolution. Special attention is given to the spread of European culture globally and its initial impact on non-European societies. Prerequisite: sophomore or departmental permission.

HI 322 “Isms”, Revolution and Imperial Expansion 3 cr.
Explores the “long century” of European history following the end of the Napoleonic Wars to the eve of World War I. New themes in European thinking are examined, along with the spread of industrialism, the rise of nationalism and the resurgence of imperialism. Prerequisite: sophomore or departmental permission.

HI 325 The Passing of the Old Order: Europe in the 20th Century 3 cr.
An examination of the end of the Balance of Power system and the devastating effects of the two world wars on Europe’s place in the world. Beginning with the origins of World War I through the end of the Cold War, the reduction of western Europe’s dominant position in the world will be investigated. Special attention will be given to the failure of the Treaty of Versailles, the rise of fascism, the Holocaust and the origins and effects of the Cold War on Europe. Prerequisite: sophomore or departmental permission.

HI 330 Africa: A Continental History 3 cr.
Examines African history from earliest times to the present, with emphasis on the 19th and 20th centuries; the ancient African civilizations, the impact of Europe, the colonial era and the development of the modern independent African states. Prerequisite: sophomore or departmental permission.

HI 332 The Transformation of Japan: From Feudalism to Nationhood 3 cr.
An investigation into the transition of Japan from a feudal, agrarian society dominated by a military dictatorship to a modern, western-style nation and the world’s second leading economic power. The major aspects of traditional Japanese society, culture and politics will be examined first, followed by a study of creation of the modern Japanese state. Consideration will be given to the speed with which this transformation was accomplished, Japanese expansion and militarism and Japan’s “economic miracle” following the World War II. Prerequisite: sophomore or departmental permission.

HI 333 The Middle East: From Islam to Nationalism 3 cr.
This course examines Middle Eastern history from the time of Muhammad to the present, with emphasis on the 19th and 20th centuries: the origins and spread of Islam, the rise and fall of the Ottoman and Safavid Empires, the era of European imperialism, and the development of the contemporary Middle East. Prerequisite: sophomore or departmental permission.

HI 334 The Making of Modern China 3 cr.
Focuses on the struggle to remake Chinese society in light of the effects of western imperialism on China. Traditional China is examined briefly, then the course focuses on China’s struggles in the 19th and 20th centuries to throw off foreign encroachment and transform itself into a modern nation. Prerequisite: sophomore or departmental permission.

HI 336 Latin America: A Regional History 3 cr.
An overview of the development of Latin America from the arrival of the indigenous population to the present day. The focus will be on the diversified culture of the region, its role within the Western Hemisphere, and its relationship with the United States. Prerequisite: sophomore or departmental permission.

HI 401 Colloquium on Historical Methodology 3 cr.
An exploration of the development of historiography as represented in the works of the world’s great historians from ancient times to the present. Consideration will be given to methods of research, evaluation of historical evidence and historical interpretation. Prerequisite: sophomore or departmental permission.
HI/PO 410 American Diplomacy 3 cr.
An examination of the evolution of American foreign policy from isolationism to the assumption of international responsibilities. Special attention will be paid to the increasing role of the executive in the making of American foreign policy. Prerequisite: sophomore or departmental permission.

HI 411 African-American History: The Struggle for Freedom and Equality 3 cr.
An investigation of the role of Black Americans in the history of the United States through the years of slavery, the transition from servitude to freedom and the struggle to acquire equal rights within American society and the special contributions Black Americans have made to the development of the American nation. Prerequisite: sophomore or departmental permission.

HI 421 The Holocaust 3 cr.
A consideration of key issues and events which led to the Holocaust, 1939-1945, the World War II era. The course examines the history of Europe between the world wars, focusing on Jews, Gentiles, and Germans. The impact of the rise of the Third Reich and passage of the Nuremberg laws will be discussed, and attention is paid to the condition of Gentiles and Jews at the outbreak of the war and the shadow of death that enveloped them in Germany and the occupied countries. The implementation of the Final Solution is traced along with its ramifications for Europe. The course concludes with the process of liberation of the concentration camps by the Allies and the destiny of those who survived. Prerequisite: sophomore or departmental permission.

HI 450 Senior Research Seminar 3 cr.
This course explores research methodology and allows the students to develop a research project based on their interests and needs. Prerequisites: Twelve hours of history and senior standing.

COURSE OFFERINGS

Intelligence Analysis and Research

IP 150 Introduction to U.S. Intelligence 3 cr.
An overview of the scope, elements and history of intelligence activities, with special emphasis on the American experience. Particular attention is paid to the role of intelligence in a democratic society.

IP 250 Methods of Research and Analysis 3 cr.
An integrated lecture and applications course that will develop basic skills in writing for intelligence, analysis, presentation, and technology. Prerequisite: IP 150.

IP 253 Writing for Intelligence 3 cr.
An introduction into the fundamentals of effective intelligence writing and presentation. Emphasis is placed on the variety of forms of intelligence writing, briefing styles, evaluation of intelligence products, for form and substance, and application of various advanced analytic techniques. Prerequisite: IP 150 and EN 110 or equivalent.

IP 350 Terrorism 3 cr.
An examination of the origins of terrorism and its evolution in order to develop an understanding of the roots, development, and impact of contemporary worldwide terrorism, especially in the United States. Prerequisite: sophomore or departmental permission.

IP 351 Competitive (Business) Intelligence 3 cr.
Explores the actionable information needs of modern business for competitive intelligence and business analysis with an emphasis on practical exercises and the use of open sources. Prerequisite: sophomore or departmental permission.

IP 352 Methods of Financial Investigation & Research 3 cr.
An examination of the tools and some of the financial background used by accountants and others in identifying financial fraud. Included is the examination of various types of records (bank, personal, etc.), which are at the center of financial investigation and analysis. Although some attention is paid to “white collar” crime, the course emphasizes the technical aspects involved in the investigation of financial crimes and the analysis of financial data necessary to make a financial case. Prerequisite: sophomore or departmental permission.
IP 353  **Intelligence and National Security**  3 cr.
An introduction to the process of national security decision-making in the United States with a special emphasis on the role of intelligence in formulating policy. Included is an historical overview of national security politics and practices since World War II, a description of major institutions and processes in national security policy-making, and a survey of significant national security problems and their changing nature in the 21st century. Prerequisite: sophomore or departmental permission.

IP 452  **Strategic Intelligence**  3 cr.
This course is divided into three parallel tracks that will cover strategic theory, the practice of strategic intelligence, and the application of those principles to a "real life" problem. Students will participate throughout the course as the member of a group in a large-scale estimative project. This project will require a minimum of two graded papers and two graded presentations, as well as a variety of more modest assignments. Prerequisite: junior or departmental permission.

IP 455  **Advanced Research and Analysis**  3 cr.
A continuation of the introductory course, which strives to develop enhanced skill levels, research processes, and analytical products. Prerequisite: IP 150, IP 250, IP 253, junior standing.

COURSE OFFERINGS

**Political Science**

PO 111  **American Government and Politics**  3 cr.
This course examines the American political system with emphasis on the fundamental principles, ideas, institutions and processes of modern government.

PO 210  **State and Local Government and Politics**  3 cr.
This course examines the the institutions, processes and intergovernmental relations at a state and local level. Particular attention will be paid to contemporary issues and problems of state and local governments.

PO 220  **Introduction to Political Thought**  3 cr.
This course examines the field of political science through an introduction to the major ideas and concepts of political thought. Topics covered include: western political theory from pre-Socrates through the enlightenment and modern times. Relationship of various thinkers to current political climate will also be explored.

PO 311  **Comparative Politics**  3 cr.
This course examines one of the subfields of political science: comparative political analysis. Various political systems are studied including: European, Asian, and African governmental systems. Prerequisite: sophomore or departmental permission.

PO 312  **International Relations**  3 cr.
This course examines the basic factors which motivate nations in their contact with one another, including the modern state system, nationalism, and militarism. Problems are discussed arising from conflicting national policies, international institutions, and implications for war and peace. Prerequisite: sophomore or departmental permission.

PO 313  **Public Policy in America**  3 cr.
This course examines public policy and the policy making process at all levels of government. Emphasis is on the roles of various participants in the executive and legislative branches as well as private individuals and groups. Prerequisite: sophomore or departmental permission.

PO/HI 315  **Supreme Court and Constitutional Law**  3 cr.
This course examines the judicial branch of the federal government and the interpretation of the Constitution by the Supreme Court. This course utilizes a case study approach through landmark decisions of the Supreme Court. The politics of the Court, judicial review, and the impact on American government and society will also be examined. Prerequisite: junior or departmental permission.

PO 317  **American Presidency and Congress**  3 cr.
This course examines the structure and function of the executive and legislative branches of American government. Emphasis is placed on conflict that arises between the President and Congress as well as the role of leadership and policy. Prerequisite: sophomore or departmental permission.
PO 325 Public Administration: Concepts and Practices 3 cr.
This course examines the field of public administration. It introduces the student to public service through current administrative theories and their application to public bureaucracies. Emphasis is placed on practices to improve the quality of public sector administration. Topics include: budgeting, personnel administration, non-profit sector management, and performance measurement. This course is especially designed for students interested in public sector employment. Prerequisite: sophomore or departmental permission.

PO 340 American Political Parties and Interest Groups 3 cr.
This course examines the development, structure, and function of political parties and interest groups in the United States. Prerequisite: sophomore or departmental permission.

PO 345 Politics and the Media 3 cr.
This course examines the relationships between the press, news media and political decision-makers. Emphasis is on the impact the media has on government and society. Prerequisite: sophomore or departmental permission.

PO 350 Introduction to Social Science Research 3 cr.
This course examines the research process through the logic of social science inquiry and contemporary techniques of analysis. Prerequisite: sophomore or departmental permission.

PO/HI 410 American Diplomacy 3 cr.
This course examines the evolution of American foreign policy from isolationism to the assumption of international responsibilities. Special attention will be paid to the increasing role of the executive in the making of American foreign policy. Prerequisite: sophomore or departmental permission.

PO 411 International Law 3 cr.
This course examines the evolution of international law and its role in international relations. The historical development of systems of international law will be traced and major facets of international law, including treaties, maritime law, the rules of war and human rights issues will be examined. Prerequisite: sophomore or departmental permission.

PO 450 Senior Research Seminar 3 cr.
This course examines research methodology and allows the students to develop a research project based on their interests and needs. Prerequisites: Twelve hours of political science and senior standing.

PO 495 Cooperative Education (Junior Status) 3 cr.

COURSE OFFERINGS

Criminal Justice

PO 131 American Criminal Justice 3 cr.
Overview of the criminal justice system that discusses the historical development and operations of the contemporary justice system in the United States, with an emphasis on emerging trends in the concepts and practices of the relevant agencies.

PO 235 Theory & Applied Criminology 3 cr.
An introduction into the history of crime, the sociology of criminal law, the operation of the criminal justice system, focusing on the roles of the police, prosecutors, defense attorneys, and judges. Offender types, including conventional, white collar, and organized crime are also considered as are theories of causation, victimology, prison, probation, and parole, and current trends and issues in criminology.

PO 331 Courts and Justice 3 cr.
An overview and examination of the functions, operations, and decision-making processes of the American court system. Prerequisite: sophomore or departmental permission.

PO 332 Criminal Law 3 cr.
An investigation and evaluation of the growth of legal relationships between the individual and government with special attention paid to the problems of law enforcement, including the adjudication of law and the impact of these decisions on both the citizen and the criminal justice system. Prerequisite: sophomore or departmental permission.

PO 333 The Role of Police in Contemporary Society 3 cr.
An examination of the role behavior and life of the line officer within the police subculture and in modern society. Among the topics presented are the influence of coercive power, subcultural influences, and personal issues related to loyalty, stress, health, critical incidents, family, and faith. Prerequisite: sophomore or departmental permission.
**PO 334 Corrections in America** 3 cr.
An examination of the correctional institution, including the history of penology, structure and organization, personnel, and inmate social world within American prisons. Also studied are the areas of probation and parole, and their place in the overall concept of rehabilitation and community corrections in modern society. Prerequisite: sophomore or departmental permission.

**PO 430 Criminal Justice Policy Analysis & Planning** 3 cr.
An examination of the historical and contemporary efforts to control or prevent crime. Major policies, programs, and strategies will be reviewed and critically analyzed. An emphasis will be placed on the development of analytical skills and the appropriate use of statistical techniques. Computer applications and other practical methods will be presented. Prerequisite: sophomore or departmental permission.

**PO 431 Offenders with Disabilities** 3 cr.
Designed to develop awareness of the offender with disabilities, the clinical definition of mental retardation and mental illness will be presented, while skills and strategies for successful communication with this segment of the population will be stressed. Specific approaches to the successful development of collaborative techniques with specialized personnel within the criminal justice system, such as court psychiatric clinics and community agencies that specialize in working with these individuals will be explored. Case studies relative to this segment of the population will be presented, and will focus on issues such as anger management, alcohol and drug abuse, problems of sexual abuse, and competency of the offender. Prerequisite: sophomore or departmental permission.

**PO 432 Ethics in Criminal Justice** 3 cr.
An examination of ethical behavior that will provide criminal justice students with the relevant decision-making skills that will enhance the practitioner’s duty performance as well as the public interest. The emphasis will be on making moral, rational, and responsible decisions which will lead to ethical professional behavior. (Must be taken at Notre Dame College.) Prerequisite: sophomore or departmental permission.

**COURSE OFFERINGS**

**Geography and Anthropology**

**GO 200 Introduction to World Geography** 3 cr.
This course studies the physical, political and economic aspects of the geography of three major regions of the world.

**HI 210 Anthropology** 3 cr.
Prehistoric and contemporary primitive society; implications for advanced societies.

**Management INFORMATION SYSTEMS**

**Goals:**
The Management Information Systems major helps students develop conceptual knowledge as well as the knowledge of software, programming and analysis skills to prepare for careers in business or further graduate studies. The program stresses practical applications and field experience.

This major is offered within the Business Administration Division. For detailed information on program requirements, see page 46 of the Business Administration section of the course catalog.

**COURSE OFFERINGS**

**IS 120 Basic Computer Skills** 3 cr.
This course will introduce the student to basic computer skills including: using a keyboard, using a mouse, word processing, using email, introduction to Web-based classroom management software, online discussion groups, other online collaboration tools and accessing information on the Internet. Computer placement test required.

**IS 220 Computer Productivity Applications** 3 cr.
Introduction to computers and information systems. Overview of computer hardware, software, and use in society. Instruction in advanced features of Windows, advanced word processing, and using spreadsheets, presentation graphics, and web page development software. Prerequisite: IS 120 or placement test.
**IS 222 Programming Logic & Design** 3 cr.  
Language-independent course introducing the computer program design and development process. Identification and solution of business problems emphasized. Concepts include program structures, decision-making, flow control, algorithm development and arrays. Techniques include structured flow charts, hierarchy charts, and the use of pseudocode in program design. Prerequisite: MA 110 or concurrent.

**IS 223 Visual Basic Programming** 3 cr.  
Introduction to the programming language Visual Basic as it is applied to business problems. Emphasis on the syntax of Visual Basic and techniques for developing, debugging, and documenting programs. Taken concurrently with IS 224 Visual Basic Programming Lab. Prerequisite: IS 222. In the Weekend College format, the IS 223, IS 224 combination is numbered IS 225 and 226. 2, 2 cr.

**IS 224 Visual Basic Programming Lab** 1 cr.  
One 2.75 hour lab period weekly taken concurrently with IS 223 Visual Basic Programming. Lab provides hands-on experience working with the Visual Basic language. In the Weekend College format, the IS 223, IS 224 combination is numbered IS 225 and 226. 2, 2 cr.

**IS 243 Multimedia Development** 3 cr.  
Introduction to the concepts of multimedia software, hardware, development concepts and basic visual and human interface design issues. Hands-on experience with multimedia hardware and software. Prerequisite: IS 220.

**IS 245 Web Site Design and Development** 3 cr.  
Focus on intermediate level skills in spreadsheet and database management packages. Emphasis on using the software tools to solve problems. Prerequisite: IS 220.

**IS 260 Computer Decision-Making Applications** 3 cr.  
Focus on intermediate level skills in spreadsheet and database management packages. Emphasis on using the software tools to solve problems. Prerequisite: IS 220.

**IS 310 Systems Analysis** 3 cr.  
Introduction to business systems analysis. The phases of the systems analysis and design cycle are examined using an approach that provides the student with a practical method for the application of systems techniques in the analysis, design, implementation, and evaluation of business information systems. Prerequisite: BU 305 and IS 260.

**IS 323 Info Technology Hardware & Software** 3 cr.  
Principles and application of telecommunication and computer systems hardware and software will be presented through lecture, installation, configuration, and operations experiences. The course provides the hardware-software technology background to enable systems development personnel to understand tradeoffs in computer architecture for effective use in the business environment. Prerequisite: IS 220.

**IS 333 Java Programming** 3 cr.  
Introduction to the Java programming language. Emphasis on the syntax of Java and techniques for developing, debugging, and documenting Java applications and Java applets. Taken concurrently with IS 334 Java Programming Lab. Prerequisite: IS 222. In the Weekend College format, the IS 333, IS 334 combination is numbered IS 331 and 332. 2, 2 cr.

**IS 334 Java Programming Lab** 1 cr.  
One 2.75 hour lab period weekly taken concurrently with IS 333 Java Programming. Lab provides hands-on experience working with the Java language. In the Weekend College format, the IS 333, IS 334 combination is numbered IS 331 and 332. 2, 2 cr.

**IS 335 Network Essentials** 3 cr.  
Introduction to network technology for local area networks (LANs), wide area networks (WANs), and the Internet. Emphasis on planning, implementing, managing, and troubleshooting a network. Prerequisites: IS 220 and IS 323.

**IS 336 C++ Programming** 3 cr.  
Introduction to the object-oriented computer programming language C++. Emphasis on the syntax of C++ and techniques for developing, debugging, and documenting programs. Taken concurrently with IS 337 C++ Programming Lab. Prerequisite: IS 222.
IS 337  C++ Programming Lab  1 cr.
One 2.75 hour lab period weekly taken concurrently with IS 336 C++ Programming. Lab provides hands-on experience working with the C++ language.

IS 350  Database Management Systems  3 cr.
A study of problems in managing data as a valuable resource of an organization. Topics include data structures, data models (hierarchical, network, inverted, relational), database management systems, database administration, data dictionaries, database design, and issues related to data management (ownership, integrity, sharing, security, privacy). Exposure to microcomputer database management systems. Prerequisite: IS 222, IS 260 and IS 310.

IS 391-394  Selected Topics in Info Systems  3 cr.
Study of selected topics in Information Systems. Topics will vary; title will reflect topics covered in a particular offering. Some possibilities are Advanced Web Site Development, Using VBA with Microsoft Office, Advanced Spreadsheet Analysis. Prerequisite varies with topic.

IS 443  Advanced Multimedia Development  3 cr.
Focus on the physical design, testing, and implementation of a multimedia module developed with an authoring program such as Macromedia Director. Prerequisite: IS 222 and 243.

IS 491-494  Independent Study  1-3 cr.
Opportunity for the student to study specific topics of interest not covered in curriculum which would aid in overall content knowledge of business or help better prepare student for career. Must have approval of department. Prerequisite: junior or senior standing.

MATHEMATICS

MATHEMATICS MAJOR
39 Credits
The mathematics program provides students with a broad foundation in mathematical knowledge, applications, and aesthetics for the purpose of preparation for careers, graduate school, and personal enrichment.

Students pursuing either a BA or BS in mathematics must complete the common major requirements as well as an area of emphasis chosen from one of the areas below. In addition, it is recommended that students complete PH 330 Critical Thinking, which fulfills a General Education Requirement.

Common Major Requirements (27 Credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MA 175</td>
<td>Calculus I</td>
<td>4 cr.</td>
</tr>
<tr>
<td>MA 176</td>
<td>Calculus II</td>
<td>4 cr.</td>
</tr>
<tr>
<td>MA 277</td>
<td>Calculus III</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MA 280</td>
<td>Differential Equations I</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MA 330</td>
<td>Modern Geometry</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MA 331</td>
<td>Linear Algebra and Matrix Theory</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MA 332</td>
<td>Introduction to Discrete Mathematics</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MA 432</td>
<td>Modern Algebra</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MA 481</td>
<td>Coordinating Seminar</td>
<td>1 cr.</td>
</tr>
</tbody>
</table>

I. Preprofessional Mathematics Emphasis (39 Credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 363</td>
<td>Numerical Analysis I</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MA 410</td>
<td>Differential Equations II</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MA 452</td>
<td>Discrete Structures</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>

Plus one elective 300 level and above

AREA OF CONCENTRATION IN
MATHEMATICS FOR ADOLESCENT TO YOUNG ADULT LICENSE (GR. 7-12)
39 Credits

Common Major Requirements plus the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 221</td>
<td>Statistics I</td>
<td>3 cr.</td>
</tr>
<tr>
<td>MA 310</td>
<td>Number Theory</td>
<td>3 cr.</td>
</tr>
</tbody>
</table>

Two upper-biennium math electives  6 cr.

See EDUCATION for Professional Education Requirements.
AREA OF CONCENTRATION IN MATHEMATICS FOR MIDDLE CHILDHOOD LICENSE (GR. 4 - 9)
15 Credits

Requirements:
MA 120 Pre-Calculus 3 cr.
MA 130 Elementary Number Theory 3 cr.
MA 131 Geometry, Probability and Statistics from an elementary point of view 3 cr.
MA 221 Statistics I 3 cr.
MA 330 Geometry 3 cr.

See EDUCATION for Professional Education Requirements.

MATHEMATICS MINOR
23 Credits

Requirements:
MA 175 Calculus I 4 cr.
MA 176 Calculus II 4 cr.
MA 277 Calculus III 3 cr.
MA 280 Differential Equations I 3 cr.
MA 330 Modern Geometry 3 cr.
MA 331 Linear Algebra and Matrix Theory 3 cr.
Plus one elective 3 cr.

MATHEMATICS PLACEMENT TEST
A student who intends to register for any of the following courses is required to have successfully completed the prerequisite for that course within two years prior to registration or to have demonstrated proficiency by taking a mathematics placement test within two years prior to registration.

MA 100 Introductory Algebra 3 cr.
MA 110 Intermediate Algebra 3 cr.
MA 120 MA 130 MA 221
MA 110 MA 131 MA 330
MA 120 MA 175

BINARY PROGRAM IN ENGINEERING
Students who are interested in pursuing a career in engineering may enter the Binary Program in Engineering. Students who major in mathematics or science at Notre Dame College can apply for admission to a binary program at Case Western Reserve University. The application should be made during the sophomore year so that course arrangements can be made by the beginning of the junior year. However, a freshman entering Notre Dame College should make known to the academic advisor the intent to enter the binary program.

At the conclusion of the engineering degree requirements, the student will receive a BS degree from Notre Dame College and a BS degree from the School of Engineering, Case Western Reserve University. The program takes a minimum of five years.

Students who wish to pursue engineering after graduation can do this with an undergraduate major in chemistry or mathematics. During the sophomore year the student should know the program requirements of the planned graduate school so that the appropriate course electives can be chosen.

COURSE OFFERINGS
MA 100 and 110 are developmental courses, do not count toward the 128 credit hours required for graduation, and do not fulfill the General Education Requirement. All courses beyond the developmental series count toward the 128 credit hours required for graduation and fulfill the General Education Requirement.

MA 100 Introductory Algebra 3 cr.
Sets, real numbers, basic algebraic operations and polynomial arithmetic, factoring, linear equations and inequalities, rectangular coordinate systems, solution of linear systems, algebraic fractions, exponents and radicals, solution of quadratic equations and applications. (Placement test required)

MA 110 Intermediate Algebra 3 cr.
Algebraic operations, solving equations and inequalities, lines, inequalities and their graphs, introduction to conic sections, introduction to functions, exponential and logarithmic functions, systems of equations, problem solving techniques and applications. Prerequisite: MA 100 or both of the following: one unit of high school algebra and one unit of high school geometry. (Placement test required)
MA 120 Precalculus Mathematics 3 cr.
Functions, exponential and logarithmic functions, trigonometric functions and their inverses, identities, equations and applications and analytic geometry. Prerequisite: MA 110 or equivalent. (Placement test required)

MA 130 Elementary Number Theory 3 cr.
General preparation in mathematics for elementary educators. Set theory, problem solving strategies, pattern recognition, numeration systems, number theory, properties of and operations with real numbers. Prerequisite: MA 110 or equivalent. (Placement test required)

MA 131 Geometry, Probability and Statistics from an Elementary Point of View 3 cr.
General preparation in mathematics for elementary educators. Geometry with emphasis on shapes and measurement, transformational geometry and symmetry, logic, counting methods, permutations and combinations, an introduction to probability and statistics. Prerequisite: MA 110 or equivalent. (Placement test required)

MA 175 Calculus I 4 cr.
Review of functions and graphs, limits and continuous functions, the derivative, differentiation of algebraic and transcendental functions, applications, anti-derivatives, definite integrals and applications. Prerequisite: MA 120 or equivalent. (Placement test required)

MA 176 Calculus II 4 cr.
Continuation of 175. The definite integral, computation of anti-derivatives, techniques of integration, the Fundamental Theorem of Calculus, applications, plane curves and polar coordinates. Prerequisite: MA 175.

MA 191, 192 Selected Topic 1-3 cr.

MA 220 Applied Finite Mathematics 3 cr.
Introduction to mathematical modeling, usage and arithmetic of matrices, linear programming, counting techniques, probability, Markov processes and the mathematics of finance. Prerequisite: MA 110 or equivalent. (Placement test required)

MA 221 Statistics I 3 cr.
Descriptive statistics, probability, normal and binomial distributions, sampling concepts, sampling distribution, estimation, hypothesis testing, confidence intervals and linear correlation. Prerequisite: MA 110 or equivalent. (Placement test required)

MA 277 Calculus III 3 cr.
Continuation of MA 176. Sequences, series, Taylor series, multivariable calculus, analytic geometry in R3, partial derivatives, applications of the derivative, multiple integrals, applications of multiple integrals, vector functions and their derivatives. Prerequisite: MA 176.

MA 280 Differential Equations I 3 cr.
First-order equations and applications, higher-order linear equations, linear systems, series solution of linear equations, Laplace transform solution of differential equations. Introduction to numerical solutions. Prerequisite: MA 277.

MA 300 Statistics II 3 cr.
Continuation of estimation and hypothesis testing, correlation, simple and multiple regression, inferences on variances and proportions, analysis of variance (ANOVA), nonparametric tests, index numbers, time series and introduction to decision theory. Prerequisite: EC/MA/PY 221.

MA 310 Number Theory 3 cr.
Divisibility properties of integers, prime numbers, linear and quadratic congruences, Diophantine equations, special number theory functions and quadratic residue theory. Corequisite: MA 332.

MA 330 Modern Geometry 3 cr.
Axiomatic foundations to Euclidean and non-Euclidean geometries and contemporary approaches to the study of geometry. Prerequisite: MA 120 or equivalent. (Placement test required)

MA 331 Linear Algebra and Matrix Theory 3 cr.
Algebra of matrices, systems of linear equations, Gauss-Jordan reduction, inverses, discriminants, eigen values, linear spaces and subspaces, spanning sets, linear independence, basis, null space, change of basis, orthogonal bases, linear transformations, matrix representation and composition of transformation. Prerequisite: MA 176 or MA 120 with departmental approval, or MA 220 with departmental approval.
MA 332 Introduction to Discrete Mathematics 3 cr.
Logic and set theory, proof techniques, relations and functions, algorithms, elementary properties of integers, counting techniques and probability. Prerequisite: MA 175 or MA 120 with department approval or MA 220 with department approval.

MA 350 Math History 3 cr.
A study of algebra, number theory, irrational numbers, analytical geometry, the Calculus, non-Euclidean geometries and infinite sets from an historical perspective. Prerequisite: MA 120.

MA 363 Numerical Analysis I 3 cr.
Theory and techniques of numerical computation, interpolation by Lagrange and difference methods, numerical differentiation and integration and numerical solution of differential equations. Prerequisites: MA 176.

MA 391, 392 Selected Topics 1-3 cr.

MA 410 Differential Equations II 3 cr.
Infinite series, complex variables, vector analysis, Fourier series, curvilinear coordinates and partial differential equations. Prerequisite: MA 280.

MA 432 Modern Algebra 3 cr.
Groups, rings, fields, normal subgroups, congruence, quotient groups, ideals, quotient rings, equivalence relations, abstract algebraic structures. Prerequisite: MA 332 (or corequisite).

MA 452 Discrete Structures 3 cr.
Graph theory, Boolean algebras, logic, networks, structures, morphisms and finite state machines. Prerequisite: MA 332.

MA 463 Numerical Analysis II 3 cr.
Matrix computations and solutions of linear equations, iterative solutions of systems of equations, computer methods of optimization and simulations. Prerequisites: MA 280.

MA 481 Coordinating Seminar 1 cr.
Special topics in mathematics are explored in an interdisciplinary format. Preparation of a research paper for public presentation is required. No prerequisite. Taken in final semester before graduation.

MA 491, 492 Independent Study 1-3 cr.

MODERN LANGUAGES

Program Goals:
1. To enable the student to experience a different way of structuring human communication and thought patterns.
2. To provide access to another culture and stimulate curiosity about how languages and cultures function.
3. To understand some of the literature written in the language and appreciate the artistic achievements and historical richness of Hispanic language and culture.

SPANISH MINOR

24 Credits
Requirements:
SSP 201, 202 Intermediate Spanish I, II
SP 315, 316 Advanced Oral and Written Expression I, II

2 courses from the following:
SP 363, 364 Contemporary Hispanic Culture and Civilization I, II
SP 385, 386 Hispanic Civilization I, II

1 course from the following:
SP 321, 322 Readings in Modern Hispanic Literature I, II
SP 334 Latin American Literature
SP 367 The Spanish Classic Period
SP 473, 474 Cervantes and the Masterpieces of Spanish Literature

1 course from the following:
SP 365 Spanish for Business
SP 420 Introduction to Professional Translating
SP 430 Practicum: Literary and Technical Translating
SP 440 Commercial Translating

1 course from the above literature offerings.
MULTI-AGE LICENSE IN SPANISH
(Gr. P-12)
45 Credits
Goal:
To prepare effective teachers with strong proficiency skills, adequate to professional preparation, and positive attitudes toward their students and the subject area they will teach.

Requirements:
SP 201, 202  Intermediate Spanish I, II
SP 203, 204  Intermediate Expression I, II
SP 315, 316  Advanced Oral and Written Expression I, II
SP 363, 364  Contemporary Hispanic Culture and Civilization I, II
SP 385, 386  Hispanic Civilization I, II
ED 342  Integrated Teaching Methods P-12
ED 343  Field Experience for ED 342
Choose four from the following:
SP 321, 322  Readings in Modern Hispanic Literature I, II
SP 365  Spanish for Business
SP 367  The Spanish Classic Period
SP 473, 474  Cervantes and the Masterpieces of Spanish Literature I, II

See EDUCATION for Professional Education Requirements.

SPANISH COURSE OFFERINGS
SP 101, 102  Basic Spanish I, II  4, 4 cr.
Essentials of the language for understanding, speaking, reading, writing.

SP 191, 192, 193, 194  Selected Topics  1-3 cr.

SP 195, 295, 395, 495  Cooperative Education  1-6 cr.
On-the-job experience using Spanish as a tool; hours and credits to be arranged with the department.

SP 201, 202  Intermediate Spanish I, II  3, 3 cr.
Oral expressions, short readings in literature, culture, and other areas of interest, grammar review, creative activities. Prerequisite: SP 102 or 2 years of high school or equivalent proficiency.

SP 203, 204  Intermediate Oral Expression I, II  3, 3 cr.
Practical active vocabulary building, oral expression areas of contemporary interests, use of authentic recordings. Prerequisite: SP 201 or 3 years of high school Spanish or demonstrated proficiency.

SP 271, 371  Workshops  1-3 cr.

SP 315, 316  Advanced Oral and Written Expression I, II  3, 3 cr.
Intensive writing practice, finer points of syntax, and creative work. Grammar review as needed. Frequent discussion, vocabulary building, individual work in phonetics.

SP 321, 322  Readings in Modern Hispanic Literature I, II  3, 3 cr.
Representative works by contemporary Latin American writers, opportunity for creative imitation through written assignments.

SP 334  Latin American Literature  3 cr.
Readings of the outstanding Latin American writers whose works have influenced the literary and philosophic thought of both hemispheres.

SP 363, 364  Contemporary Hispanic Culture and Civilization I, II  3, 3 cr.
Analysis of social and political systems in Latin America. Development, foreign department, basic industries, the role of international corporations, relations of dependence and alterations in daily life. One unit analyzes modern Spain, its political structures, lifestyles, etc. Course is taught in Spanish. Prerequisite: SP 202 or equivalent.

SP 365  Spanish for Business  3 cr.
An introduction to Spanish business terminology, documents and procedures. Students analyze commercial documents and use Spanish in oral and written business communication. Prerequisite: SP 202 or the equivalent.

SP 367  The Spanish Classic Period  3 cr.
Selected readings from El Cid to Calderon.

SP 385, 386  Hispanic Civilization I, II  3, 3 cr.
Spanish and Latin American life and culture from its earliest forms to the present. Course is taught in Spanish.

SP 391, 392, 393, 394  Selected Topics  1-3 cr.
SP 420 Introduction to Professional Translating 3 cr.
General principles, procedures, theory, and tools for translating; some basic principles of linguistics. Practice in translating from Spanish to English.

SP 430 Practicum: Literary and Technical Translating 3 cr.
Practice in translating from Spanish to English and from English to Spanish. Approximately one quarter is devoted to literary texts and one quarter to technical or scientific topics, depending on the professional needs of the students enrolled.

SP 440 Commercial Translating 3 cr.
Practice in translating documents, papers, and letters used in international trade. Spanish to English and English to Spanish. Some computing skill is necessary.

SP 473, 474 Cervantes and the Masterpieces of Spanish Literature I, II 3, 3 cr.
Intensive study of the Quijote and the Novelas Ejemplares, as well as representative work of other Spanish literary masters.

SP 491, 492, 493, 494 Independent Study 1-3 cr.
An opportunity for qualified and capable students to work on special topics by independent reading, study, and research in Spanish. Hours and credits arranged by the department.

MUSIC

General Education Requirement in Fine Arts
This requirement is satisfied by completing any of the following music courses: MU 106, MU 160, MU 211, MU 212, MU 213, MU 320.

COURSE OFFERINGS

MU 103, 104 General Musicianship and Theory 3, 3 cr.
Fundamentals of music theory, ear training, sight singing, form and analysis, and written keyboard harmony.

MU 105, 205 Performing Groups 1-3 cr.
Vocal and/or instrumental groups rehearsing weekly and performing at least once a semester.

MU 106 Performing Groups 1.5 cr.
Vocal and/or instrumental groups rehearsing weekly and performing at least once per semester. In addition, the student will write a research paper. Must be taken two times to fulfill fine arts general education requirement.

MU 160 Music Appreciation 3 cr.
A historical overview of the role and function of music in western civilization. Emphasis on listening. Field trips to hear live concerts are part of the course content. Ability to read music is not necessary for this course.

MU 191, 192, 193, 194 Selected Topics 1-3 cr.

MU 195, 196 Independent Studies: Applied Music
Private lessons available in piano, voice, or instruments, for credit or non-credit. Credit amounts arranged and granted on the basis of an evaluated performance at the end of the semester. Other special projects in music may be arranged.

MU 211, 212 Music History I, II 3, 3 cr.
Survey of the development of western music from ancient to modern times, with emphasis on listening skills.

MU 213 Jazz Appreciation 3 cr.
A development and an understanding of jazz as a uniquely American art form through listening to recorded and live performances. Emphasis on aural perception.

MU 320 Music and Art: Historical Survey 3 cr.
A survey of music and visual art forms from the perspective of basic elements such as line, harmony, texture, timbre, and form. Includes the development of artistic styles in music and art through various historical periods. Attendance at live concerts and visits to the art museum are an integral part of the course.

MU 391, 392, 393, 394 Selected Topics 1-3 cr.

MU 395, 396 Independent Study: Applied Music
PASTORAL THEOLOGY AND MINISTRY

Courses are offered both on and off campus and can be taken for credit or non-credit by Notre Dame College students and by those in the pastoral ministry certification program.

Catholic School Teachers can apply these courses to the renewal of state teaching certificates. These courses may be taken by Catholic high school teachers seeking a teaching field in theology. Catechists and catechetical leaders can apply these courses to diocesan catechist certification on the basic or advanced levels. Please call the Center for more information: 216-373-5389.

Each semester one or more of the courses listed below are taught in Spanish in order to better assist students preparing for ministry in the Hispanic community.

The overall goal of the following programs is to provide students with a basic background in systematic theology, sacred scripture, and ministry skills that will prepare them for parish type ministries and other direct service ministries in the Catholic Christian tradition.

BASIC CERTIFICATE IN PASTORAL MINISTRY

This is a program designed for those who serve their parish as part-time or volunteer ministers. It provides a college level background in Catholic theology and pastoral skills.

Note: All of these courses can be applied to the Advanced Certificate in Pastoral Ministry. Each of these courses is a two (2) credit course.

General Admission Requirements:
- A high school diploma/GED
- Application interview
- Letter of recommendation from your pastor or religious superior
- Current involvement in an approved area of ministry

Required Courses:
- PM 104 Hebrew Scriptures
- PM 105 Christian Scriptures
- PM 106 Christian Scriptures
- PM 235 Counseling Skills for Pastoral Ministers
- PM 301 Sacraments in Christian Life
- PM 321 Principles of Morality and Moral Response
- PM 332 The Nature of the Church
- PM 334 Nature, Sin, and Grace
- PM 335 Theology and Spirituality for Ministry

ADVANCED CERTIFICATE IN PASTORAL MINISTRY

This program is for those pursuing a career in Pastoral Ministry. The Advanced Certificate in Pastoral Ministry from Notre Dame College also fulfills most of the academic requirements for Diocesan Pastoral Ministry Certification in the Cleveland diocese.

Note: These courses, if taken for credit, may be applied towards a degree program at Notre Dame College. Each course is a 2 credit course unless otherwise noted.

General Admission Requirements:
- A high school diploma/GED
- Application interview
- Letter of recommendation from your pastor or religious superior
- Current involvement in an approved area of ministry

Required Courses:

Scripture
- PM 104 Hebrew Scriptures
- PM 105 Christian Scriptures
- 1 elective in Scripture

Systematics
- PM 221 Knowing Jesus Then and Now
- PM 301 Sacraments in Christian Life
- PM 311 Church History
- PM 332 The Nature of the Church
- PM 334 Nature, Sin, and Grace

Morality
- PM 204 Introduction to Social Justice Ministry
- PM 321 Principles of Morality and Moral Response
Pastoral/Ministerial Skills

- PM 235 Counseling Skills for Pastoral Ministers
- PM 240 Management Skills for Pastoral Ministers
- PM 295 Cooperative Education for Pastoral Ministry
- PM 335 Theology and Spirituality for Ministry
  (A required course for those not in the diocesan formation program, and an approved elective for those who are in the diocesan program).
- PM 346 Canon Law for Ministry
- PM 365 Applied Moral Theology

Electives:

Scripture
- PM 324 The Gospels
- PM 327 Acts and Letters

Catechetics
- PM 317 Basic Beliefs and Tradition
- PM 318 Basic Beliefs and Faith Formation
- PM 319 Catechetical Methods
- PM 340 Adolescent Catechesis

ASSOCIATE DEGREE WITH A MAJOR IN PASTORAL MINISTRY

Advanced Certification Program courses can be applied to an Associate Degree. See Associate of Arts Degree, pages 22, 23, for other requirements.

BACHELOR OF ARTS DEGREE WITH A MAJOR IN THEOLOGY

Advanced Certification courses may be applied to a BA degree with a Theology Major. See Theology, page 96, for more information.

COURSE OFFERINGS

**PM 104 Introduction to the Hebrew Scriptures** 2 cr.
Overview the historical, literary and theological context out of which the scriptures developed. The basic skills needed to interpret the scriptures as well as major themes developed in their theology are covered.

**PM 105 Introduction to the Christian Scriptures** 2 cr.
Examines the context out of which the Christian scriptures developed, the coming of the Kingdom in the Person of Jesus Christ, and the literary history of the various books.

**PM 191, 192, 193 Selected Topics**

**PM 204 Introduction to Social Justice Ministry** 2 cr.
Gives a basic theological foundation of social justice ministry in scripture and the social teachings of the Church. Discusses the role of the Church in society as well as the prophetic and pastoral roles of the Christian minister in relating social justice issues to gospel values.

**PM 221 Knowing Jesus Then and Now** 2 cr.
Traces the formulation of doctrine about the nature of Jesus. Seeks to understand how the Church, beginning with the faith portraits of Jesus in the Gospels, has answered the Christological question, “Who do you say that I am?”

**PM 235 Counseling Skills for Pastoral Ministers** 2 cr.
Investigates the principles and types of pastoral counseling with special attention to the contemporary skills used in supportive ministry to the bereaved, elderly, sick, youth, and those in need of healing. Techniques of creative and active listening and available counseling resources in the community are stressed.

**PM 240 Management Skills for Pastoral Ministers** 2 cr.
Provides skills to enhance the efficiency and effectiveness of pastoral ministers. Topics such as strategic and financial planning, volunteer empowerment, office organization and time management are addressed.

**PM 291, 292, 293 Selected Topics**

**PM 295 Cooperative Education for Pastoral Ministry** 2 cr.

**PM 301 Sacraments in Christian Life** 2 cr.
Explores the concept of sacramentality. Discusses the historical and theological development and liturgical traditions of each of the seven sacraments. Emphasis is placed on the preparation for and the liturgical celebration of each sacrament. Special attention is given to the celebration of the Eucharist and to the Rite of Christian Initiation.

**PM 311 Church History** 2 cr.
Traces the major movements of the growth of the Church and its influence in the world from New Testament times through the Fathers, the Middle Ages, the Reformation, colonial expansion, and Vatican Council II. Some attention is given to the Church's approach to the modern world.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PM 317</td>
<td>Basic Beliefs and Tradition</td>
<td>1 cr.</td>
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<tr>
<td>PM 318</td>
<td>Basic Beliefs and Faith Formation</td>
<td>2 cr.</td>
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<tr>
<td>PM 319</td>
<td>Catechetical Methods</td>
<td>1 cr.</td>
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<td>PM 321</td>
<td>Principles of Morality and Moral Response</td>
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<td>The Gospels</td>
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<tr>
<td>PM 335</td>
<td>Theology and Spirituality for Ministry</td>
<td>2 cr.</td>
</tr>
<tr>
<td>PM 340</td>
<td>Adolescent Catechesis</td>
<td>1 cr.</td>
</tr>
<tr>
<td>PM 346</td>
<td>Canon Law for Ministry</td>
<td>3 cr.</td>
</tr>
<tr>
<td>PM 348, 391, 392, 393, 394</td>
<td>Selected Topics</td>
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</tbody>
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**PHILOSOPHY**

The study of philosophy involves reflection upon the character and validity of the fundamental principles that guide our thought and action, our search for knowledge and ultimately our desire to live well. Philosophy is at the core of a liberal arts education because it directly fosters a life-long pursuit for truth, beauty and goodness.

Notre Dame College students are required to take two philosophy courses. All students are required to take the ethics course (PH 480) to learn how to analyze critical questions of right and wrong in our time, and to identify and apply various philosophical positions in response to these questions. Although the History of Western Philosophy course (PH 180) is recommended at the beginning of one's college career, a student is free to choose among the various philosophy electives to satisfy the philosophy requirement.

Philosophical thinking can be applied in any life situation because it teaches general problem solving, clear and persuasive communication, and writing that is ordered, coherent and complete. For this reason, one can argue that a philosophy minor is an invaluable complement to any academic discipline. Careers that are especially dependent on philosophy and philosophical thinking include law, politics, the sciences, theology, journalism, communication, management and education.
MINOR IN PHILOSOPHY
18 Credits
Requirements:
PH 180 History of Western Philosophy
PH 480 Current Ethical Problems and Positions
15 additional credits in upper biennium Philosophy courses which include PH 480.

COURSE OFFERINGS

PH 180 History of Western Philosophy  3 cr.
A study of the history of western philosophy which chronicles the major thinkers and their key thoughts. The history of philosophy is understood as an ongoing conversation which continues in our own day. The course sketches the main contours of the way in which the conversation has taken shape since its beginnings with the ancient Greeks.

PH 200 Critical and Creative Thinking  3 cr.
Thinking is both a skill and an art, with its own purposes, principles, strategies and precautions. This course is designed to develop and strengthen one’s thinking by exploring the creative processes involved in problem identification and solution, the role of argument formation and criticism, and finally, communicating one’s thinking. Both current events and timeless philosophical questions will be explored. Critical and Creative Thinking is a strong foundational course for all academic disciplines and majors.

PH 320 Philosophy of Person  3 cr.
A close look at human nature and personal identity. Questions like “Who am I, really?” and “How free am I?” will be explored, along with love and our relationship with the natural world. Study of both classical and contemporary authors. PH 180 recommended.

PH 340 Philosophical Perspectives on Woman  3 cr.
A survey of various notable models of female nature which have been expressed in the history of western thought, from the ancient period to the present. The latter part of the course will be devoted to readings in the feminist critique of these historical models, and will look at contemporary views of female nature. This course is an elective in the Women’s Studies minor. PH 180 recommended.

PH 355 Political Philosophy  3 cr.
A study of the major approaches to the questions surrounding the political nature of human beings. The key thoughts of the major political philosophers, both classical and contemporary, will be analyzed. PH 180 recommended.

PH 360 Philosophy of Art  3 cr.
An investigation into the nature of art. What is art? Is beauty subjective? What role should an artist play in society? These are a few of the timeless questions that will be explored. Students will also develop a language of art that will assist in defining their own aesthetic values.

PH 380 Bioethics  3 cr.
An investigation of ethical issues raised by technological advances in the health care sciences. Issues to be studied include the beginnings and endings of life, genetic research, organ transplants, reproductive technologies, the right to health care, and the allocation of scarce resources. In addition, the relation of humans to the life of the planet and to their more specific environment will be studied. PH 180 recommended.

PH 391, 392, 393, 394 Selected Topics  1-3 cr.

PH 480 Current Ethical Problems and Positions  3 cr.
A critical examination of the major approaches to ethics given to us by the history of philosophy. The contributions of Aristotle, Aquinas, Kant, and Mill are studied first from a theoretical perspective. These theories are then applied to a variety of ethical issues which face us today. The student is introduced to the world of both the theory and practice of ethics. PH 180 recommended. Junior status required.

PH 481, 482 Seminar  1-3 cr.
Research and reports on selected periods or areas of philosophy. Conferences as the instructor directs. Open to qualified students who have had introductory courses in philosophy. Hours and credit arranged by the instructor, with the approval of the division head.

PH 491, 492, 493, 494 Independent Study  1-3 cr.
An opportunity for qualified and capable students to do independent work in the field of philosophy. Topics, hours, and credits arranged by the instructor, with the approval of the division head.
PHYSICS

COURSE OFFERINGS

All laboratory courses must be taken concurrently with the corresponding lecture courses. A student must have the permission of the instructor to deviate from this policy. A student who withdraws from a lecture course may not continue the laboratory course except under unusual circumstances and with the permission of the instructor.

PS 150 Concepts in Physics 3 cr.
This course, intended for Middle Childhood Education students and non-science majors wishing to fulfill the science GER, will explore a wide variety of topics in physics, including the scientific method, linear and circular motion, Newton's laws of force, momentum, energy, electricity, and magnetism. Prerequisite: MA 110. Corequisite: PS 151.

PS 151 Concepts in Physics Laboratory 1 cr.
One three-hour laboratory period weekly.

PS 180 Basic Physics I 4 cr.
A general physics course covering the principles of mechanics and heat with emphasis on applications to biological systems. Includes a weekly problem/recitation session. Prerequisite or corequisite: MA 120.

PS 181 Basic Physics I Laboratory 1 cr.
One three-hour laboratory period weekly.

PS 182 Basic Physics II 4 cr.
A general physics course covering optics, electricity, magnetism, atomic and nuclear physics. Includes a weekly problem/recitation session. Prerequisite: PS 180, 181.

PS 183 Basic Physics II Laboratory 1 cr.
One three-hour laboratory period weekly.

PS 191, 192, 193, 194 Selected Topics 1-3 cr.

PS 200 College Physics I 4 cr.
Study of linear and angular kinematics and dynamics for point masses and systems of masses; conservation of momentum; simple harmonic motion. Includes a weekly problem/recitation session. Prerequisite or corequisite: MA 175.

PS 201 College Physics I Laboratory 1 cr.
One three-hour laboratory period weekly.

PS 202 College Physics II 4 cr.
Electricity, introduction to Maxwell's equations, electromagnetic waves, introduction to optics. Includes a weekly problem/recitation session. Prerequisite: PS 200.

PS 203 College Physics II Laboratory 1 cr.
One three-hour laboratory period weekly.

PS 220 Earth Science 3 cr.
Study of the structure of the earth, rocks and minerals, continents and ocean basins, weather and climate, and stars and planets.

PS 221 Earth Science Laboratory 1 cr.
One three-hour laboratory period weekly.

PS 360, 362 Physical Chemistry I, II 3, 3 cr.
An integrated classical and quantum approach to thermodynamics, statistical mechanics, dynamics, atomic and molecular structure. Prerequisites: PS 200, 202; MA 176.

PS 361, 363 Physical Chemistry Laboratory I, II 1, 1 cr.
One three-hour laboratory period weekly.

PS 391, 392 Special Topics 1-3 cr.

PS 491, 492 Independent Study 1-3 cr.
An opportunity for students who meet the requirements to do independent studies.
PSYCHOLOGY

A student completing a major in psychology will be prepared for graduate level work in clinical and/or experimental psychology, for further training and certification, entry level positions in the mental health field, and/or working in behavioral research laboratories. Psychology coursework is also appropriate for students planning careers in education, business, law, nursing, criminal justice, and intelligence analysis.

PSYCHOLOGY MAJOR

49 Credits

Requirements:

A. Psychology Core:
PY 201  General Psychology
PY 222   Statistics for the Behavioral Sciences
PY 307  Experimental Design
PY 325  Biopsychology  
PY 400   Practicum
PY 402  Observation***

B. Two courses from each of the four areas of concentration:

1. Clinical/Counseling
PY 355  Psychology of Family Systems
PY 370  Psychology of the Abnormal
PY 375  Psychology of Personality
PY 406  Group Dynamics and the Problem
PY 412   Solving Process
PY 412  Counseling Theories and Practice

2. Developmental
PY 204  Educational Psychology*
PY 253  Child Psychology
PY 254  Psychology of the Young Adolescent
PY 301  Psychology of Gender Differences
PY 351  Psychology of Adult Development

3. Biopsychology/Cognitive
PY 340  Learning and Memory
PY 380  Cognitive Psychology
PY 425  Sensation and Perception

4. Social/Organizational **
PY 210  Social Psychology
PY 235  Sports Psychology
PY 240  Management and Organization
PY 260  Industrial/Organizational Psychology
PY 330  Health Psychology
PY 345  Organizational Behavior
PY 385  Tests and Measurements

C. Nine additional credits in upper biennium electives
1. Any upper biennium courses from the four areas of concentration (not used to fulfill requirement B).

2. Upper biennium special topics may include:
   Psychology, Film, and Literature
   Behavior Genetics
   Psychology of Individual Differences
   G  indicates recommended courses for graduate school
   in psychology
   * currently the focus is from the classroom teacher’s
   perspective
   ** an interdisciplinary emphasis (Psychology and
   Business Administration)
   *** only by permission

PSYCHOLOGY MINOR

22 Credits

Requirements:

A. Psychology Core:
PY 201  General Psychology
PY 222   Statistics for the Behavioral Sciences
PY 307  Experimental Design
PY 375  Psychology of Personality

B. Three courses (9 credits) from any three of the four different areas of concentration

COURSE OFFERINGS

PY 201  General Psychology  3 cr.
An introduction to the science of human behavior and the principles, methods, and theories of modern psychology. Major topics include research design, development, learning, sensation, perception, thinking, memory, motivation, personality, psychopathology, therapies, principles of social and industrial organizations, and ethical issues.

PY 204  Educational Psychology  3 cr.
See ED 204 for course description.
PY 210 Social Psychology 3 cr.
A study of how thoughts, feelings, and behaviors of individuals are influenced by group settings. Topics include: aggression, interpersonal attraction, attitude formation and change, conformity, attribution, group process, and obedience to authority. Prerequisite: PY 201.

PY 222 Statistics for the Behavioral Sciences 3 cr.
This course will provide instruction in the application of descriptive and inferential statistics to the analysis and interpretation of data in the social sciences with an emphasis on hypothesis testing.

PY 235 Sports Psychology 3 cr.
This course is an introduction to the psychological study of people and their behavior in sport environments. Emphasis will be on the mental skills associated with high-level performance in sport as well as in other areas of life. The course will address the question, “How can sports participation contribute to a person’s overall psychological health and well-being?” Prerequisite: PY 201.

PY 240 Management and Organization 3 cr.
See BU 240 for course description.

PY 251 Lifespan Development 3 cr.
The course will provide an overview of current research and theories of human development from conception through old age with an emphasis on physical, cognitive and social development. Not part of the core requirements for the psychology major or minor. Prerequisite: PY 201.

PY 253 Child Psychology 3 cr.
Presents current research and theories of human growth and development from conception to adolescence. Emphasis is placed on the interaction of biological, psychological, and sociocultural influences on normal development. The growing child is considered in terms of physical, social, cognitive, emotional, aesthetic and moral development. Prerequisite: PY 201.

PY 254 Adolescent Psychology 3 cr.
Presents current research and theories of human growth and development from puberty through adolescence. Study of the psychological, social, emotional, intellectual, and moral characteristics of this developmental period within a social and cultural context. Focus is on the impact of family settings, threats to health and safety, and risk behaviors in contemporary society that affect healthy psychology of adolescents. Prerequisite: PY 201.

PY 260 Industrial/Organizational Psychology 3 cr.
This course will provide an introduction to the methods used by industrial/organizational psychologists to increase organizational effectiveness. The emphasis is on understanding employees, employee management relationships and behaviors. Topics include job analysis, employee selection and training, performance appraisal, job attitudes, workplace motivation, organizational culture and work environment. Prerequisite: PY 201.

PY 301 Psychology of Gender Differences 3 cr.
Based upon current research and theory, this course examines the unique psychological differences between men and women in the areas of physiological and personality development with emphasis on social, cultural, and political influences. Prerequisite: PY 201.

PY 307 Experimental Design 4 cr.
Delves into the exciting world of research and provides students with experience in research design, data collection, data analysis and the reporting of research findings. Students will conduct empirical research and will write up reports in APA (American Psychological Association) format. All student data will be presented at a mini conference in poster format to be shared with other class members. Prerequisites: PY 201, MA/PY 221, or permission of the department chairperson. In the Weekend College format, this course is numbered PY 308 and PY 309. 2, 2 cr.

PY 325 Biopsychology 3 cr.
This course will introduce the student to the idea that behavior is controlled by neural and physiological processes. Three content areas covered in the course include a) examination of neurons and neurotransmission, b) description of sensory and motor systems and c) summary of the involvement of the central nervous system in various behavioral phenomena including learning, memory, and psychotic disorders. Prerequisite: PY 201.

PY 330 Health Psychology 3 cr.
Explores the contributions of the discipline of psychology to the promotion and maintenance of health related issues. Topics include the biopsychosocial view of health, pain management, stress management, and the relationship between lifestyle and health maintenance. Prerequisite: PY 201.
PY 340 Learning and Memory 3 cr.
Introduction to theory and research in the area of learning processes. Content areas covered include habituation and sensitization, conditioning, contingencies of reinforcement and punishment, concept formation, observational learning, memory and language acquisition. Prerequisite: PY 201

PY 345 Organizational Behavior 3 cr.
See BU 345 for course description.

PY 351 Psychology of Adult Development and Aging 3 cr.
A study of the physiological, social, and psychological issues in development from young adulthood through middle age and aging. Attention given to the significant adult development tasks and crises, including aging and dying. Prerequisite: PY 253 or PY 254.

PY 355 Psychology of Family Systems 3 cr.
An examination of the complex and developing field of family systems therapy. Topics include: Adlerian, Multi-generational, Experimental, Structural and Strategic therapy models. Family therapy from a multicultural perspective is emphasized. Prerequisites: PY 201, 303.

PY 370 Psychology of the Abnormal 3 cr.
Study of the classification of major mental disorders, their development, symptoms, and treatment with emphasis on prevention and cure. Prerequisite: PY 201.

PY 375 Psychology of Personality 3 cr.
Study of the structure and dynamics of personality according to various theories. Prerequisite: PY 201.

PY 380 Cognitive Psychology 3 cr.
Presents research and theories on cognitive processes from an information processing framework. Focusing on processes used to transform, store, manipulate, and retrieve sensory input. Topics include attention, pattern recognition, memory, language and categorization. Prerequisite: PY 201.

PY 385 Tests and Measurements 3 cr.
A survey and evaluation of current psychological tests. Focuses on the areas of personality, career interests, achievement, and intelligence. Test construction, reliability, validity, and ethical issues will be addressed at length for all tests studied. Students will have hands on practice with each test. Prerequisites: PY 201, MA/PY 221.

PY 400 Practicum 3 cr.
A capstone course for psychology majors. It is the supervised application of psychological principles and techniques in appropriate mental health settings. Prerequisites: must have senior standing or completion of most course requirements for the psychology major. Admission granted on an individual basis by the department chairperson. The psychology department chairperson must approve the practicum site before the student makes a commitment for the 150 hours. Must be taken concurrently with PY 401, Practicum Seminar.

PY 402 Senior Observation 3 cr.
Supervised observations of differing psychological settings. Students interview professionals in community agencies or other sites. Prerequisites: Must have senior standing or completion of most course requirements for the psychology major and permission of the psychology department chairperson in order to substitute Senior Observation, PY 402, for the Practicum experience, PY 400. Must be taken concurrently with PY 401, Practicum Seminar.

PY 406 Group Dynamics and the Problem Solving Process 3 cr.
Presents an overview of various types of groups; legal, ethical and professional issues in group work; the stages in group evolution and basic issues in group membership and leadership. Experiential learning is emphasized. Prerequisites: PY 201, 303, or permission of the department chairperson.

PY 412 Counseling Theories and Practice 3 cr.
An examination of basic principles and selected current approaches to counseling; the psychophilosophical bases of the theories and their specific application to human relations in counseling, school and business settings is presented. The course includes practical experience that promotes effective listening skills. Important legal, ethical, and professional issues are examined. Prerequisite: PY 201.

PY 425 Sensation and Perception 3 cr.
The study of structure and function of the sensory systems, how they code environmental stimuli, and how we process these stimuli to perceive the world. Prerequisite: PY 201.

PY 491, 492, 493, 494 Independent Study 1-3 cr.
An opportunity for qualified and capable students to do independent study in psychology. Hours and credits arranged by department. Prerequisite: PY 201 and permission of instructor.
SOCIOLOGY

MINOR IN SOCIOLOGY
18 Credits

Requirements:
SO 201 Introduction to Sociology
SO 222 Problems of Contemporary Society
SO 320 Marriage and Family in a Diverse Society
Plus 9 credits from upper biennium offerings in Sociology.

COURSE OFFERINGS

SO 201 Introduction to Sociology 3 cr.
This introductory course examines the science of social relationships and organizations, presents basic social concepts and examines the culture and complex functioning of humans in groups and institutions. Suggested as a prerequisite for all sociology courses.

SO 210 Social Psychology 3 cr.
See PY 210.

SO 215 Gender Roles 3 cr.
Examination of current perspectives on gender roles in American social institutions. Gender role socialization, development, and cultural variations.

SO 222 Problems of Contemporary Society 3 cr.
Examines major social problems facing contemporary American social institutions and explores alternative solutions.

SO 305 Minority Groups 3 cr.
An examination of diversity in the United States; historical antecedents; dynamics of assimilation, prejudice, and discrimination.

SO 310 Social Institutions 3 cr.
An overview of major American social institutions (economy, family, education, religion, politics) and an examination of their role in the formation and maintenance of society.

SO 320 Marriage and Family in a Diverse Society 3 cr.
The family as a social institution; history, current status, and evolution. Linkages between interpersonal dynamics and social structure. Multi-ethnic and cross cultural perspectives on relationships. Application of social theory to every day life.

SO 391, 392, 393, 394 Selected Topics 1-3 cr.

SO 410 Social Theory 3 cr.
Analysis of major historical and contemporary theories and their impact on the discipline of sociology.

SO 425 Conflict Management & Resolution 3 cr.
Discussion of sources and dynamics of conflict in interpersonal and group settings. Identification of conflict management strategies including mediation, and negotiation. Development of skills for conflict management and resolution.

SO 491, 492, 493, 494 Independent Study 1-3 cr.

THEATER

THEATER MINOR
21 Credits

Requirements:
TR 112 Oral Interpretation
TR 261 The Drama and Theater
TR 262 Modern Drama and Theater

One of the following:
EN 461 Shakespeare’s Comedies
EN 462 Shakespeare’s Histories and Tragedies

Two of the following:
TR 309 Acting and Directing
TR 313 Event/Play Production Apprenticeship
TR 374 Presentation Techniques
TR 395/495 Cooperative Education (3 cr. max.)

One of the following:
CA 201 Interpersonal Communication
CA 305 Film Studies
CA 323 Writing for the Non-Print Media
CA 324 Writing for Publication
CA 403 Public Relations
EN 318 Creative Writing
TR 381 Women Playwrights
COURSE OFFERINGS
* A college-level composition course is a prerequisite to theater literature courses.

TR 112 Oral Interpretation 3 cr.
Also listed as CA 112
Explores basic theory and practice in the art of communicating literature: prose, poetry, and drama. Selection, analysis, and performance are the primary areas of focus.

TR 261 The Drama and Theater 3 cr.
Also listed as EN 261, CA 261
Study of dramatic literature, acting, stage design, production, and theatrical styles and trends from the classical age of Greece to the middle of the nineteenth century. Recommended preparation for TR 262.*

TR 262 Modern Drama and Theater 3 cr.
Also listed as EN 262, CA 262
Study of dramatic literature, acting, stage design, production, and theatrical styles and trends from Ibsen to the present. Recommended preparation: TR 261.*

TR 309 Acting and Directing 3 cr.
Also listed as CA 309
Provides basic laboratory training in techniques of acting and directing through practical exercises with short scenes and plays. Work on voice and movement. Interpretation skills, performance analysis, and the planning and conducting of rehearsals are used to achieve an individual approach to acting and directing.

TR 313 Event/Play Production Apprenticeship 3 cr.
Also listed as CA 313
Offers practical experience in event and theatrical production. Includes class work and participation in the stages of an actual event or production. Hands-on activities are required of all students. All aspects of producing are explored, including research, design, promotion, execution, management and evaluation.

TR 374 Presentation Techniques 3 cr.
Also listed as CA 374
Practice in a variety of public speaking forms serves as focus: advanced work in the extemporaneous mode, as well as an introduction to manuscript, memorized, and impromptu styles. Experiences with special occasion speaking take students beyond the confines of the classroom into settings involving larger spaces, technical considerations, and other challenges.

TR 381 Women Playwrights 3 cr.
Also listed as EN 381
Analysis and discussion of the works of selected women playwrights of the twentieth century.*

TR 461 Shakespeare’s Comedies 3 cr.
Also listed as EN 461
Reading and analysis of Shakespeare’s comedies; study of comedy techniques and poetic development. Junior-senior standing required.*

TR 462 Shakespeare’s Histories and Tragedies 3 cr.
Also listed as EN 462
Reading and analysis of Shakespeare’s histories and tragedies; study of Shakespeare’s development as tragic dramatist and poet. Junior-senior standing required.*

TR 295, 395, 495 Cooperative Education 3 cr.

THEOLOGY
Notre Dame College’s mission and purposes emphasize the value of exploring one’s own religious tradition and deepening one’s spirituality. For at the heart of each person, and also at the heart of the world, is the relationship between the human and the Divine, between nature and Mystery.

Students are encouraged to take as many theology courses as they can. At least one course in Scripture is required to broaden the student’s exposure to the basic text of the Judaean-Christian tradition, as well as to learn how to read any sacred text in its historical and literary context. The one required course, TH 450 Theologies of Justice, introduces all students to the rich body of modern Catholic Social Teaching and to the principles and application of liberation. Today, it is not enough to know one’s faith intellectually. The suffering in the world calls all believers to respond in action for healing and flourishing in the global community.

A theology major affords the student both professional and personal benefits. A graduate with a major in theology is ready for graduate level studies in the field as well as for employment in the field of pastoral ministry. On a personal level, the theology major will deepen the student’s appreciation of and response to all dimensions of divinely created reality. In this respect, the theology major serves as an excellent complement to other majors when pursued as a second major.
Students can pursue minor fields in theology and in Scripture, and can prepare for teaching religion on the elementary or secondary level. The Center for Pastoral Theology and Ministry prepares persons for ministry in the Catholic Church. Ministry and theology courses and field experience provide the academic qualifications for basic and for advanced certification in pastoral ministry and for the teaching of religion by the Diocese of Cleveland, and for an Associate of Arts degree.

Pastoral Ministry courses with theology content fulfill theology requirements.

A student earning a Bachelor of Arts degree with a major in theology will:
1. Understand and appreciate the renewal prompted by Vatican Council II in the areas of scriptural interpretation, doctrine, liturgy and moral theology
2. Be an articulate spokesperson for critical thought in theological matters and for spiritual growth
3. Live out a commitment to respect the earth and all peoples, to care for those in need, and to fulfill his/her mission in this world.

THEOLOGY MAJOR

36 Credits
Requirements:
TH 321 Old Testament Theology
TH 322 New Testament Theology
TH 327 Prayer and Spirituality
TH 410 Christian Moral Living
TH 420 The Jesus of History, The Christ of Faith
PM 301 Sacraments in Christian Life
PM 311 Church History
PM 332 Nature of the Church
TH 495 Cooperative Education

Plus additional credits in Upper Biennium Theology or Pastoral Ministry to total 36 credits. TH 450 is included in the 36 credits.

Students desiring to teach religion in high school should consult with the Director of the Center for Pastoral Theology and Ministry for current diocesan requirements.

THE THEOLOGY MAJOR is well complemented by the following minors. We also encourage any minor that a student wishes to pursue.

• **Philosophy**: A “must” for any student planning to go to graduate school in theology. Theological thinkers are responding to the thought forms of the past and of the present; thus it is essential that a student know those thought forms.

• **Information Systems** is a very marketable minor that will enable a theology major to understand computer systems in the work of church ministry, education, business, volunteer areas or any career today.

• **Women’s Studies** gives a student a feminist perspective in her theology studies.

• **Fine Arts Minor** provides a theology major with theory and skills in creative expression, an important aspect of the religious imagination.

• **Communication Minor** benefits a student with a theology major who plans on writing for publication, working in Christian broadcasting, or pursuing the developing field of Communication Theology.

• **Biology Minor** provides a scientific application for theological insights.

MINOR IN THEOLOGY

18 Credits
Requirements:
TH 150 Introduction to Theology
TH 321 Old Testament Theology
TH 322 New Testament Theology
TH 420 The Jesus of History, The Christ of Faith

Plus additional credits in Upper Biennium Theology to total 18. TH 450 is included in the 18 credits.

Courses taken through the Pastoral Ministry program, if in the content areas above, fulfill the requirements for a minor in theology. PM courses can also be taken as theology minor electives.

If the student wishes to use the minor as a teaching field, the student also is encouraged to take PM 318 and PM 319 or PM 340. These courses fulfill beginning certification requirements for teaching religion in the Diocese of Cleveland.
MINOR IN BIBLICAL STUDIES
18 Credits
Requirements:
TH 150  Introduction to Theology
TH 321  Old Testament Theology
TH 322  New Testament Theology
Plus additional credits in upper biennium Scripture courses to total 18 credits. TH 450 is not included in these 18 credits.

Courses taken through the Pastoral Ministry program, if in the area of Scripture, fulfill the requirements for a minor in Biblical Studies.

MINOR IN YOUTH MINISTRY
26 Credits
This minor is a good complement to a theology major or an education licensure for youth and young adults. The internship or cooperative education experience should be in an office of youth ministry in a church or parish.

Requirements:
PM 340  Adolescent Catechesis (1 cr.)
PM 318  Basic Beliefs and Faith Formation (2 cr.)
TH 382  Synoptic Gospels and Acts (3 cr.)
OR
PM 324  The Gospels (2 cr.)
TH 495  Cooperative Education (2-6 cr.)
PY 201  General Psychology (3 cr.)
PY 254  Psychology of the Young Adult (3 cr.)
ED 204  Educational Psychology (3 cr.)
SO 222  Problems of Contemporary Society (3 cr.)
SO 320  Marriage and Family in a Diverse Society (3 cr.)
SO 425  Conflict Management and Resolution (3 cr.)

COURSE OFFERINGS
TH 150  Introduction to Theology 3 cr.
A broad course for students of all religious backgrounds. Students consider the experience of the sacred and the meaning of faith. The heart of the course is the study of the history of salvation through the texts of the Bible. Core Christian beliefs and the interpretation of the Bible as God’s word written in human language are also analyzed.

TH 171, 271, 371, 471  Workshops 1-3 cr.
TH 191, 192, 193, 194  Selected Topics 1-3 cr.
TH 281, 282  Seminar 1-3 cr.
TH 295, 395, 495  Cooperative Education 1-6 cr.
TH 327  Prayer and Spirituality 3 cr.
A practical course introducing students to spirituality and to ways of praying. Based on Christian tradition and the Bible, the course will also open the riches of prayer and meditation, sacred texts and spiritual giants in world religions. Students will reflect on their own spirituality and practice ways of praying. In short, they will learn how to care for their soul.

TH 321  Old Testament Theology 3 cr.
An historical, literary, and theological study of the Old Testament. Selected writings are studied in relation to the key themes of sacred history: creation, fall, promise, exodus, covenant, land settlement, Davidic kingship, prophecy, wisdom, law, and apocalypse. Students will also apply the wisdom of the biblical message to today’s world. TH 150 recommended.

TH 322  New Testament Theology 3 cr.
New Testament writings in the context of the emerging Church, tracing the literary-historical evolution, societal influences, and themes of the Gospels, Acts, and the Pauline and Johannine writings. Students will also apply gospel wisdom to questions in their own lives. TH 150 recommended.

TH 325  An Arts Approach to the Bible 3 cr.
An exploration of Hebrew and Christian scriptural themes, including creation, suffering and conversion, from two perspectives: literary forms in the Bible and also imaginative expressions in music, visual art, literature and film. This course aims to open up the meaning of biblical stories and to encourage an experience of the Sacred through the arts. No previous background in Scripture or the arts is necessary. Offered in fall of odd-numbered years.

TH 370  Religions of the World 3 cr.
A survey of the major religions of the world in the light of the documents of Vatican II. Included are the teachings, practices and prayer of each religion, together with current developments. TH 150 recommended. Offered every sixth semester.
A reading and literary analysis of select portions of the Pentateuch, treating theories of authorship, historical and literary settings and main themes, with special emphasis on the place of liturgy in the history of the ancient biblical peoples. TH 150 recommended.

TH 373 The Writings: Judaeo Wisdom, Human and Divine 3 cr.
A study of the Wisdom Movement in Israel, as seen in the books of Job, Proverbs, Ecclesiastes, Sirach, Song of Songs, the Wisdom of Solomon and the Wisdom psalms. The focus is on the relevance of these texts to Christian living today. TH 150 recommended.

TH 374 The Prophets: Spokespersons for God 3 cr.
A study of biblical prophecy from its origins to Malachi with special emphasis on its relation to established religion and government. Attention is given to an in-depth study of the literary forms and themes of the major prophets Isaiah, Jeremiah, and Ezekiel and selected minor voices. TH 150 recommended.

TH 381 Pauline Writings: Life in Christ 3 cr.
A study of Pauline Christianity, its background of Jewish and Hellenistic influences, and its place in the early Church. Reading and analysis of selected passages of the Pauline and the deuto-Pauline letters highlight the great Pauline themes and theology as well as contrast the picture of Paul in the letters and in Acts. TH 150 recommended.

TH 382 Synoptic Gospels and Acts: Different Faces of Christ and the Church 3 cr.
An in-depth reading and analysis of selected passages of Matthew, Mark, Luke, and Acts. Special attention is paid to the varying presentations of the Christian message, to literary structure and history, and to the theological concerns of the evangelists in their unique expressions of the traditions about Jesus. TH 150 recommended.

TH 383 Johannine Writings: The Christology that Overtook the Church 3 cr.
A close reading of the Gospel of John and the Johannine letters to explore their sources, characteristics, motifs, theology, pedagogy, and relation to the synoptic gospels. TH 150 recommended.

TH 391, 392, 393, 394 Selected Topics 1-3 cr.

TH 410 Christian Moral Living 2-3 cr.
A theological approach to Christian moral living which explores fundamental concepts such as personhood, freedom, and conscience, from the viewpoint of Scripture, Catholic tradition, and natural law. The Catholic perspective on issues relevant to students is also clarified. This course is available in a completely on-line format. See the Theology chairperson for details. TH 150 recommended. Available on-line.

TH 420 The Jesus of History, The Christ of Faith 3 cr.
A study of the central Christian faith-affirmation that Jesus Christ is truly and fully divine, and truly and fully human. The information provided by the Bible in the gospels and epistles is examined. The theological statements made by the early Councils of the Church are studied. The advances made in the study of the Bible during the twentieth century are employed to assist the student in her personal appropriation of the knowledge about the Jesus of history and the Christ of faith. TH 150 recommended.

TH 450 Theologies of Justice 3 cr.
A course introducing students to the theology of liberation and its application in issues such as racism, sexism, and other forms of oppression. Students will examine expressions of liberation from injustice in its Catholic voice, as well as in the voices of other religious denominations and faiths. TH 150 recommended. Junior status required.

TH 481, 482 Seminar 1-3 cr.

TH 491, 493, 494 Independent Study 1-3 cr.

TH 295, 495 Cooperative Education 1-6 cr.
WOMEN’S STUDIES

Women’s Studies is an academic area arising from a recognition of the need systematically and explicitly to incorporate women’s contributions, women’s experiences, and feminist theory into the liberal arts.

The goals of Women’s Studies at Notre Dame College are to appreciate the history and the achievements of women, to explore issues flowing from social construct of gender, to awaken women and men to reflect on their own sense of self and on interrelationships, and to prepare persons of competence and compassion for a more just and equitable society.

WOMEN’S STUDIES MINOR

15 Credits
Requirements:
WS 301/HI 301 History and Themes of the Women’s Movement

12 credits from the following:
AR 313 Women Artists
EN 381 Women Playwrights
EN 382 Women Writers
PY 301 Psychology of Gender Differences
SO 320 Marriage and the Family
PH 340 Philosophical Perspectives on Woman

Other courses designated as electives for the Women's Studies minor may be offered as selected topics or seminars and will be announced in a timely fashion.

Students interested in a Women's Studies minor are encouraged to choose elective courses which complement their major fields of study and to discuss course selection with their academic advisor and with the director of the Women's Studies Program.

COURSE OFFERINGS

WS 301/HI 301 History and Themes of the Women's Movement 3 cr.
A course aimed at exploring how women have shaped and are shaping their own lives and the world. It begins with a discussion of how gender expectations and roles are constructed by a society, and how these affect all women and men in that society. Studies then consider the roles of women and men in Western culture from Paleolithic times to the present.

The course includes other themes and issues relevant to students and to significant current events. Teaching is marked by collaboration, a key element in feminist methodology. This course is open to all students, not only those pursuing the Women’s Studies minor. It is not a prerequisite for the minor but it is required to complete the minor.
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