Dear Student,

Congratulations on your decision to pursue a world respected Purdue University education at Purdue University Calumet!

We hope to provide you with opportunities, challenges, and positive outcomes. Purdue Calumet offers more than 80 baccalaureate and master’s degree programs on our Hammond campus. Our dedicated faculty and staff are an important resource for you in exploring new opportunities you will encounter as you learn, grown, and prepare yourself for professional success. With our many services, you can find support, help, and the richness of a comfortable campus environment.

Your Purdue Calumet education is designed to integrate theory and practice by providing experiential learning opportunities where you can apply what you learn in the classroom to real-world situations. It is our hope that your Purdue Calumet education will launch your career and be the foundation of your future success.

Please use this on-line catalog as a guide on your path to goal accomplishment and know that we are here to help and guide you. Our mission at Purdue Calumet is to provide you with affordable quality education and a campus experience that contributes to your professional and personal development. Best wishes for much success!

Sincerely,

DR. THOMAS L. KEON
CHANCELLOR
Purdue University Calumet became a residential campus in Fall 2005 with the opening of its first student housing facility, The University Village (Phase I). In the Fall of 2009, Phase II was added to The University Village community providing space for a total of 745 residents and live-in residential staff members. The University Village community provides fully furnished apartment suite-style accommodation.

Each apartment suite features four private bedrooms, two bathrooms, a common living room and fully furnished kitchen/dining room. The facilities are designed to provide convenience and comfort in an environment that supports the academic success of its residents.

The University Village community is overseen by the staff of the Department of Housing and Residential Education and is located at the south end of campus, along 173rd Street, east of the Fitness and Recreation Center. The Department of Housing and Residential Education offers three options for student housing contracts: an annual year (August to August), an academic year (August to May), and summer (May to August). Students interested in living on-campus are encouraged to visit the Department of Housing and Residential Education website at www.purduecal.edu/housing or call (219) 989-4150 for more information.

AMENITIES

- Furnished apartment suites with individual bedrooms
- Fully-equipped kitchens
- Laundry rooms on each floor
- Internet connectivity (Apartment suite common areas and bedrooms)
- Computer labs
- Music Practice Rooms (Phase II)
- Satellite television
- Patio (Phase II)
- Close proximity to the Fitness and Recreation Center
- Quiet study areas, group meeting spaces, and conference rooms
- Gated parking lot

219/989-4150 OR 800/HI-PURDUE, ext. 4150

www.purduecal.edu/housing
DISCLAIMER.

The provisions of this publication are subject to change without notice and do not constitute an irrevocable contract between any student or applicant for admission and Purdue University Calumet. The University is not responsible for any misrepresentation of its requirements or provisions that might arise as a result of errors in the preparation of this publication.

Purdue University Calumet has reserved the right to add, amend, or repeal any of its regulations, rules, resolutions, standing orders, and rules of procedures, in whole or in part, at such times as it may choose. None shall be construed, operate as, or have the effect of any abridgement or limitation of any rights, powers, or privileges of the Board of Trustees.

Every effort has been made to assure the accuracy of the information in this publication. Students are advised, however, that such information is subject to change. Therefore, they should consult the appropriate academic department or administrative offices for current information.

NONDISCRIMINATION POLICY STATEMENT.

Purdue University is committed to maintaining a community which recognizes and values the inherent worth and dignity of every person; fosters tolerance, sensitivity, understanding, and mutual respect among its members; and encourages each individual to strive to reach his or her own potential. In pursuit of its goal of academic excellence, the University seeks to develop and nurture diversity. The University believes that diversity among its many members strengthens the institution, stimulates creativity, promotes the exchange of ideas, and enriches campus life.

Purdue University views, evaluates, and treats all persons in any University related activity or circumstance in which they may be involved, solely as individuals on the basis of their own personal abilities, qualifications, and other relevant characteristics.

Purdue University prohibits discrimination against any member of the University community on the basis of race, religion, color, sex, age, national origin or ancestry, marital status, parental status, sexual orientation, disability, or status as a veteran. The University will conduct its programs, services and activities consistent with applicable federal, state and local laws, regulations and orders and in conformance with the procedures and limitations as set forth in Executive Memorandum No. D-1, which provides specific contractual rights and remedies. Additionally, the University promotes the full realization of equal employment opportunity for women, minorities, persons with disabilities and veterans through its affirmative action program.

Any question of interpretation regarding this Nondiscrimination Policy Statement shall be referred to the Vice President for Ethics and Compliance for final determination.
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About Purdue University Calumet

Purdue University Calumet is a comprehensive, regional university dedicated to serving the professional, cultural and general educational needs of the citizens of Northwest Indiana (and beyond) in the tradition of world-respected Purdue University quality. Its more than 100 academic programs lead to associate, baccalaureate and master's degrees as well as professional certificates.

From its World War II inception as a source of technical instruction for North-west Indiana production workers in response to the war effort, Purdue University Calumet has become a comprehensive institution of higher education, enrolling more than 10,000 students and offering more than 100 associate, bachelor’s, and master’s degree programs. Located on a 167-acre wooded parcel of land in the Woodmar neighborhood of Hammond, Indiana, the Purdue Calumet campus features 17 buildings, including student residential apartments, and some of the finest small university computing facilities in the country.

As one of the regional campuses within the Purdue University system, Purdue University Calumet offers its undergraduate programs through a 1974 grant of academic autonomy within the Purdue system. Thus, Purdue Calumet is able to offer programs specifically designed to address the special needs of the citizens it serves. As part of the Purdue system, Purdue Calumet subscribes to the university-wide commitment “to the development and nurturing of a racially, socially and religiously diverse community which recognizes the inherent worth and dignity of every person, fosters tolerance, sensitivity, understanding, and mutual respect among its members, and encourages each individual to strive to reach his or her own potential.” Purdue University believes that cultural variety stimulates creativity, promotes an exchange of ideas, and enriches life. Purdue University also accepts the responsibility of serving as a positive example and helping to prepare men and women who will make a lasting contribution to society.

(Purdue University Statement of Principles, 1989)

Purdue University Calumet is a community committed to people as its most important resource. It strives to foster a supportive environment in which students, staff and faculty can learn, grow and thrive. Purdue Calumet is committed to helping students succeed and encourages them by:

- placing primary emphasis on teaching and learning;
- offering reasonable in-state tuition rates, with state support covering a substantial portion of the cost of education;
- offering financial aid;
- providing strong student support services;
- scheduling classes to facilitate the teaching/learning process;
- offering flexible courses, scheduling, and sites;
- emphasizing lifelong learning; and
- requiring experiential learning that integrates traditional classroom and textbook learning with authentic work experiences.

Purdue Calumet supports the educational process with a wide range of academic support services, including advising, tutoring, supplemental instruction, recreation and athletics, counseling and clinical health care, and residential life. Purdue Calumet also provides considerable computing resources to support student learning. These include extensive computer labs, web-based learning software, electronic classrooms, high performance computing, visualization and simulation computing, on-line courses, and degree progress tracking software.

Purdue Calumet supports the development of Northwest Indiana through participation in the Purdue Northwest Indiana Technology Center, the Hammond Innovation Center, the Entrepreneurship Center and sponsorship of the NWI Small Business Development Center. The university also supports applied research to benefit our region through the Water Institute, the Center for Energy Efficiency and Reliability, the Joanna Briggs Center for Evidence-Based Practice in Nursing and the Center for Innovation in Visualization and Simulation among others.

Mission Statement

In 1974, the Board of Trustees of Purdue University granted academic autonomy to Purdue University Calumet Campus (now Purdue University Calumet) for its undergraduate programs by approving the Proposal for Academic Autonomy.

A part of this document is the Mission Statement for Purdue University Calumet.

It reads as follows:

The Calumet campus of Purdue University is dedicated to the land grant tradition of which it is a part and is especially concerned with serving the people of Northwest Indiana.

At the present time, its primary mission is threefold:

- to provide its students with a liberal education which will prepare them for life or for the professions; to provide career-oriented curricula which lead to certificates, associate degrees, baccalaureate degrees and master’s degrees;
- to provide programs that meet the professional, cultural and general education needs of this large urban-industrialized community.

The Purdue University Calumet campus owes its existence to the practical and useful contributions it has made to the daily life and needs of the people living in this large industrialized-urban complex.

Organization

A single Board of Trustees governs the entire Purdue University system through the President of the University. The Chancellor of Purdue University Calumet is the senior administrative officer on campus and reports to the president of Purdue University.

Serving the Chancellor are five Vice Chancellors:

- The Vice Chancellor for Academic Affairs is responsible for the academic programs, enrollment-related services, and the Center for Student Achievement.
- The Vice Chancellor for Administrative Services is responsible for the business affairs of the university, including budget and finance, human resources, buildings and grounds and campus police.
- The Vice Chancellor for Advancement is responsible for advancing the university to and through its various publics while overseeing alumni relations, fund raising, university and community relations, and marketing.
- The Vice Chancellor for Student Affairs oversees the many services and functions the university offers to advance student success and nurture student life and community on campus.
- The Vice Chancellor for Information Systems is responsible for connecting the changing, emerging needs of technology with the knowledge generated through library resources.

The Academic Schools

Each degree and certification program offered at Purdue Calumet is housed in one of the Academic Schools noted below:

The School of Engineering, Mathematics, and Science consists of the following departments:

- Department of Biological Sciences
- Department of Chemistry and Physics
- Department of Electrical and Computer Engineering
- Department of Mathematics, Computer Science, and Statistics
- Department of Mechanical Engineering

The School of Liberal Arts and Social Sciences consists of the following departments:

- Department of Behavioral Sciences
- Department of Communication and Creative Arts
- Department of English and Philosophy
- Department of Foreign Languages and Literatures
- Department of History and Political Science
- Department of Hospitality and Tourism Management
The **School of Technology** consists of the following departments:
- Department of Construction Science and Organizational Leadership
- Department of Engineering Technology
- Department of Computer Information Technology and Graphics

The **School of Education** consists of the following departments:
- Department of Teacher Preparation
- Department of Graduate Studies in Education

The **School of Management** consists of the following departments:
- Department of Marketing, Human Resources & Management
- Department of Finance and Economics
- Department of Accounting
- Department of Information Systems

The **School of Nursing**

The **Graduate School**

The Graduate School oversees all aspects of Graduate Education at Purdue University Calumet. This includes admissions and records, new courses and program development. As a unit of the system wide graduate education, Purdue University Calumet Graduate School coordinates all activities with Purdue University Graduate School.

**Accreditations**

Purdue University Calumet is accredited:

- The Higher Learning Commission
  A Commission of the North Central Association of Colleges and Schools
  230 South LaSalle St., Suite 7-500
  Chicago, IL 60604-1411
  Toll Free Phone: 800.621.7440  Phone: 312.263.0456
  http://www.ncalahc.org

- Technology Accreditation Commission of ABET,
  http://www.abet.org

See Departments of Construction Science and Organizational Leadership and Engineering Technology for specific program accreditations.

- Engineering Accreditation Commission of ABET (EAC-ABET)
  111 Market Place, Suite 1050, Baltimore, MD 21202-4012
  Phone: (410) 347-7700  Fax: (410) 625-2238

- National Council for Accreditation of Teacher Education (NCATE)
  1906 Massachusetts Ave., Suite 500, Washington, DC 20036-1023
  www.ncate.org

- Indiana Department of Education
  Office of Educator Licensing and Development
  151 West Ohio Street, Indianapolis, Indiana 46204

- National League for Nursing Accreditation Commission (NLNAC)
  3343 Peachtree Road NE, Suite 500, Atlanta, GA 30326
  Phone: (404) 975-5000
  www.nlnac.org

- Professional Licensure Agency (Attn: Indiana State Board of Nursing)
  402 W Washington Street - Room W072, Indianapolis, IN 46204
  Phone: (317) 234-2043
  www.in.gov/pla/nursing.htm

- American Chemical Society (ACS)
  1155 Sixteenth Street NW, Washington DC 20036

- The Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE)
  American Association for Marriage and Family Therapy
  112 South Alfred Street, Alexandria, VA 22314
  Phone: (703) 838-9808  Fax: (703) 838-9805
  e-mail: coa@aamft.org

- International Assembly for Collegiate Business Education
  P.O. Box 3960, Olath Kansas 66063
  Phone: (913) 631-3009
  www.iacbe.org

- NAECY (National Association of Education of Young Children)
  1313 L St., NW, Suite 500, Washington, D.C. 20005
  Phone(s): (202)232-8777 | (800)424-2460
  webmaster@naeyc.org

**Academic Learning Center (MERRILLVILLE)**

In addition to our Hammond campus, classes are offered in south Lake County at the Academic Learning Center — at the Merrillville-Crown Point border off Broadway Avenue about 2-1/2 miles south of US Highway 30.

**At the Academic Learning Center:**

- Convenient class times are scheduled for the busy, working adult.
- A large selection of freshman/sophomore level classes scheduled throughout the day and evening.
- Fall term classes begin in late August; Spring term classes start in mid-January; and Summer session classes start in mid-June at the Academic Learning Center
- Plenty of convenient parking is available.
- The start of an internationally respected Purdue education is available

For additional information about south Lake County classes, access the Purdue Calumet Web site at www.purduecal.edu and click on Academic Learning Center or call (219) 756-7252.

**Enrollment Services Center**

The Enrollment Services Center located in Lawshe Hall room 130, offers one-stop help in all aspects of the enrollment process. By visiting the Center, you can...

- learn more about admission and Purdue Calumet’s programs
- apply for financial aid and check your financial aid status
- register for classes
- review your account (bill)
- pay your tuition and fees

Also, a student self-service area helps you do much of the enrollment process via the web. Here are some of the current enrollment services through the Purdue Calumet Home Page: www.purduecal.edu Check out MyPuc.

**Through the WEB, you can . . .**

- check current openings in classes
- check dates, times, and faculty teaching classes
- check your personal class schedule
- view your address information
- view e-mail address
- view unofficial transcript which includes:
  - grades and GPA
  - view Blackboard Course Management system login information
  - review your financial aid award
  - review your student account (bill) and pay it online
  - apply for undergraduate admission
  - register for classes

The Enrollment Services Center and the highly trained staff have been recognized by IBM Corporation for Best Practice in Student Services (2000).
Admission to the University

The Office of Undergraduate Admissions offers View Purdue Calumet Open Houses and Information Sessions and provides guided campus tours and pre-admissions counseling appointments. For more information write or call:

Office of Admissions
Lawshe Hall, Room 130
Purdue University Calumet
2200 169th St
Hammond, Indiana 46323–2094
Phone: (219) 989–2713
Toll-free: 1–800–HI–PURDUE,* ext. 2213
*Toll-free in northwest Indiana and Chicago area:
Website: www.purduecal.edu/admissions/

Beginning students need to submit the following to be considered for admissions:
1. Completed Application, ("A non-refundable undergraduate student application fee will be assessed in 2012. Please visit www.purduecal.edu/admissions for an update and details on the fee start date.")
2. Official High School Transcript and/or GED Scores (regionally accredited)
3. Standardized Test Scores (SAT or ACT), including writing component (for recent high school graduates)
   – Applicants whose high school graduation date was at least one year prior to their intended semester of enrollment, appropriate placement test results from the Academic Resource Center will substitute for SAT or ACT scores.

*Please visit the undergraduate admission website for updates at http://webs.purduecal.edu/admissions/students/.

Application deadlines are established for each academic semester see www.purduecal.edu/admissions for dates.

Acceptance

Admission to Purdue University Calumet is based on demonstrated academic quality rank factors, which includes a high school diploma or GED, meeting subject matter requirements, grade average in degree-related subjects, as well as overall grade average, trends in achievement, class rank, SAT or ACT test scores and the strength of the college preparatory program.

Admissions Decisions

Recent Indiana High School Graduates are required to have at least a Core 40 to be accepted into Purdue University Calumet.

The Office of Admissions will evaluate applications and make one of the following determinations:
1. Regular admission. The applicant has met all conditions for admission to the school, department and curriculum specified in the letter of Admission.
2. Admitted on Probation. The applicant has a previous college record showing academic probationary status, but will be permitted to take courses at Purdue Calumet.
3. Denied admission. The applicant will not be admitted to the university until adequate background and preparation for university work can be demonstrated.
4. Incomplete admission. The applicant has not provided all of the information or documentation necessary for the Office of Admissions to determine eligibility.
5. Pending admission. Additional information will be required at a later time, such as final grades from a semester currently in progress.

Indiana Core 40

Core 40 became Indiana’s required high school curriculum in Fall 2007. Starting Fall 2011 a Core 40 high school diploma became required for entrance to any four-year public Indiana college/university. In addition to considering high school courses, Purdue University Calumet will continue to use other factors such as grade point average, class rank, trends in achievement, honor courses, and test scores when reviewing applications for admission.

Indiana High School Dual Credit

Dual credit programs are partnerships between an individual high school or high school corporation and a particular college or university. Please contact the Office of Undergraduate Admissions to see if your school has entered into agreement with Purdue University Calumet.

In Indiana, dual credit courses are those which high school students may take to earn both high school and college credits. Dual credit courses are taught by high school faculty or by adjunct college faculty either at the high school, at the college or university, or through online courses or distance education. Dual credit is one of several options a high school student may use to fulfill Core 40 diploma requirements with Academic Honors or Technical Honors.

Students wishing to fulfill Core 40 with Academic Honors or Technical Honors diploma requirements are encouraged to choose dual credit courses from either the Core Transfer Library (CTL) or from the courses listed by the Independent Colleges of Indiana (ICI). Courses chosen from both the CTL and ICI list of courses may maximize the changes for the transferability of credit for courses and also meet the dual credit requirements necessary for Core 40 with Academic Honors or Technical Honors.

Dual credit programs are partnerships between an individual high school or high school corporation and a particular college or university. Please contact the Office of Undergraduate Admissions to see if your school has entered into agreement with Purdue University Calumet.

National Test Requirements

Students who graduated from high school during or after 2006 are required to take the WRITING COMPONENT of the SAT or ACT in addition to the general exams. For applicants who graduated from high school within one year prior to their intended semester of enrollment, appropriate placement test results from the University’s Academic Resource Center will substitute for SAT or ACT scores.

Direct Admission

Non-Direct Admission. Applicants who DO NOT meet the quality rank requirements for a particular program may be offered admission into a preparatory program (within the Schools of Management, Technology, Liberal Arts and Sciences, Engineering, Math and Science) or the Center for Student Achievement.* The Nursing Program has limited enrollment and the BEST QUALIFIED applicants will be considered. STUDENTS ADMITTED TO THE PROGRAM GENERAL EXCEED MINIMUM REQUIREMENTS. Applicants must apply NO LATER THAN February 1 for admission in August. Applicants approved for admissions by the Nursing Admissions Committee will begin their studies in August.

Degree-Seeking Transfer Students

An applicant transferring from another college (non-Purdue campus) must submit the following items:

- Completed application for admission. (A non-refundable undergraduate student application fee will be assessed in 2012. Please Visit www.purduecal.edu/admissions for an update and details on the fee start date.)
- Completed Transfer Credit Documentation Sheet
- Official high school transcript and/or, GED scores*
- Official college transcripts from each institution attended (if applicable, see Transfer Credit Documentation Sheet)
- $30.00 Transfer Credit Evaluation Fee (if applicable, see Transfer Credit Documentation Sheet)

*Exception: Applicants with at least an associate degree (documented) from a regionally accredited institution.
Transfer Student Admission Criteria
1) The applicant must submit official college transcripts showing at least 15 semesters or semester equivalent hours of college level work completed with a C or better.
2) The applicant must have successfully completed College Composition (ENGL 10400) at a regionally accredited institution of higher education; and
3) The applicant must have a earned a cumulative grade point average of 2.0 or above from the last institution attended.

Particular programs may require specific cumulative grade point averages for admission and/or additional successfully completed transfer courses for Transfer Students Admission.

Transfer credit is established through these procedures:
1. Applicants who have attended another college or university must complete a Transfer Credit Documentation Sheet. Students who wish to transfer non-Purdue course-work from a regionally accredited institution must submit an official transcript and pay a non-refundable $30.00 Transcript Credit Evaluation Fee.
2. Purdue University Calumet accepts credit from regionally accredited institutions for college level classes in which the student has received a grade of C- or better. The university reserves the right to determine the transferability and acceptance of transfer credit.
3. Course equivalencies are determined by respective academic departments (e.g. math course equivalencies are determined by the Department of Mathematics, Computer Science and Statistics)
4. Transfer courses will be evaluated by an Academic Advisor on an individual basis by program of study to determine how credits will apply toward plan of study and graduation requirements.
5. Purdue University Calumet accepts a maximum of 90 credits toward a baccalaureate degree from other regionally accredited colleges and universities.

TRANSFER CREDIT
Transfer Indiana — TransferIN and u.select
Purdue University Calumet supports and encourages prospective transfer students to visit the Indiana Commissions of Higher Education Transfer Indiana website at http://www.transferin.net/ to view the Core Transfer Library (CTL) — a list of courses that will transfer among all Indiana public college and university campuses, assuming adequate grades.

Within Indiana’s TransferIN site, the program u.select allows prospective transfer students to view how credits may be evaluated and utilized by desired transfer institution(s).

TransferIN and u.select are free services for anyone interested in learning about:
- How courses transfer between participating college or universities
- The degree programs colleges and universities offer
- How to plan for transfer

TransferIN and u.select work best for students who:
- Already know where they are going to transfer, or at least have their options narrowed down to a few colleges or universities
- Plan to take one or two classes at another college or university to transfer back to their native institution

TransferIN and u.select can show:
- If credits may have equivalents at another college or university
- How credits may be applied toward a degree at another college or university

TransferIN and u.select can also show:
- If there are courses you can take at another institution over the summer that will transfer back to your native college or university and how they may count toward your degree
- What course(s) you may need to graduate
- What course(s) you may need if you decide to change majors

You will find TransferIN and u.select helpful and efficient in your planning. However, you are encouraged to plan your course of study carefully and early. Seek detailed information from your advisor and the college or university to which you wish to transfer.

The Online Transfer Equivalency System
www.purduecal.edu/admissions/tces.html

Students and faculty now can efficiently evaluate transferring course credits through our Purdue University Calumet website. This system compares Purdue University Calumet course credits with that of other colleges and universities.

Transfer credit is subject to departmental acceptance and distribution and equivalencies can be changed at any time. Please refer to admission policies regarding transferring credit for additional information.

Students Re-Entering Purdue University Calumet
Purdue Calumet students who have not attended for two years or longer but who were in good academic standing when they left must reapply for admission.

Those applicants who have attended another college or university since their last attendance at Purdue Calumet should refer to the Degree Seeking Transfer Student section on page 10 of this catalog.

Degree-Seeking Transfer Students from other Purdue Campuses
Students who have attended or are currently attending another campus in the Purdue system may transfer** to Purdue Calumet by filing a regional-campus-transfer application available at the Registrar’s Office of their original Purdue campus. Inter-campus transfer students may also complete Purdue University Calumet's online or paper application for admissions or an undergraduate application for admissions.

*Purdue University Calumet welcomes Purdue University transfer students in good academic standing. A Purdue University transfer student with a grade-point average less than a 2.0 must be within 30 quality points of achieving a 2.0 for admission and must raise his or her grade-point average to a 2.0 within the first 12 hours or enrollment at Purdue University Calumet.

Non-Degree Seeking Students
Purdue Calumet welcomes students pursuing studies for personal or professional enrichment. Students not pursuing a degree are admitted as non-degree-seeking students and may be admitted in the following circumstances: Note: Most non-degree seeking students are not eligible for consideration for financial aid, although students seeking a Certificate Program may be eligible for financial aid.

1. Adult Learners: Adults 23 years of age or older with special interests and expertise who are enrolling for personal enrichment. Transcripts of credits and SAT/ACT or placement scores are recommended but not required.

2. Students applying for a Pre-Baccalaureate Certificate Program: A high school diploma (or equivalent) is required. Additional criteria, work experience, math skills, etc. will be discussed during your advisement appointment.

3. Students applying for a Post-Baccalaureate Certificates: Transcripts from accredited institutions of higher education are required to verify receipt of a bachelor’s degree.

4. Company Employees: Employees of local businesses and industries who need further education in specific areas may enroll in selected courses with the recommendation of their employers. Transcripts of credits and SAT/ACT or placement scores are recommended and may be required for advising purposes.

5. High School Students (Rule 10 Dual Credit and Concurrent Enrollment): High school students must meet the university’s admission requirements as determined by the student’s rank in class, test scores, and strength of college preparatory program.

High school students who have completed a minimum of four semesters of high school and who are interested in using their college credits to meet high school graduation requirements or get a head start on college, should contact their high school guidance counselor for a High School Application.

6. Transient College Students: Students pursuing degrees at non-Purdue campuses may enroll for one semester.
Non-degree students who later wish to pursue degrees must apply for degree-seeking admission and are subject to admissions and degree requirements in effect for the semester in which they apply.

**Advanced Credit and Advanced Placement**

Advanced credit means that the university grants credit based on other outside academic work and records it on the student’s record.

Advanced placement means that a student is placed in an advanced level course but may not have earned credit toward a degree for any prior courses. The Office of Admissions evaluates requests for advanced credit and advanced placement.

There are six ways for a student to establish advanced credit or advanced placement:

1. **Departmental/School Credit by Exam.** An individual school/department may establish an examination procedure to establish advanced credit. Students should consult with the school/department head or academic advisor for details.

2. **Departmental/School Credit without Exam** may be awarded on the basis of substantially equivalent experience or successful completion of a more advanced course. Students should consult with the school/department head or academic advisor for details.

3. **Departmental/School Credit in Mathematics, Computer Science, and Statistics.** Students may submit an application to the school/department for substantially equivalent experience or successful completion of a more advanced course. Students should consult with the school/department head or academic advisor for details.

4. **College-Level Examination Program (CLEP).** CLEP exams evaluate non-traditional college-level education, such as independent study, correspondence work, or credit earned at a non-regionally accredited institution. Purdue Calumet may accept CLEP credit if the student completes the subject matter examinations and sends the official score report with the qualifying exam and score to the Office of Admissions. (General examinations credit is not accepted.)

**CLEP Scores Required for Equivalent Purdue University Calumet Credit**

<table>
<thead>
<tr>
<th>CLEP Subject Exams</th>
<th>PUC Equivalent</th>
<th>Required Scores</th>
<th>Credit Granted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial Accounting</td>
<td>MGMT 200</td>
<td>45+</td>
<td>3 credit</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>MGMT 101</td>
<td>45+</td>
<td>3 credit</td>
</tr>
<tr>
<td>Biology</td>
<td>BIOL 101 &amp; BIOL 102</td>
<td>48+</td>
<td>8 credit</td>
</tr>
<tr>
<td>Chemistry</td>
<td>*CHM 111</td>
<td>50+</td>
<td>3 credit</td>
</tr>
<tr>
<td></td>
<td>CHM 111 &amp; CHM 112</td>
<td>65+</td>
<td>6 credit</td>
</tr>
<tr>
<td></td>
<td>*CHM 115</td>
<td>55+</td>
<td>4 credit</td>
</tr>
<tr>
<td></td>
<td>CHM 115 &amp; CHM 116</td>
<td>70+</td>
<td>8 credit</td>
</tr>
<tr>
<td>Calculus</td>
<td>MA 163 &amp; MA 164</td>
<td>55+</td>
<td>10 credit</td>
</tr>
<tr>
<td>Pre-Calculus</td>
<td>MA 159</td>
<td>57+</td>
<td>5 credit</td>
</tr>
<tr>
<td>College Composition with Essay</td>
<td>ENGL 104</td>
<td>49+</td>
<td>3 credit</td>
</tr>
<tr>
<td>Human Growth &amp; Development</td>
<td>CDFS UND</td>
<td>45+</td>
<td>3 credit</td>
</tr>
<tr>
<td>Introductory Psychology</td>
<td>PSY 120</td>
<td>45+</td>
<td>3 credit</td>
</tr>
<tr>
<td>Introductory Sociology</td>
<td>SOC 100</td>
<td>45+</td>
<td>3 credit</td>
</tr>
<tr>
<td>History of the United States I</td>
<td>HIST 151</td>
<td>50+</td>
<td>3 credit</td>
</tr>
<tr>
<td>History of the United States II</td>
<td>HIST 152</td>
<td>50+</td>
<td>3 credit</td>
</tr>
<tr>
<td>Western Civilization</td>
<td>HIST 110</td>
<td>50+</td>
<td>3 credit</td>
</tr>
<tr>
<td>Western Civilization II</td>
<td>HIST 104</td>
<td>50+</td>
<td>3 credit</td>
</tr>
</tbody>
</table>

*Sequence determined by applicant’s major

5. **College Board Advanced Placement Program.** Advanced Placement credit is awarded to students who have successfully completed college-level work in high school or through other non-traditional, college-level educational experiences.

Students can establish credit by submitting an official score report with a qualifying score to the Office of Admissions.

**NOTE:** The equivalencies below are based on AP exams taken before July 1, 2010 and predate the legislative mandate in EH 1135—Please check www.purduecal.edu/ap-credits for any updated AP course equivalencies.

**Advanced Placement and Advanced Credit (March 2011)**

<table>
<thead>
<tr>
<th>AP Exam Title</th>
<th>AP Score</th>
<th>PUC Equivalency</th>
<th>PUC Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>3,4,5</td>
<td>A&amp;D 25500</td>
<td>3</td>
</tr>
<tr>
<td>Biology*</td>
<td>3</td>
<td>BIOL 1XXX</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4,5</td>
<td>BIOL 10100, 10200</td>
<td>8</td>
</tr>
<tr>
<td>Calculus AB*</td>
<td>3</td>
<td>MA 1XXX</td>
<td>3</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>4,5</td>
<td>MA 16300</td>
<td>5</td>
</tr>
<tr>
<td>Calculus BC*</td>
<td>3</td>
<td>MA 1XXX</td>
<td>3</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>4,5</td>
<td>MA 16300, 16400</td>
<td>10</td>
</tr>
<tr>
<td>Calculus BC – AB subscore*</td>
<td>3,4,5</td>
<td>MA 1XXX</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3</td>
<td>CHM 11100</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4,5</td>
<td>CHM 11500, 11600</td>
<td>8</td>
</tr>
<tr>
<td>Chinese Language and Culture</td>
<td>3</td>
<td>CHNS 10100</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4,5</td>
<td>CHNS 10100, 10200</td>
<td>6</td>
</tr>
<tr>
<td>Comparative Government and Politics*</td>
<td>3</td>
<td>POL 1XXX</td>
<td>3</td>
</tr>
<tr>
<td>Comparative Government and Politics*</td>
<td>4,5</td>
<td>POL 14100</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science A*</td>
<td>3,4,5</td>
<td>CS 1XXX</td>
<td>3</td>
</tr>
<tr>
<td>English Language and Composition</td>
<td>3,4,5</td>
<td>ENGL 10400</td>
<td>3</td>
</tr>
<tr>
<td>English Literature and Composition*</td>
<td>3,4,5</td>
<td>ENGL 1XXX</td>
<td>3</td>
</tr>
<tr>
<td>Environmental Science*</td>
<td>3,4,5</td>
<td>SCI 1XXX</td>
<td>3</td>
</tr>
<tr>
<td>European History*</td>
<td>3</td>
<td>HIST 1XXX</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4,5</td>
<td>HIST 10400</td>
<td>3</td>
</tr>
<tr>
<td>French Language</td>
<td>3</td>
<td>FR 10100,10200</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>FR 10100,10200, 20100</td>
<td>9</td>
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<td></td>
<td>5</td>
<td>FR 10100,10200, 20100,20200</td>
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<td>German Language</td>
<td>3</td>
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<td>9</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>GER 10100,10200, 20100,20200</td>
<td>12</td>
</tr>
<tr>
<td>Human Geography*</td>
<td>3,4,5</td>
<td>EAS 1XXX</td>
<td>3</td>
</tr>
<tr>
<td>Italian Language and Culture*</td>
<td>3</td>
<td>ITAL 1XXX, 1XXX</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>ITAL 1XXX, 1XXX, 1XXX</td>
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<td>5</td>
<td>ITAL 1XXX, 1XXX, 1XXX, 1XXX</td>
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<td>Japanese Language and Culture</td>
<td>3</td>
<td>JPNS 10100,10200</td>
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<td>9</td>
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<tr>
<td></td>
<td>5</td>
<td>JPNS 10100,10200, 20100,20200</td>
<td>12</td>
</tr>
</tbody>
</table>
International Admission Requirements

The following documentation must be submitted in order to apply for an undergraduate program at Purdue University Calumet:

A. International Undergraduate Student Application

You have two options for applying to Purdue University Calumet:

- Apply online at https://banweb.purduecal.edu/pls/proddad/bwskalog_P_DisplLoginNon
- Apply by mail using the application found at: http://webs.purduecal.edu/intl/files/Undergraduate-International-Student-Application-Form.pdf

Mail your application to:

Purdue University Calumet
Office of International Admissions
Classroom Office Building, Room 176
2200 169th Street
Hammond, Indiana 46323-2094

- Apply by e-mail using the application found at: http://webs.purduecal.edu/intl/files/Undergraduate-International-Student-Application-Form.pdf

Email to iadmissions@purduecal.edu

Note: A non-refundable undergraduate application fee will be assessed in 2012. Please see www.purduecal.edu/admissions for an update on the fee start date.

B. Proof of graduation from a secondary school (high school):

Original or attested copies of academic documents from all secondary schools attended should be mailed in a sealed envelope from the secondary school or the examination board. The record must be an official copy bearing an original stamp or seal. If the original is not in English, include a certified, detailed translation. A minimum of 2.25 grade point average is required for admission for those students applying to PUC directly from high school or without any college or university coursework completed.

C. Proof of post-secondary school attendance:

If any post-secondary schools were attended, transcripts should be mailed in a sealed envelope from the college, university, or examination board. The record must be an official copy bearing an original stamp or seal. If the original is not in English, include a certified, detailed translation.

D. One of the following to establish English proficiency:

- Test of English as a Foreign Language (TOEFL) Score of 550 or higher, for Paper exam Score of 79 or higher, for Internet Based TOEFL (IBT)
- International English Language Testing System (IELTS) Score of at least 6.5 or higher
- Successful completion of the Purdue University Calumet English Language Program
- Ordinary Level of General Certificate of Education (G.C.E.) or General Certificate of Secondary Education (G.C.S.E.)
- Scholastic Aptitude Test (SAT) Reading (verbal) score of 480 or higher
- A minimum of 15 transferable credits from an accredited U.S.-based institution of higher education, including an English Composition course equivalent to Purdue University Calumet’s ENGL 104.
- Transferable credit from an accredited U.S. institution of higher education equivalent to Purdue University Calumet’s ENGL 104, English Composition course.

Purdue University Calumet’s school code is 001638 for all standardized tests including TOEFL, SAT, GRE and GMAT.

Note: If you did not take or have low English test scores for entry into a degree-seeking program, you may still be eligible for admission to the Purdue Calumet English Language Program. Visit this website for more information and application materials: http://webs.purduecal.edu/intl/files/applying/intp-admissions

E. Transfer Credit and Documentation Sheet:

If you have attended any other college or university and plan to transfer credit hours to Purdue University Calumet as an undergraduate student, submit a $30.00 (US) transfer credit evaluation fee, and original academic transcripts from an accredited college or university along with the form found at this webpage: http://webs.purduecal.edu/intl/files/Transfer-Credit-and-Documentation-Sheet-.pdf

F. Application Deadlines and Mailing Address:

Please note that Purdue University Calumet must receive all required application materials, on or before the dates indicated below.

- April 1 – Summer Semester
- June 1 – Fall Semester
- November 15 – Spring Semester

Please mail your application materials to:

Purdue University Calumet
Office of International Admissions
Classroom Office Building, Room 176
2200 169th Street
Hammond, Indiana 46323-2094

For information on admission requirements for International Graduate Students and the English Language Program, please visit: http://webs.purduecal.edu/intl/files/Graduate-International-Student-Application-Form.pdf

International Educational Agents

Purdue University Calumet is part of the internationally respected Purdue University System. Purdue is a public university system, which encourages international students to apply for admission on their own and NOT PAY FOR EDUCATIONAL AGENTS.

<table>
<thead>
<tr>
<th>AP Exam Title</th>
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<th>PUC Equivalency</th>
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<td>U.S. History</td>
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<td>3,4,5</td>
<td>CSR 10000</td>
<td>3</td>
</tr>
</tbody>
</table>

*Undistributed credit counting toward total degree requirements and/or other requirements depends on degree program. Consult your academic advisor.

**Can satisfy free elective requirements in degree program.

6. Department Credit in Foreign Languages (101, 102, 201, and 202). Students who take the Foreign Language Placement Test are placed in an appropriate course. Upon successful completion of the course, students may apply to the Department of Foreign Languages and Literatures for credit in lower level course(s) as appropriate.
Fees for 2011-2012

Tuition and fees, set annually by the Purdue University Board of Trustees, are subject to change without notice. The fees listed below are for the 2011-2012 academic year.

Tuition 2011-2012

- Resident Undergraduate fee per credit hour $204.00
- Nonresident Undergraduate fee per credit hour $488.90
- Resident Graduate fee per credit hour $258.90
- Nonresident Graduate fee per credit hour $570.25
- Laboratory fee per lab hour $60.60
- Registration for examination only $197.41
- Registration for degree only $197.41
- Technology fee per credit hour $8.25

Regular Fees

- Application Fee for Undergraduate Programs.......................... $ 25.00
- Application Fee for Graduate School ................................. $ 55.00
- Undergraduate Student Service Fee ................................. $5.55 per credit hour
- Undergraduate Parking Fee ........................................ $5.15 per credit hour
- Graduate Parking Fee .................................................. $5.15 per credit hour

Late Registration Fees:
For students who register after classes begin, an additional nonrefundable fee of $8.50 per credit hour will be assessed.

Transcript Evaluation Fee: ............................................... $ 30.00
Fee is charged for evaluation of transfer credit. The fee is non-refundable and will not be credited to tuition and fees associated with course enrollment.

Readmission Fee: .......................................................... $100.00
Those students dropped by the university for academic reasons are assessed a fee before application for readmission will be processed.

Breakage Fees:
Usually included in course fees for the cost of normal breakage and wear and tear on equipment. An additional charge will be levied against individuals for excessive waste, loss or breakage, to be paid before course credit will be given.

Replacement of Student Service Fee Card: .............................. $ 15.00

Encumbrance Fee: ................................................................ $ 25.00
If a student fails to fulfill any financial obligation to any university department, the student’s records will be encumbered and the fee assessed to the student. Students will be notified in writing of the outstanding obligation and will be given a specified time to settle the account prior to assessing the fee.

An encumbered record means:
- The student may not be allowed to register for courses at any Purdue University Campus and
- The student’s official transcript will not be released until the financial obligation is satisfied

Payment Responsibility/Payment Options

It is the student’s responsibility to finalize payment options before the designated payment deadline date in order to prevent the cancellation of classes for the term enrolled. Students will save time and avoid long lines by selecting a payment option before the designated payment deadline date.

Purdue University Calumet offers several convenient payment options to assist students to finance their educations.

- Web NBS/FACTS Payment Plan (see section entitled Purdue University Calumet’s NBS/FACTS Payment Plan for detailed information)
- Access PCSTAR (Purdue Calumet Student Access to Records) to easily and conveniently pay your bill for any semester that you are registered at Purdue University Calumet.
- Accepted payment options online:
  - MasterCard, Visa, Discover, or Webcheck
  - Access PCSTAR via the Web at: www.purduecal.edu
- Mail: Check to:
  - Office of Financial Aid and Student Accounts
  - 2200 169th Street
  - Hammond, IN 46323-2094
- Telephone: Credit Card (MasterCard, Visa, or Discover)
- Night Deposit Box (located at the north side of Lawshe Hall off of Woodmar Avenue or at the Schneider Avenue building):
  - Check
- In Person: Credit Card (MasterCard, Visa or Discover), Debit Card, Cash, or Check. Students may select payment options in person at the Office of Financial Aid and Student Accounts located in the Enrollment Services Center, Lawshe Hall, Room 130.

For questions or concerns regarding payment responsibility and/or help with payment options, please contact the Office of Financial Aid and Student Accounts at 219-989-2560 or view their Web site at www.purduecal.edu/finaid

Purdue University Calumet’s NBS/FACTS Payment Plan

Purdue University Calumet is pleased to offer the NBS/FACTS tuition payment plan to enable you to more easily afford your educational expenses. NBS/FACTS is a tuition management plan that provides you with a low cost plan for budgeting tuition and other educational expenses. It is not a loan program; therefore, interest and finance charges are not assessed, nor is a credit check required.

The NBS/FACTS payment plan is a convenient and inexpensive way for you to make your payments. Your tuition payment can be made by Automatic Bank Payment (ACH) from your checking or savings account or by credit card (Visa, MasterCard or American Express). Debit Cards are not accepted.

The NBS/FACTS tuition payment plan schedule is designed to give you flexibility in meeting your financial responsibility to Purdue University Calumet. All monthly payments are withdrawn on the 5th of each month. If you select either the Automatic Bank Payment (ACH) or the credit card option, there is a $25 non-refundable enrollment fee per semester. All NBS/FACTS fees are processed directly from the account listed on the NBS/FACTS Agreement Form by either Automatic Bank Payment (ACH) or charged to your credit card, depending upon the payment option you select.

It is your responsibility to verify the NBS/FACTS plan balance by accessing MYFACTS (www.Factstuition.com) and to notify Purdue University Calumet’s Office of Financial Aid and Student Accounts at 219-989-2560 should you wish to make any changes to your agreement after it is set up by NBS/FACTS. All changes must be made 10 business days prior to the scheduled payment date.

The Office of Financial Aid and Student Accounts may adjust your NBS/FACTS payment plan balance for any financial aid disbursed, as well as added or dropped classes.

If you have any questions please call either NBS/FACTS Tuition Management Company at 1-800-609-8056, or the Purdue University Calumet Office of Financial Aid and Student Accounts at 219-989-2560.
Refunds
Course fees, technology fees, and student services fees will be refunded for withdrawal from full term classes according to the following schedule:

100% Prior to the semester starting
80% During the first week of classes
60% During the second week of classes
40% During the third week of classes
20% During the fourth week of classes
0% After the fourth week of classes

Our policy during the summer semester is as follows:
100% Prior to session starting
80% During the first week of classes
40% During the second week of classes
0% After the second week of classes

Students must complete the withdrawal procedure by submitting a signed add/drop card to the Office of the Registrar (Enrollment Services Center — Lawshe Hall 130), to be eligible for a refund. A detailed schedule of the refund policy may be obtained from the Office of Financial Aid and Student Accounts. NOTE: By not attending classes, students have not officially withdrawn from classes at Purdue University Calumet. Students must follow the withdrawal procedure outlined above to be officially withdrawn from a course. Failure to do so could result in the student being charged and receiving a failing grade in the class. No refund will be given for courses dropped after the fourth week of the semester. Students whose registration is cancelled by the Dean of Students for disciplinary reasons will receive refunds based on this same schedule. Refunds of deposits on equipment are subject to regular service and breakage charges.

Return of Financial Aid (Title IV) Funds
For students who are the recipients of financial aid (Title IV) funds and withdraw from all of their classes prior to October 28, 2011 for the fall 2011 semester, or March 22, 2012 for the spring 2012 semester, or withdraw prior to the completion of over 60% of any term, the institution is required to determine the amount of unearned financial aid funds that must be returned to the Title IV program(s). Depending on the amount of financial aid disbursed to students or onto students accounts, students may be liable for a portion of the amount of unearned financial aid that must be returned to the Title IV program(s). To fully withdraw from the university, students can initiate the withdrawal process by telephone by contacting the Office of the Registrar at (219) 989-2181 or by visiting the Enrollment Services Center located in Lawshe Hall, Room 130.

Classification of Students as Resident or Non-Resident
The assessment of tuition and fees for a given semester is based on the student’s residence classification on the first day of classes for that semester. Students who are not classified as residents of the State of Indiana are required to pay non-resident tuition. A student’s residence classification continues in effect for subsequent semesters unless and until the classification is changed.

Responsibility for Residence Classification
The Director of Admissions or a designee determines the initial residence classification of an undergraduate student at the point that the student is admitted or re-enters the university. The Executive Dean or a designee determines the initial residence classification of each graduate student at the time the student enters or re-enters the university.

All reclassifications are determined by the Registrar or a designee. Any of these authorities are authorized to require certificates, affidavits, documents, or any other evidence they deem necessary. The burden of proof is always on the student making a claim to resident student status. In addition to the required proof, to be considered domiciled in Indiana, a person must reside continuously in the state for a predominant purpose other than attending an institution of higher education for at least

12 months immediately preceding the first day of classes of the term for which resident classification is sought. Students who have further questions about residency reclassification may request a brochure from the offices of any of these authorities.

Changes in Residence Classification for Tuition Purposes
Either the student or the university may initiate an inquiry of residency classification. The non-resident student has the responsibility to apply to the registrar for reclassification if the student believes that changes in the situation justify reclassification.

To apply for a change
The student must apply in writing, using a form available from the Office of the Registrar, at any time after the requirements for domicile have been met, but no later than 15 days after the start of classes for the semester in which reclassification is sought. The Registrar will make a decision no later than 30 days after the completed application is filed.

Penalties for Failure to Provide Adequate Information
A student who fails to notify the university of a change of facts or provides false information which might affect classification or reclassification from resident to non-resident status will be required to pay retroactively any tuition fees which would normally have been assessed.

The student who provides false information or conceals information to achieve resident status may also be subject to disciplinary action as well as other penalties under the law.

Residence Classification Review
A student who is not satisfied with a determination concerning his/her residence classification may appeal the decision to the Residence Appeals Committee, which convenes on the Calumet campus. The appeal shall be in writing and shall include reasons for the appeal and a complete statement of the facts upon which the appeal is based, together with supporting affidavits, or other documentary evidence. The appeal must be filed within thirty days after the first day of classes of the academic session for which the determination is effective or within thirty days after the original decision has been reconsidered, whichever occurs later. Failure to file such an appeal within the specified time limit shall constitute a waiver of all claims to reconsideration for that academic session.
Financial Aid

To help students meet the cost of their education, Purdue University Calumet’s Office of Financial Aid and Student Accounts offers students financial assistance to meet educational costs beyond those which they and their families are able to afford.

Should I Apply for Financial Aid?

It is recommended that ALL Purdue University Calumet students apply for financial aid. (Never assume you don’t qualify for financial aid.) To find out if you are eligible for financial aid — federal, state, institutional, or private - YOU MUST APPLY! At Purdue University Calumet about 56% of all students enrolled receive some form of financial assistance.

Who is Eligible?

Prospective first-time freshman applying for admission are required to meet the following:

- Be a U.S. citizen or eligible non-citizen
- Have a valid Social Security Number
- Have a high school diploma or a General Education Development (GED) certificate
- Be a regular degree-seeking student
- Make satisfactory academic progress

Other requirements may apply. For more information, please contact the Office of Financial Aid and Student Accounts.

PROCESS

Prospective Students
1. Complete an undergraduate admissions application at www.purduecal.edu/apply

Newly Admitted Students
1. Logon to PC STAR at www.purduecal.edu
   PC STAR is a secure Web site where students can access their university records — see your admissions acceptance letter for your user name and password.

Can I Estimate My Financial Aid?

You certainly can!

An on-line Financial Aid Estimator is available to help students and families plan for educational costs at Purdue University Calumet. http://webs.purduecal.edu/ofasa/financial-aid-estimator/

How Do I Apply?

A single application called the FAFSA (Free Application for Federal Student Aid) is used to apply for all federal, state and institutional financial aid at Purdue University Calumet, including federal student and parent loans.

Students are encouraged to access www.fafsa.gov to file online. Filing online allows your application information to be processed faster (days vs. weeks). Edit checks built into software help prevent errors that could lead to processing delays.

Filing online is a two-step process:

STEP 1: Obtain a PIN (Personal Information Number) at www.pin.ed.gov
Note: If parent information is required on the FAFSA, the parent should also obtain a PIN. (The PIN serves as an electronic signature and allows viewing of FAFSA data online.)

STEP 2: Complete a FAFSA online at www.fafsa.gov
Note: A “pre-filled” FAFSA application is available on-line for students who submitted a FAFSA the prior year enabling them to “pre-fill” their FAFSA application with data from the prior year’s FAFSA.
Although it is recommended you file online, a paper FAFSA can be requested by calling the Federal Student Aid Information Center at 1-800-4-FED-AID (1-800-433-3243) or 1-319-337-5665.

Note: Expect a longer processing time when submitting a paper FAFSA. If you are hearing impaired, please contact the TTY line at 1-800-730-8913.

In lieu of filing the FAFSA online or mailing in a paper FAFSA, students and parents can call the Federal Student Aid Information Center (FSAIC) and file by phone (1-800-4-FED-AID; 1-800-433-3243). FAFSA on the Phone (FOTP) provides applicants with real-time assistance from a customer service representative in completing the FAFSA. This new service is designed for applicants who do not have access to FAFSA on the Web and who are facing fast-approaching state application deadlines.

Remember:
- Applying for financial aid is FREE!
- You must reapply for financial aid every year!

When Do I Apply?

Apply as soon AFTER January 1 as possible for the upcoming academic year (i.e. January 1, 2011 for 2011-2012). Do not submit your FAFSA before January 1 for the upcoming academic year. While it is easier to complete the FAFSA once you have filed your federal tax return, you can provide estimated tax information on your FAFSA and update your FAFSA data once you have completed your federal tax return. Submit your FAFSA so it is RECEIVED BY the Federal Processor by March 10th for the upcoming academic year (i.e. March 10, 2011 for 2011-2012; March 10, 2012 for 2012-2013). Applications RECEIVED BY March 10 by the Federal Processor will receive priority consideration for all funds — federal, state and institutional. Applications RECEIVED AFTER March 10 will be considered only for Federal Pell Grant, Federal Stafford Loan and Federal PLUS (parent/graduate) Loan funds.

Am I Eligible?

When you complete the FAFSA, the information you report is used in a formula established by the federal government that calculates your Expected Family Contribution (EFC), an amount you and your family are expected to contribute toward your education. The formula considers many factors including income, taxes paid, assets, family size and number of family members in college when determining the family’s ability to contribute. If you feel you or your family have unusual circumstances or expenses that may affect your EFC, contact the Office of Financial Aid and Student Accounts at Purdue University Calumet.

Eligibility for financial aid is based upon a determination of your financial need, which is the difference between the total cost of your education and your Expected Family Contribution (EFC). To receive financial aid, you must:

- Have a high school diploma or a General Education Development (GED) certificate
- Be enrolled or accepted for enrollment as a regular degree-seeking student
- Be a U.S. citizen or eligible non-citizen

<table>
<thead>
<tr>
<th>TOTAL COST OF EDUCATION</th>
<th>MINUS (-)</th>
<th>EXPECTED FAMILY CONTRIBUTION (EFC)</th>
<th>EQUALS (=)</th>
<th>FINANCIAL NEED</th>
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</tr>
</tbody>
</table>
What are the Types of Financial Aid?

The U.S. Department of Education offers the following student federal financial aid programs: Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (FSEOG), Work-Study (FWS), Stafford Loan, PLUS Loan, and Perkins Loan.

The State of Indiana offers the following major student financial aid programs: Frank O’Bannon Grant, Twenty-first Century Scholars Program, National Guard Supplemental (NGS) Grant, Minority Teacher and Special Education Services Scholarship, State Nursing Scholarship, Children of Veteran and Public Safety Officer (CVO) benefits, and part-time grants. These programs represent four basic types of aid: grants, scholarships, loans, and employment.

- Grants are need-based aid which do not have to be re-paid.
- Scholarships are merit or need-based aid that do not have to be re-paid.
- Loans are borrowed money that you must repay with interest.
- Employment (work-study) provides the opportunity for students to work and earn money.

Graduate students may receive loans and/or FWS, as well as scholarships, but are not eligible for any grants. (See chart of financial aid programs available to students attending Purdue University Calumet on pages 21–23.) Purdue University Calumet offers numerous Merit and Need-Based Scholarships in addition to the federal and state funds awarded through the University. A scholarship search using the Internet is available at the following address: www.purduecal.edu/finaid/scholarshipinfo-links.html.

How Much Does it Cost to Attend?

Determining a Financial Aid Budget

The exact educational cost of attending Purdue University Calumet differs from student to student depending upon many factors, such as the number of classes taken each semester, transportation costs, and whether or not you live at home with your parents, or on campus.

The undergraduate financial aid budget chart shown below provides a sample of the estimated costs for both in-state and out-of-state students attending full and part-time during the academic year.

Undergraduate Financial Aid Budget Chart and What Might a Financial Aid Package Look Like?

Undergraduate Financial Aid Budget — 2011-2012 Academic Year

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<th>INDIANA RESIDENT</th>
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<tr>
<td></td>
<td>Full-time</td>
<td>Part-time</td>
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<tr>
<td></td>
<td>(14 cr. hrs. per sem.)</td>
<td>(7 cr. hrs. per sem.)</td>
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<tr>
<td>DEPENDENT</td>
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<td></td>
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<td>Tuition/Fees</td>
<td>6,821</td>
<td>3,411</td>
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<td>Books/Supplies</td>
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<td>750</td>
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<tr>
<td>Maintenance*</td>
<td>12,396</td>
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<td>TOTAL</td>
<td>20,717</td>
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INDEPENDENT

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<td></td>
<td>Full-time</td>
<td>Part-time</td>
</tr>
<tr>
<td></td>
<td>(14 cr. hrs. per sem.)</td>
<td>(7 cr. hrs. per sem.)</td>
</tr>
<tr>
<td>Tuition/Fees</td>
<td>6,821</td>
<td>3,411</td>
</tr>
<tr>
<td>Books/Supplies</td>
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<td>Maintenance*</td>
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<td>TOTAL</td>
<td>21,516</td>
<td>15,750</td>
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The undergraduate financial aid budget chart shown above estimates the costs for both in-state and out-of-state students attending full and part-time.

*Maintenance is an estimate of transportation, personal and living expenses, and average estimated loan fees. Personal tastes and living standard will affect the actual costs.

What might a Financial Aid Package look like to a First Year Student?

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<th>FAFSA Completed After March 10</th>
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<td>Tuition/Fees</td>
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<td>$16,984</td>
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<td>Books/Supplies</td>
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<td>-</td>
</tr>
<tr>
<td>Maintenance*</td>
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<td>$15,984</td>
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<tr>
<td></td>
<td></td>
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<td>Cost of Education</td>
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<td>Expected Family Contribution (EFC)</td>
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<td>-1,000</td>
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<tr>
<td>Financial Need</td>
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SAMPLE AWARD PACKAGE

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<td>Stafford Loan (Subsidized)</td>
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<td>Stafford Loan (Unsubsidized)*</td>
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<td>2,000</td>
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</tr>
<tr>
<td>Unmet Need</td>
<td>0</td>
<td>5,884</td>
</tr>
</tbody>
</table>

*Award not based solely on financial need but overall budget (cost of attendance)

Important Dates

January

- Complete the FAFSA online at www.fafsa.gov
- This Web site may be accessed also to obtain a PIN.

February

- Financial Aid Awareness Month! Attend special programs offered to assist you in completing your FAFSA such as “College Goal Sunday,” a statewide initiative held in over thirty Indiana locations. Special programs are offered at the Purdue University Calumet main campus in Hammond and at our Academic Learning Center in Merrillville.

March

- Students whose FAFSA has been received by the Federal Processor by March 10 will receive priority consideration for State and institutional assistance for the upcoming academic year.
- Complete your financial aid file with the Office of Financial Aid and Student Accounts.

April/May

- The first round of Award Notification notices are e-mailed to the student’s PUC e-mail account and the e-mail address listed on the student’s 2011-2012 FAFSA, if provided.
- Accept your award online via PCASTAR within 14 days of receipt of your award notification e-mail. Awarding occurs on a weekly basis as files become complete.
Important Notes

- If you are a financial aid recipient and intend to fully withdraw from the university, you must initiate the withdrawal process by calling the Office of the Registrar at (219) 989-2210 or by visiting the Enrollment Services Center located in Lawshe Hall, Room 130.
- Remember, it is your responsibility to verify your account status with the Office of Financial Aid and Student Accounts and fulfill your payment obligation prior to the Priority Final Payment Date or your classes may be cancelled.
- If your Authorized Aid is greater than your bill, your classes will be held, and you will need to contact the Office of the Registrar should you choose not to attend. Note: Changes in enrollment may result in a revised Financial Aid award. You must notify the Office of Financial Aid and Student Accounts should you change your enrollment, stop attending, or drop below a half-time status.
- Access PC STAR (Purdue Calumet Student Access to Records) at www.purduecal.edu to view your financial aid and account information.

Purdue University Calumet Scholarship Awards

The Purdue University Calumet Scholarship Awards program offers numerous scholarships ranging from $100 to $17,000 per academic year. Awards are based on academic merit and/or financial need. All students meeting scholarship criteria are automatically considered for Purdue University Calumet scholarships based on academic merit. A FASFA must be submitted in order to be considered for need-based scholarships. Separate scholarship applications are required for certain scholarships.

Who Can I Call for Help?

Purdue University Calumet
Enrollment Services Center
Office of Financial Aid and Student Accounts
Lawshe Hall, Room 130
2200 169th Street
Hammond, IN 46323-2094
Phone: (219) 989-2301
Fax: (219) 989-2141
E-mail address: finaid@purduecal.edu
Web: www.purduecal.edu/finaid/

Federal Student Aid Information Center
1-800-4-FED-AID (1-800-433-3243). This is a toll-free number. Call this number for FAFSA assistance/status

TDD number at the Federal Student Aid Information Center
1-800-730-8913. Call this number for help with any federal student aid questions.

Satisfactory Academic Progress Policy

(REVISED EFFECTIVE SUMMER 2011)

Both Federal statutes and U.S. Department of Education regulations require institutions of higher education to establish minimum standards of Satisfactory Academic Progress for students receiving federal aid. In addition all State Student Assistance Commission of Indiana (SSACI) program regulations (Frank O’Bannon Grant, Twenty-First Century Scholars, etc.) require students to meet the Satisfactory Academic Progress criteria established for federal student aid.

Satisfactory Academic Progress means a student is proceeding in a positive manner toward fulfilling degree or certification requirements. Satisfactory Academic Progress consists of two components of measurement, quantitative and qualitative, which measure:

1. Pace — Minimum Overall Completion Rate (67%)
   a. Overall Earned Credit Hours >= .67 x Overall Attempted Credit Hours

2. Timeframe — Maximum Total Attempted Credit Hours (150%)
   a. Undergraduate: 192 overall attempted credit hour maximum (128 credit hours x 150%)
   b. Graduate: 90 overall attempted credit hour maximum

3. GPA — Minimum Cumulative GPA (range 1.5 to 2.0)
   a. Based on Classification

A student’s Satisfactory Academic Progress status is reviewed at the end of each semester, including the summer term.

Quantitative Measurement

1. Pace — Minimum Overall Completion Rate Percentage (67%)
   Number of overall earned credit hours must equal at least 67% of overall attempted credit hours

Student financial aid recipients must demonstrate measurable progress toward earning a degree by successfully completing 67% of all hours at Purdue Calumet, including all hours accepted in transfer and all hours included in an approved financial aid consortium agreement. The chart below shows whether a course with a specific course grade or course registration is included when determining attempted or earned credit hours or in the GPA calculation.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Course Registration Status</th>
<th>Counted In Attempted Credit Hours</th>
<th>Counted In Earned Credit Hours</th>
<th>Counted In GPA Calculation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+, A, A-, B+, B-, C+, C-, D+, D, D-</td>
<td>RE</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>F, I, S, P, U, N, E, IN, IU, IX</td>
<td></td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>IF</td>
<td></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>S, P</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Incomplete – once grade assigned</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>CD, CA, CX, CL (dept credit)</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Transfer Credits</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>W, CN, CD, DD, D1, D4, D6, D8</td>
<td></td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>W</td>
<td></td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>WA, WR, DD, D2</td>
<td></td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Non-Credit Courses</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Repeat Courses (grade removed from prior course)</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Courses part of a financial aid consortium</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

67% Completion Rate Example

<table>
<thead>
<tr>
<th>Aid Year</th>
<th>Overall Attempted Credit Hours</th>
<th>Min Required Credit Hours needed to meet 67% Pace Requirement</th>
<th>Overall Completed Credit Hours</th>
<th>Meeting Completion Rate Requirement?</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-11</td>
<td>117</td>
<td>78.39 (117 x .67)</td>
<td>84</td>
<td>Yes</td>
</tr>
</tbody>
</table>

2. Timeframe - Maximum Total Attempted Hours Percentage (150%)
Maximum of 192 attempted credit hours allowed for a 128 credit hour program.
Student financial aid is available for up to 150% of the number of hours required to complete the degree program. For most undergraduate programs of study this provides up to 192 attempted semester hours for student financial aid recipients to complete a 128 semester hour program. Students in undergraduate programs of study requiring more than 128 hours may have their eligibility for student financial aid extended proportionately upon appeal. All hours attempted and hours accepted in transfer by Purdue Calumet (including those for which the student did not receive financial aid), as well as all credit hours included as part of an approved financial aid consortium agreement, count toward the 150% maximum total attempted hours. **Note:** During the last semester of eligibility a student may only receive financial aid for the total number of credit hours remaining in their maximum timeframe.

Students who have attempted the number of credit hours need to complete a degree may no longer be eligible for student financial aid. In addition, it can be shown that the student will not be able to complete an undergraduate degree within the 150% maximum timeframe (generally 192 semester hours) student aid may be revoked.

**Note:** Graduate students may receive financial aid for a maximum of 80 attempted credit hours.

<table>
<thead>
<tr>
<th>Degree Program</th>
<th>Maximum Credit Hours (Timeframe)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate's (71 hour program)</td>
<td>107</td>
</tr>
<tr>
<td>Bachelor's (128 hour program)</td>
<td>192</td>
</tr>
<tr>
<td>Master's</td>
<td>80</td>
</tr>
</tbody>
</table>

**Qualitative Measurement**

3. **GPA**

Minimum overall cumulative GPA requirement based on Classification

Students must maintain the following cumulative grade point average (GPA) dependent on their classification to maintain financial aid eligibility.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Credits</th>
<th>Cumulative GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate 1</td>
<td>0-14</td>
<td>1.5</td>
</tr>
<tr>
<td>Undergraduate 2</td>
<td>15-29</td>
<td>1.6</td>
</tr>
<tr>
<td>Undergraduate 3</td>
<td>30-44</td>
<td>1.7</td>
</tr>
<tr>
<td>Undergraduate 4</td>
<td>45-59</td>
<td>1.8</td>
</tr>
<tr>
<td>Undergraduate 5</td>
<td>60-74</td>
<td>1.9</td>
</tr>
<tr>
<td>Undergraduate 6</td>
<td>85-89</td>
<td>2.0</td>
</tr>
<tr>
<td>Undergraduate 7</td>
<td>90-104</td>
<td>2.0</td>
</tr>
<tr>
<td>Undergraduate 8</td>
<td>105+</td>
<td>2.0</td>
</tr>
<tr>
<td>Graduate/Professional</td>
<td>1+</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**GPA Minimum Requirement Example**

<table>
<thead>
<tr>
<th>Aid Year</th>
<th>Classification</th>
<th>Overall Cumulative GPA</th>
<th>Minimum Required Overall GPA (undergraduate)</th>
<th>Meeting Minimum Required Overall GPA Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-11</td>
<td>2</td>
<td>2.10</td>
<td>1.6</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Changing Majors** — Students who change majors or degree programs during the academic year are strongly encouraged not to withdraw from any classes as doing so could impact their ability to meet the 67% PACE completion rate requirement and also put them at risk of exceeding the 150% maximum timeframe. Students who decide to change majors or degree programs should do so early in their academic career so as not to jeopardize their eligibility for student financial aid. Students who change majors or degree programs may be eligible for a one-time extension to the 150% timeframe. Appeal required.

**Repeat Courses** — All Courses that are retaken to improve a grade are counted in attempted hours but only one passing grade is counted towards the PACE completion rate.

**Incomplete Courses** — Student should notify Financial Aid and Student Accounts when a final grade is received.

**Undergraduate Transfer Students** — Undergraduate transfer students are subject to the 67% PACE completion rate and the 150% Maximum Total Attempted Hours Percentage requirements. All hours attempted while enrolled at Purdue Calumet and all transfer hours accepted by Purdue Calumet are included in Satisfactory Academic Progress determination. In addition, all courses counted as part of an approved Financial Aid Consortium Agreement will be included in the 67% and 150% calculations. Students with transfer credit hours may be eligible for a one-time extension to the 150% timeframe. Appeal required.

**Mandatory Non-Degree Credit Hour Courses or Zero Credit Hour Courses** — Students required to enroll in a non-degree or zero credit hour course may be eligible for an extension to the 150% timeframe. Appeal required.

**Independent Study** — If grades for an independent study course are not entered prior to the end of the semester the student must contact the Office of Financial Aid and Student Accounts when their grades are entered for re-evaluation.

**Excessive Elective Courses** — Students taking an excessive number of elective courses may have their financial aid revoked as these courses do not contribute to making satisfactory academic progress toward earning a degree.

**Study Abroad and Consortium Courses** — Hours enrolled in Study Abroad or Consortium courses are included in determining a student’s Satisfactory Academic Progress status. Students may be required to provide the Office of Financial Aid and Student Accounts with a copy of their grade report or academic transcript as these courses are included in the 67% and 150% calculations.

**Additional Bachelor’s Degree** - Students pursuing a second Bachelor’s Degree may be eligible for a maximum of 90 additional semester hours of aid eligibility. The 67% completion standard still applies. Appeal required.

**Students Seeking Dual Bachelor’s Degrees** — Students enrolled in two Bachelor’s degree programs at the same time must still meet the 150% standard for completing their degrees and are not eligible for additional hours of aid eligibility. The 150% is calculated from the degree requiring the most hours. Appeal required.

**Otherwise Eligible Non-Degree Students** — Otherwise eligible non-degree students must meet undergraduate Satisfactory Academic Progress requirements.

**Academic Re-Admission** — University approval of Academic Re-Admission does not supersede Satisfactory Academic Progress requirements.

**EVALUATION OF SATISFACTORY ACADEMIC PROGRESS**

**Financial Aid Warning Status** — Students failing to meet Satisfactory Academic Progress standards will be placed on Financial Aid Warning for the following semester during which time they remain eligible to receive student financial aid. Students who fail to achieve the Quantitative and/or Qualitative component(s) of the Satisfactory Academic Progress Policy during their Warning period lose their eligibility for financial aid. A student shall be removed from the Financial Aid Warning status at the end of the semester if he/she achieves the required Satisfactory Academic Progress Qualitative and Quantitative standards.

**Notification** — The Office of Financial Aid and Student Accounts will notify students of their Satisfactory Academic Progress status at the completion of each semester, including the summer term, via the student’s Purdue Calumet e-mail address and/or their personal e-mail address, if available. Students may also monitor their Satisfactory Academic Progress via PCSTAR (Purdue Calumet Student Access to Records).

**Satisfactory Academic Progress Appeal Process** — Student financial aid recipients failing to maintain the Quantitative and/or Qualitative component(s) of the Satisfactory Academic Progress Policy due to an extenuating circumstance beyond their control such as serious injury or illness involving the student, or death of an immediate family member, may submit an appeal, to the Office of Financial Aid and Student Accounts explaining their circumstances. Students must submit supporting documentation with the appeal which confirms this circumstance. Note: Appeals may only be submitted once the Satisfactory Academic Progress process is run and statuses updated at the completion of the semester/term.

A student whose appeal is approved is placed on a Financial Aid PROBATION status for the following semester/term AND is required to work with his/her academic advisor to develop an ACADEMIC PLAN that moves the student toward meeting the Satisfactory Academic Progress Qualitative and Quantitative standards.
Students on a Financial Aid PROBATION status are required to meet the following conditions to be eligible to receive financial aid for the subsequent semester:

- Semester GPA must be equal to the cumulative GPA standard
- Semester PACE completion rate requirement of 67%
- Other conditions as outlined in the student’s ACADEMIC PLAN

Students who meet the objectives outlined in their academic plan and the GPA and PACE completion rate requirements during their Financial Aid PROBATION period remain eligible to receive financial aid. Students remain on the academic plan until they once again meet all Satisfactory Academic Progress standards. Note: A student’s academic plan must be reviewed by the student and the academic advisor each semester and revised as needed.

Students who fail to meet the objectives outlined in their academic plan or the GPA or PACE completion rate requirements during their Financial Aid PROBATION period become ineligible to receive student financial aid and can only regain their eligibility by once again fully meeting all Satisfactory Academic Progress Quantitative and Qualitative standards.

Students who meet the objectives outlined in their academic plan and the GPA and PACE completion rate requirements during their Financial Aid PROBATION period remain eligible to receive student financial aid and can only regain their eligibility by once again fully meeting all Satisfactory Academic Progress Quantitative and Qualitative standards.

A student is only eligible to submit one Satisfactory Academic Progress appeal as an undergraduate student and one as a graduate student. The appeal form can be found at http://www.calumet.purdue.edu/finaid/SAPAPPEAL.pdf

Transition to new policy. A student who (1) had an appeal approved under the previous Satisfactory Academic Progress policy; (2) was enrolled during the 2010-2011 academic year; (3) earned a semester GPA equal to the cumulative GPA standard as outlined in the new Satisfactory Academic Progress policy during their last semester of enrollment at PUC; (4) has a semester PACE completion rate of 67% or greater during their last semester of enrollment at PUC; and (5) is within the maximum timeframe, will automatically be placed on a Financial Aid PROBATION status beginning with the Fall 2011 semester and be required to work with his/her academic advisor to develop an ACADEMIC PLAN that moves the student toward meeting the Satisfactory Academic Progress Qualitative and Quantitative standards. Students will receive an email notification as to their revised status. Students not enrolled during the 2010-2011 academic year should contact our office with respect to their status.

RE-ESTABLISHING ELIGIBILITY WITHOUT AN APPROVAL APPEAL

Other than when an appeal is approved for unusual or mitigating circumstances and a student is placed on an academic plan, a student may re-establish eligibility by taking action that brings the student into compliance with the qualitative and quantitative components of the school’s Satisfactory Academic Progress standard, including the maximum time frame. A student's Satisfactory Academic Progress status is reviewed at the completion of each semester, including summer.

REGAINING YOUR STUDENT FINANCIAL AID ELIGIBILITY

A student may be awarded Federal Pell Grants, Federal Perkins Loans, Federal Supplemental Educational Opportunity Grants, and State financial aid (Frank O'Bannon Grant, Twenty-First Century Scholarship, etc.) for the payment period in which the student resumes Satisfactory Academic Progress or as the result of an approved appeal. For Federal Direct Loans the student regains eligibility for the entire period of enrollment in which the student again meets Satisfactory Academic Progress standards. Other rules and regulations governing federal and student financial aid programs still apply.

This policy pertains to applicants for federal, state of Indiana, and Purdue University Calumet-controlled aid programs, including most student loan programs. If you have questions about the monitoring of Satisfactory Academic Progress not addressed in this policy please contact the Office of Financial Aid at 219/989-2307.

Note: Students retaking coursework will have their Title IV financial aid eligibility reviewed by the Office of Financial Aid and Student Accounts.
Financial Aid Programs Offered at Purdue University Calumet

Please contact the Office of Financial Aid and Student Accounts for additional information.

Visit: Enrollment Services Center, Lawshe Hall, room 130  |  Access: www.purduecal.edu/finaid  |  Call: 219/989-2301

It is recommended that ALL students file the FAFSA (Free Application for Federal Student Aid). Students who file by March 10 and have a completed file at the time our first Award Notifications are emailed/mail to students receive priority consideration for state and institutional assistance for the upcoming academic year.

<table>
<thead>
<tr>
<th>Program</th>
<th>Description</th>
<th>Application</th>
<th>Annual/Aggregate Amts</th>
<th>Eligibility</th>
<th>Repayment Required</th>
</tr>
</thead>
</table>
| Federal Pell Grant                           | Grant program (portable)                                                   | FAFSA required annually | Annual minimum and maximum vary  
$976 minimum for 2010-2011  
$5,550 maximum for 2010-2011  
Award adjusted based on actual enrollment each term  
Receive for a maximum of 18 semesters | Undergraduate students without 1st baccalaureate or professional degrees  
Based on need | No                             |
| Federal Supplemental Educational Opportunity Grant (SEOG) | Campus-based grant program, funds awarded by institution                  | FAFSA required annually | $100 annual minimum  
Undergraduate students without baccalaureate or professional degree  
First priority given to Federal Pell Grant recipients with “exceptional financial need” (defined by law) | No                             |
| Federal Work-Study (FWS)                    | Campus-based employment program, awarded by institution                     | FAFSA required annually | No minimum or maximum  
Award amount dictated by school policy  
Undergraduate and graduate students  
Based on need | No                             |
| Federal Perkins Loan                         | Campus-based loan program, funds awarded by institution, 5% interest       | FAFSA required annually | Award amount dictated by school policy  
Undergraduate and graduate students  
First priority given to students with exceptional need (defined by school)  
Must first have determination for eligibility/ineligibility for Federal Pell Grant | Yes; begins 9 mos. after cessation for at least half-time enrollment; deferment and cancellation provisions available |
| Federal Direct Student Loan – Subsidized and Unsubsidized Stafford Loans | Direct Loan funds from federal government; 4.5% fixed interest rate for undergrad, subsidized loans; 6.8% fixed interest rate for graduate and unsubsidized loans  
MPN obtained from Direct Loan servicer | FAFSA required annually | $3,500 1st year undergraduates  
$4,500 2nd year undergraduates  
$5,500 each remaining undergraduate year  
Undergraduate annual limits prorated for programs and remaining periods of enrollment less than an academic year  
$5,500/year for teacher certification if already have baccalaureate  
$8,500/year for graduate and professional students | Undergraduate and graduate students enrolled at least half-time  
Must first have determination of eligibility/ineligibility for Federal Pell Grant  
Must determine eligibility for subsidized Stafford Loan before determining eligibility for unsubsidized Stafford Loan  
Interest subsidy based on need  
Unsubsidized funds may be used to replace EFC | Yes; begins 6 mos. after cessation for at least half-time enrollment; deferment possible; no interest subsidy on unsubsidized loan |
<table>
<thead>
<tr>
<th>Program</th>
<th>Description</th>
<th>Application</th>
<th>Annual/Aggregate Amts</th>
<th>Eligibility</th>
<th>Repayment Required</th>
</tr>
</thead>
</table>
| Federal Direct Student Loan — Additional Unsubsidized Stafford Loan | ■ Same as subsidized Stafford Loan                                           | ■ FAFSA required annually; MPN obtained from Direct Loan servicer | ANNUAL LOAN LIMITS: Dependent undergraduates whose parents can borrow a PLUS:  
- $2,000/year  
- $6,000/year 1st and 2nd undergraduate year  
- $7,000 each remaining undergraduate year  
- Undergraduate annual limits prorated for programs or remaining periods of enrollment less than an academic year  
Dependent students whose parents cannot borrow a PLUS:  
- $6,000/year 1st and 2nd undergraduate year  
- $7,000 each remaining undergraduate year  
- Undergraduate annual limits prorated for programs or remaining periods of enrollment less than an academic year  
- $7,000/year for teacher certification  
Independent students:  
- $6,000/year 1st and 2nd undergraduate year  
- $7,000 each remaining undergraduate year  
- Undergraduate annual limits prorated for programs or remaining periods of enrollment less than an academic year  
- $7,000/year graduate or professional students  
- $7,000/year for teacher certification  
| ■ Must have demonstration of eligibility/inelegibility for Federal Pell Grant  
■ Must determine eligibility for subsidized Stafford Loan before determining eligibility for additional unsubsidized Stafford Loan  
■ May be used to replace EFC  
Yes; same as subsidized Stafford Loan |
| Federal Direct PLUS | ■ Direct Loan funds from federal government; 7.9% fixed interest rate for Direct PLUS loan | ■ Purdue Calumet requires the student to submit a FAFSA; PLUS MPN from Direct Loan Servicer |  
No annual or aggregate amounts, except parent or graduate or professional student may not borrow more than difference between cost of attendance and other financial assistance student expects to receive |  
Natural or adoptive parents (and stepparents if included on FAFSA) of eligible dependent undergraduates enrolled at least half time and graduate/professional students  
No adverse credit history  
Must not be in default on a federal loan  
Must be a U.S. citizen or eligible noncitizen  
May be used to replace EFC  
Yes; begins 60 days after fully disbursed |
| State Aid Programs administered by the State Student Assistance Commission of Indiana (SSACI) | Source: [http://www.eric.ed.gov/ERICDB/1999/ED335195.html](http://www.eric.ed.gov/ERICDB/1999/ED335195.html) |  
| Frank O’Bannon Grant (formerly the Indiana Higher Education Grant) | ■ State aid administered by the State Student Assistance Commission of Indiana (SSACI); targeted to tuition and regularly assessed fees based on financial need | ■ FAFSA received by the federal processor after Jan 1, 2009 but on or before March 10, 2009 for 2009-2010. (must be an error-free FAFSA by the May 15th receipt date deadline of the filing year) | ■ Dollar value of state grants vary from year to year due to variations in appropriations, the number of filers and the “need” of the filer base.  
■ Award adjusted based on student’s enrollment at the end of the Purdue Calumet refund period (4th week of classes). Applied only after all other tuition-specific aid is applied. | ■ Indiana resident  
U.S. citizen or eligible noncitizen  
High school graduate or hold a GED  
Attend an eligible college or university  
Pursuing associate or first bachelors degree  
Full-time student (minimum 12 credit hours per semester)  
File FAFSA so received by March 10 of the academic year preceding the academic year the applicant plans to enroll | No |
| Twenty-First Century Scholars Program | ■ Guarantees eligible students up to 4 years of undergraduate college tuition at any participating university in Indiana | ■ FAFSA received by the federal processor after Jan 1, 2009 but on or before March 10, 2009 for 2009-2010. (must be an error-free FAFSA by the May 15th receipt date deadline of the filing year) | Undergraduate tuition and regularly assessed fees at an approved public institution (up to a maximum of 15 credit hours per term). Does not cover the cost of books, room and board, parking fees, lab fees or any other fees assessed that are not assessed to ALL students. Award adjusted based on student’s enrollment at the end of the Purdue Calumet refund period (4th week of classes). Applied only after all other tuition-specific aid is applied. | ■ Be a resident of Indiana (determined by residency of parent/legal guardian)  
U.S. Citizen  
Apply in the 6th, 7th, or 8th grade  
Meet program income guidelines  
Attend a school recognized by the Department of Education full-time  
Make a commitment to fulfill the Scholars Program  
File FAFSA so received by March 10 of the academic year preceding the academic year the applicant plans to enroll | No |
| Part-time State Grant Program | ■ Designed to help those undergraduates who are taking at least 3 but less than 12 credit hours per term at an eligible institution. | ■ FAFSA received by the federal processor after Jan 1, 2009 but on or before March 10, 2009 for 2009-2010 | Need-based award  
Minimum award is $50 per term  
Program eligibility determined at the institutional level subject to approval by SSACI  
First priority for the award is given to students meeting certain income guidelines  
Calculated and awarded on a term by term basis  
Institutional are allocated a fixed amount of money to award each year  
Applied only after all other tuition-specific aid is applied. | ■ Meet state residency requirements  
■ Filled a FAFSA  
■ Otherwise qualify for state aid | No |
<table>
<thead>
<tr>
<th>Program</th>
<th>Description</th>
<th>Application</th>
<th>Annual/Aggregate Amts</th>
<th>Eligibility</th>
<th>Repayment Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child of Veteran and Public Safety Officer Supplemental Grants Program</td>
<td>Provides tuition and fee assistance at public colleges for eligible children of disabled Indiana veterans, eligible children and spouses of certain members of the Indiana National Guard killed while serving on state active duty, and eligible children and spouses of certain Indiana public safety officers killed in the line of duty.</td>
<td>CDV application required</td>
<td>As a supplement to other state financial aid, the grant pays 100% of tuition and program related mandatory fees; it does not cover other fees such as room and board. Pay Undergraduate rate for Graduate students. Some program restrictions apply and financial assistance is limited to a maximum number of credit hours.</td>
<td>Veteran must meet certain Indiana residency requirements</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>File the FAFSA each year at least 2 weeks before the start of classes.</td>
<td>Grant amounts based on 30 hours of enrollment per academic year, or 15 hours per semester. Students enrolled in at least 12 but less than 15 credit hours per semester will have their grants reduced if the actual tuition falls below the approved tuition used to estimate the grant.</td>
<td>Applicant must be certified by both SSACI and the Indiana National Guard (ING)</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Attend a state funded university</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Can be used only in the fall and spring semesters</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>State residency requirements apply</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>High School graduate or have a GED</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Student must be seeking first associate or bachelor degree (cannot be used for graduate school)</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Students can receive a total of 8 semesters of state aid in any combination</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Must certify each term of enrollment meets National Guard eligibility</td>
<td>No</td>
</tr>
<tr>
<td>Indiana National Guard Supplemental Grant</td>
<td>Guarantees up to 100% of certain tuition costs will be met by the State of Indiana for eligible members of the Indiana Air and Army National Guard; covers only certain tuition charges and does not cover other expenses such as room and board and textbooks. Subject to available funds.</td>
<td>FAFSA must be filed every year so that it is received by March 10th of each year the student intends to enroll in college (must be an error-free FAFSA by the May 15th receipt date deadline of the filing year).</td>
<td></td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Nursing Scholarship</td>
<td>Created to encourage and promote qualified individuals to pursue a nursing career in Indiana.</td>
<td>FAFSA required</td>
<td></td>
<td></td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Nursing Scholarship</td>
<td>Created to encourage and promote qualified individuals to pursue a nursing career in Indiana.</td>
<td>FAFSA required</td>
<td></td>
<td></td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Minority Teacher/Special Education Services Scholarship (MTS)</td>
<td>Created to address the critical shortage of Black and Hispanic teachers in Indiana.</td>
<td>FAFSA required</td>
<td>Awards made by the colleges</td>
<td>Minority student (Black or Hispanic) seeking a teaching certification; or student seeking a Special Education teaching certification; or student seeking an Occupational or Physical Therapy certification</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Financial need may be considered but not a requirement</td>
<td>Indiana resident and an US Citizen</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Award maximum: $1,000</td>
<td>Admitted to eligible institution as a fulltime student</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Up to $4,000 if minority student applicant demonstrates financial need</td>
<td>Pursuing a course of study that would enable the student upon graduation to teach in an accredited elementary or secondary school in Indiana</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not be in default on a student loan</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Meet all minimum criteria</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Maintain a 2.0 GPA</td>
<td>No</td>
</tr>
</tbody>
</table>
### Institutional Scholarships

**Program** | **Description** | **Application** | **Annual/Aggregate Amts** | **Eligibility** | **Repayment Required**
--- | --- | --- | --- | --- | ---
**Merit Scholarships** | Scholarships awarded based on student's academic strength and/or other criteria | No separate application required for a majority of the scholarships. A separate application is required for a few scholarships: [www.calumet.purdue.edu/finaid/scholarshipsnolinks.html](http://www.calumet.purdue.edu/finaid/scholarshipsnolinks.html) | Award amount determined by Purdue University Calumet depending on fund availability | All students admitted to Purdue University Calumet are automatically considered. | No

**Need-based Scholarships** | Scholarships awarded based on academic strength AND financial need | FASFA required | Award amount determined by Purdue University Calumet depending on fund availability | Eligibility criteria established by scholarship donor(s). | No

**Chancellor's Scholars** | Recognizes students who graduate as Valedictorian (#1) or Salutatorian (#2) of their high school class | Separate application required: [http://webs.purduecal.edu/admissions/scholarships/](http://webs.purduecal.edu/admissions/scholarships/) | 100% of tuition and fees, 50% of the rental allowance toward the purchase of course books and supplies | High School graduate from a secondary institution that offers competitive class rankings. | No

**Academic Achievement Scholarship (formerly the Best and Brightest Scholarship)** | Awarded to recent high school graduates for a maximum of four (4) consecutive years | None | $2,000 per year (Indiana residents) - $8,000 over four years | Minimum cumulative GPA of 3.0/4.0 | No

**Purdue Calumet Transfer Scholarship (formerly the Best and Brightest Scholarship)** | Awarded to any transfer student with 60 transferable hours to Purdue Calumet for a maximum of two (2) consecutive years | Yes – [http://www.purduecal.edu/finaid/PUC_TRANS.pdf](http://www.purduecal.edu/finaid/PUC_TRANS.pdf) | $2,000 per year (Indiana residents) - $4,000 over two years | Minimum cumulative GPA of 3.0/4.0 | No

**Graduate Distinction Scholarship (formerly the Best and Brightest Scholarship)** | Awarded to post-graduate students for a maximum of three (3) consecutive years | Yes – [http://www.purduecal.edu/finaid/GRAD_DIST.pdf](http://www.purduecal.edu/finaid/GRAD_DIST.pdf) | $2,000 per year (Indiana residents) - $6,000 over three years | Minimum cumulative GPA of 3.0/4.0 | No

**Source:** [http://www.purduecal.edu/finaid/scholarshipsnolinks.html](http://www.purduecal.edu/finaid/scholarshipsnolinks.html)
<table>
<thead>
<tr>
<th>Program</th>
<th>Description</th>
<th>Application</th>
<th>Annual/Aggregate Amts</th>
<th>Eligibility</th>
<th>Repayment Required</th>
</tr>
</thead>
</table>
| Honors Scholarship      | Awarded to those Honors students who meet eligibility requirements. For more information, send an e-mail to: honors progra... | Separate application required available at http://webs.calumet.purdue.edu/admissions/students/transfer-student/etap/ | $3,000 annually (in-state) $4,000 annually (out-of-state) Restricted to payment of tuition and fees | HONORS PROGRAM PARTICIPATION  
Entering 1st year students:  
- 3.5/4.0 High School GPA AND 1100 SAT CR&M, including minimum score of 450 in each of these two areas OR  
- ACT composite score of 25 including a minimum score of 21 on each component (CR&M).  
Current Purdue Calumet Students or transfer students:  
- 3.5/4.0 cumulative GPA based on a minimum of 30 credit hours of college coursework  
- Complete at least 10 volunteer hours per year and at least 50 volunteer hours during their undergraduate program  
- Renewable for up to 4 years as long as you remain academically qualified  
To maintain the Scholarship:  
- Complete at least 2 Honors courses per academic year and tally 100 participation points  
- For further information go to: http://webs.purduecal.edu/honors/ | No |
| Enrollment Incentive Award | Program offering selected students with the opportunity to pursue a bachelor's degree at Purdue Calumet at in-state tuition rates for certain courses | Separate application required available at http://webs.calumet.purdue.edu/admissions/students/transfer-student/etap/ | Covers the difference between the out-of-state tuition and the tuition for Indiana residents for 300 and/or 400 level courses.  
- For an academic year the value of this program exceeds $1,700 per semester when enrolled in 9 credits at the 300 and/or 400 level  
- Award is restricted to fall and spring semesters only  
- Limited to 4 out of 6 continuous enrollment periods, excluding summer and co-op  
- Purdue Calumet can only offer a limited number of Awards each semester. Purdue Calumet may discontinue the program at any time. Should the program be discontinued, awards will cease for the current program participants. There is no guaranteed entitlement of an award for 4 enrollment periods:  
- First time Purdue Calumet student  
- Must have a minimum of 60 transferable college credits to Purdue Calumet  
- Must have a minimum cumulative GPA of 3.0 in all previous college coursework  
- Must be enrolled for a minimum of 9 credit hours at the 300 and/or 400 level per semester at Purdue Calumet for the award to apply to their tuition | No |

**PUC Enrollment Guidelines for Financial Aid purposes:**

**Undergraduate Student:** Full-time is 12 or more credit hours; ¾ time is 9-11 credit hours; ½ time is 6-8 credit hours  
**Graduate Student:** Full-time is 8 or more credit hours; ¾ time is 6-7 credit hours; ½ time is 4-5 credit hours
Academic Regulations

Students who enter institutions of higher education agree to know and abide by the rules of their institutions. Listed in this section of the catalog are some of the specific regulations which govern student and academic programs. Other regulations are listed in the Student Handbook, which is available to students via the Web at www.calumet.purdue.edu/stuserve. A complete set of academic regulations is available to students in the Office of the Dean of Students, SUL (Student Union and Library), Room 314.

Academic Advising and Program Requirements

Students are expected to know the requirements for the degree(s) in which they are pursuing. New for the Spring 2010 Registration period, students can view their program requirements on-line by using the new DegreeWorks application. Students can access DegreeWorks from PCSTAR or MyPUC portal.

Within DegreeWorks Students and Advisors can:

- Track progress toward a degree.
- Plan class schedules for future semesters.
- Consider ‘What-if’ in terms of changing majors to another program.
- DegreeWorks will show how coursework will be applied.

Students are also expected to meet with their academic advisor periodically in order to ensure continued progress toward their program of student degree requirements.

Academic Calendar

The academic calendar shall consist of two, 16-week semesters and one summer session. Refer to our website at www.purduecal.edu/registrar for exact dates.

Majors and Degree Programs

Students are assigned to an academic advisor based upon their major. Students opting to change their major may do so by completing a Change of Degree Objective form available online at www.purduecal.edu/registrar.

Registration for Classes

There are three registration periods for the fall, spring, and summer sessions.

PRIORITY REGISTRATION: allows students an opportunity to pre-register in order to enroll in the courses they need.

OPEN REGISTRATION: for students unable to register early and for students who may need to adjust their schedules.

LATE REGISTRATION: held during the first week of classes (special schedule for summer) and to allow students to make section and class changes. A penalty fee is charged to students who enroll during this period. (See p. 16 for late registration fees.)

Adding Courses

Students may add courses during the first four weeks of the semester by submitting a completed add/drop card to the Office of the Registrar. Only the advisor’s signature is required during the first week whereas the signatures of both the academic advisor and instructor of the class being added are required during the second, third, and fourth weeks of the semester.

Dropping Courses

Students may withdraw from courses by submitting an add/drop card to the Office of the Registrar. The time period in which a student withdraws from a course determines the recording of the course on the student’s transcript. The following guidelines apply to the six week Fall and Spring semesters only. Accelerated term and Summer term refund schedules are calculated based upon a modified schedule.

- Weeks one through three—no grade recorded on academic record
- Weeks four through twelve—W grade recorded on academic record
- After the twelfth week—no withdrawals are allowed

Attendance

Failure to attend does not constitute an official withdrawal from a course.

Students are expected to be present for every meeting of a class in which they are enrolled. At the beginning of each semester, instructors are responsible for clarifying their policy for handling class absences and the impact absences will have in the determination of course grades.

Students with loans making a change in enrollment may revise their financial aid award. The student should notify the Office of Financial Aid immediately if there is a change in enrollment.

Excessive Absence. A student may be administratively withdrawn from a course for excessive absences upon recommendation of the instructor. Grades of W, WN, or WA may be assigned.

Grades

Students must complete all required work for courses by the last scheduled class. The only exception is if the course has been cancelled. At the end of each semester, students will receive a grade from the instructor for each course they enroll in. The grade indicates the student’s level of achievement of the objectives of the course. Grades offered at Purdue Calumet are listed below.

For Credit Courses

A+/A — highest passing grade
A- B+ B
C+ C
D+ D
D- — lowest passing grade, indicating achievement of the minimum objectives of the course
E — conditional failure, meaning failure to achieve minimum objectives, but only to such limited extent that credit can be obtained by examination or otherwise without repeating the entire course. This grade represents failure in the course unless the record is changed within one semester by examination or otherwise. In any case, the grade cannot be changed to any other grade but a D.
F — failure to achieve minimum objectives of the course. The student must repeat the course and complete it satisfactorily in order to establish credit for it.

For courses in the pass/not pass option

P — passing grade, equivalent to A, B, or C.
N — not passing

For zero credit courses (includes thesis research but not laboratory portions of courses which are scheduled by separate designations)
S — satisfactory; meets course objectives.
U — unsatisfactory; does not meet course objectives.

For incomplete work, credit or noncredit:
I — incomplete, no grade; a temporary record of work which was passing when interrupted by unavoidable absence or other causes beyond a student’s control.

An instructor may require a recommendation from the Dean of Students or a designee that the circumstances warrant a grade of I. The student must achieve a permanent grade in the course no later than the twelfth week of the second semester subsequent to the enrollment. If not, the I will become IF.

If the student is not enrolled for a period of three years following the semester in which the incomplete is given, the incomplete grade will be permanent. The grade will not revert to a failing grade, nor will the student be able to earn credit.
for the course by completing the work. THIS ACADEMIC REGULATION DOES NOT APPLY TO INCOMPLETES RECEIVED PRIOR TO SUMMER 1999.

PI — incomplete, no grade; same as I for student enrolled in pass/not pass option.
SI — incomplete, no grade; same as I for student enrolled in zero-credit course.

Other
The Registrar records the following grades and symbols in special circumstances:

W — withdrew; grade records that student was enrolled in a credit course and withdrew or cancelled the course after the third week (see Registration for summer schedule).

IF — assigned by the Registrar. Failure to complete an I grade by the twelfth week of the second semester subsequent to enrollment in a credit course. Counted as F in the scholarship index.

IN — unremoved incomplete and failing; failing to complete a pass/not pass course in which the student received a PI by the twelfth week of the second semester subsequent to enrollment in the course. Does not affect scholarship index.

IU — unremoved incomplete and failing; failing to complete a zero-credit course in which a student received an IN by the twelfth week of the second semester subsequent to enrollment in the course. Does not affect scholarship index.

IX — assigned by the Registrar. Student not enrolled three years after incomplete was given, then incomplete will be permanent. Does not affect scholarship index.

Pass/Not Pass Option
The Pass/Not Pass option provides students with the opportunity to broaden their educational foundations with less concern for the grades they earn. Grades earned under this option are not used in computing scholarship indexes. The option is open to students according to the guidelines established for their majors.

Students may choose this option in any course which does not already appear on the academic record and in which the student is otherwise eligible to enroll for credit with a letter grade. Students choose this option when they register for the course; they cannot change to the pass/not pass option after the fourth week of the semester. The Office of the Registrar will indicate which students have elected this option. A student who enrolls in a course under this option has the same obligation as one who is enrolled for credit with a letter grade.

When instructors report final grades, they report that any student who would have earned a grade of A, B, or C has passed the course, and that any other student has not passed. The Registrar makes an appropriate notation on the student’s academic record in place of a letter grade but does not use the course grade in computing scholarship indexes.

In addition to these regulations, the following schools and departments have established their own rules for the types and uses of courses elected under this option.

Communication and Creative Arts, English and Philosophy, Foreign Languages and Literatures, History and Political Science, Behavioral Sciences:
1. Semester classification of three and above.
2. Graduation index of 2.00 and above.
3. Only for courses outside departmental and school requirements for electives.
   Exception: HTM 301 must be taken pass/not pass for students in the HTM programs.
4. Standard registration procedures must be followed, including regulations, such as add/drop procedures, withdrawal from courses, and so on.
5. Students must indicate upon registering which courses they wish to take using the pass/not pass option.
6. Students may elect courses given in other schools under the pass/not pass option.
7. Students transferring from another discipline who pass a course required by the major under the pass/not-pass option will be considered, upon transfer, to have satisfied the requirements.

Biological Sciences (except Agriculture), Chemistry and Physics (except Chemical Technology), Mathematics, Computer Science, and Statistics:
1. Semester classification of three and above.
2. Graduation index of 2.50 and above.
3. Students may not use pass/not pass credits for more than 20% of the total credit hours required for graduation.
4. No more than two such courses per year. Courses taken in summer sessions apply to the year preceding the summer session.
5. Only free electives and courses in the humanities and behavioral and social sciences core may be taken under the pass/not pass option. Such courses may be used to satisfy that portion of the core only if they are more advanced than those usually elected at the student’s level.

Agriculture:
1. Semester classification of three and above.
2. Graduation index of 2.00 and above.
3. No more than 21 credits of elective courses taken under the pass/not pass option will be used toward graduation.

Construction Science & Organizational Leadership, Engineering Technology, Computer Information Systems and Graphics:
1. Students may use the pass/not pass option in any course which does not already appear on the students’ academic record, and in which the students are otherwise eligible to enroll for credit with letter grade.
2. Students may not use pass/not pass credits for more than 20% of the total credit hours required for graduation.
3. Students will not be permitted to use the pass/not pass option until the students’ advisor agrees that the course is desirable for the students to take, given the students’ particular situations.

Education:
1. Semester classification of three and above.
2. Graduation index of 2.00 and above.
3. Students may elect the pass/not pass option only in courses outside departmental and school requirements.
4. Students may elect courses given in other schools of the university under the pass/not pass option.
5. Students transferring from another discipline who pass a course required by the major under the pass/not pass option will be considered, upon transfer, to have satisfied the requirements.

Engineering: Electrical and Computer Engineering or Mechanical Engineering
* This option is available to students only for Humanities/Social Sciences electives.

Management:
1. Semester classification of four and above. Students with a semester classification of three may select the pass/not pass option under special circumstances only.
2. Students in Management programs may elect the pass/not pass option for no more than two courses. The two courses that may be taken under this option are restricted to free electives in the program.
3. Students on academic probation must complete at least 12 credit hours with letter grades in one semester before taking courses under the pass/not pass option.
4. Students on academic probation for a second consecutive semester may not elect the pass/not pass option until they are removed from probationary status.

Nursing:
** Students may elect the pass/not pass option for elective courses only.

Center for Student Achievement:
Not available to students in the Center for Student Achievement.
Students in Good Standing

For reports and communications to other institutions and agencies, students are considered in good standing unless they are dismissed, suspended, or academically dropped from the university without being formally readmitted.

Scholastic Indexes

The scholastic standing of all students in programs leading to an undergraduate degree is determined by two indexes.

SEMESTER INDEX. An average determined by weighting each grade received during a semester by the number of credit hours in the course.

GRADUATION INDEX. A weighted average of all the student’s grades in all courses accepted by the school in which the student is enrolled, plus all other grades received in courses taken in other curricula properly transferred.

SUBSTITUTION OF GRADES. With the advisor’s consent, a student may repeat a course and substitute the most recent grade, unless it is an I.

Semester/Cumulative Grade Point Average Scale Information

Quality points are allocated to each recorded grade according to the following scale:

\[
\begin{array}{l|l|l}
\text{Grade} & \text{Quality Points} \\
\hline
A+ & 4.333 \\
A  & 4.000 \\
A- & 3.667 \\
B+ & 3.333 \\
B  & 3.000 \\
B- & 2.667 \\
C+ & 2.333 \\
C  & 2.000 \\
C- & 1.667 \\
D+ & 1.333 \\
D  & 1.000 \\
D- & 0.667 \\
I & 0.000 \\
F & 0.000 \\
\end{array}
\]

To determine your semester grade point average, you will need to determine the number of total semester points you earned this semester and the total credit hours you had attempted.

Semester Points/Semester Credits Attempted = Semester GPA

Example below:

<table>
<thead>
<tr>
<th>COURSES</th>
<th>CREDITS</th>
<th>GRADE</th>
<th>POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 100</td>
<td>3</td>
<td>A</td>
<td>3\times 4 = 12.0</td>
</tr>
<tr>
<td>CHM 115</td>
<td>4</td>
<td>C+</td>
<td>4\times 2.3 = 9.2</td>
</tr>
</tbody>
</table>

Sem. Credit Hours = 7  
Sem. Grade Points = 21.2

Sem. Grade points/Semester Credits Attempted = Sem. GPA

Example: 21.2/7 = 3.03

To determine your overall grade point average, you will need to determine the number of total grade points you have earned and the total credits you have attempted beginning with your first semester of attendance.

Total Grade Points/Total Credits Attempted = Cumulative GPA

Please note: Instructors have autonomy in determining the grading scale they wish to use for their courses.

MINIMUM GRADUATION INDEX.

Bachelor’s Degree: 2.0. Associate Degree: 2.0.

Scholastic Deficiency

A student will be placed on Scholastic Probation if either the semester or graduation index at the end of a regular semester falls below the levels in the following table for academic classification.

Index Level for Probation

<table>
<thead>
<tr>
<th>Classification</th>
<th>Sem. Index Less than</th>
<th>Graduation Index Less than</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 and 1</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>2</td>
<td>1.5</td>
<td>1.6</td>
</tr>
<tr>
<td>3</td>
<td>1.6</td>
<td>1.7</td>
</tr>
<tr>
<td>4</td>
<td>1.6</td>
<td>1.8</td>
</tr>
<tr>
<td>5</td>
<td>1.7</td>
<td>1.9</td>
</tr>
<tr>
<td>6 and up</td>
<td>1.7</td>
<td>2.0</td>
</tr>
</tbody>
</table>

If a student is already on scholastic probation, the student will be dropped from the university if, at the close of a semester, the graduation index falls below the level in the following table, or if the student receives failing (F) grades in six credit hours or more for the semester.

Index Level for Dropping

<table>
<thead>
<tr>
<th>Classification</th>
<th>Graduation Index Less than</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 and 1</td>
<td>1.3</td>
</tr>
<tr>
<td>2</td>
<td>1.4</td>
</tr>
<tr>
<td>3</td>
<td>1.5</td>
</tr>
<tr>
<td>4</td>
<td>1.6</td>
</tr>
<tr>
<td>5</td>
<td>1.7</td>
</tr>
<tr>
<td>6</td>
<td>1.8</td>
</tr>
<tr>
<td>7</td>
<td>1.9</td>
</tr>
<tr>
<td>8</td>
<td>2.0</td>
</tr>
</tbody>
</table>

Courses with grades of incomplete (I, P) are not included in semester index computations for honors and deficiencies. Completion grades for courses with prior Incompletes are included in the graduation index and will affect honors and scholastic deficiency. The above academic regulations apply only during a regular semester. Students cannot earn scholastic honors, be placed on scholastic probation, or be dropped from the university at the end of a summer session.

Readmission Procedure

For Students Who are Academically Dropped for Scholastic Deficiency

Students who are academically dropped from the Purdue University system may not register or attend classes in any capacity, either for credit or on an audit basis, unless they are readmitted by the Office of the Dean of Students. Students who are academically dropped are eligible for readmission only after they have completed at least one full regular semester (summer session does not count) of non-attendance. Students who have been academically dropped more than once are required to complete at least one calendar year of non-attendance.

READMISSION FEE: Students must pay a $100 non-refundable readmission fee at the Enrollment Services Center – Student Accounts. Applications and procedures for readmission are available in the Office of the Dean of Students located in SUL (Student Union and Library Building), room 314.

For inquiries regarding the readmission process, please call the Office of the Dean of Students at (219) 989-4141; toll-free from within northwest Indiana and Chicagoland area) at 1-800-HI PURDUE (1-800-447-8738).

Graduation Requirements

For the Bachelor’s Degree

1. Completion of the plan of study for the degree, either by resident course work, examination, or credit accepted from another institution.

Ten Year Rule. The dean of the school which administers the student’s major can refuse to accept for graduation credit any course completed 10 or more years ago. Re-entering students will be notified immediately of all such decisions.

Substitution of Courses. The dean of the school which administers the student’s major may authorize substitutions for courses for graduation.

Experiential Learning. Experiential learning is a graduation requirement for students who started with Purdue University Calumet Fall 2008. This approach to teaching allows students to go beyond theory based learning and explore ways to gain practical knowledge within their program of study. Students will enroll in two experiential learning courses while completing their degree. Experiential learning is offered through undergraduate research, internships, service learning, cooperative education, cultural immersion/study abroad, design project or practicum. Your academic advisor will assist you in selecting an experience that is right for you.

EXCEPTION: Transfer students with no more than two semesters of enrollment remaining and no more than thirty-two credit hours needed for degree completion are
 exempt from the experiential learning requirement. *(At the discretion of the Dean or Department Head)*

2. **Residency Rule.** At least two semesters of enrollment in and completion of at least 32 credit hours approved and required for the degree, at the 300 (Junior) level or above at Purdue University Calumet. Students are normally expected to complete the senior year in residence. Courses completed by examination will not apply to this rule.

*Exception.* With the prior approval of the dean of the school which administers the student's major, a student who has at least four semesters of resident study may complete not more than 20 semester hours of the senior year at another approved college or university.

For the purpose of this rule, two summer sessions are considered equivalent to one semester.

3. **Graduation Index of 2.00.**

*Exception.* A student who has completed all other requirements for the degree but does not have the minimum Graduation Index may meet the requirement by:

a. Securing the approval of the dean of the school administering the major, after review of the academic record, permission to register for additional courses. Such a student will not be allowed to take more than 20 credit hours beyond those required for the degree

b. Securing in advance the approval of the dean of the school administering the major to register at another approved college or university for not more than nine of the 20 hours.

Copies of approvals must be filed in the Office of the Registrar. Credit in these additional courses must be earned no later than five years after the date on which all degree requirements were met, except the Graduation Index requirement.

The Graduation Index requirement will be met for such a student if the Graduation Index, now including the extra courses, meets the Graduation Index requirement in effect at the time the student met all the other graduation requirements.

4. Registration as a candidate for the degree during the semester or summer session immediately preceding the completion of the degree.

5. In order to document and strengthen the effectiveness of its programs, Purdue Calumet is engaging in a systematic assessment effort. The University expects its students to complete all assessment procedures related to General Education and/or major field as required.

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### Degrees Awarded

#### Graduation with Distinction

1. A candidate for the baccalaureate degree with distinction must have a minimum of 65 hours of credit earned at Purdue University included in the computation of the graduation index. A candidate for an associate degree with distinction must have a minimum of 35 hours of credit earned at Purdue University included in the computation of the graduation index.

2. The minimum graduation index for graduation with distinction in each school shall be no less than the 90th percentile of the graduation indexes of the graduates in each school, for the spring semester provided that the index is at least 3.30. The minimum graduation index so determined in the spring for each school shall be applied for graduation with distinction for the subsequent summer session and fall semester.

3. Of those graduates who qualify for distinction under these rules for the spring semester, the three-tenths of the baccalaureate graduates having the highest graduation indexes shall be designated as graduating with highest distinction, irrespective of the schools from which they graduate. The three-tenths of the spring associate degree graduates having the highest graduation indexes will be designated as graduating with highest distinction. The minimum graduation indexes so determined for graduation with highest distinction shall be applied for graduation with highest distinction for the subsequent summer session and fall semester.

#### Commencement Schedule

Purdue University Calumet conducts two commencement ceremonies each year. The May commencement ceremony is for students who have completed all graduation requirements by the end of the Spring semester. The December commencement ceremony is for students who have completed all graduation requirements by the end of the Summer session and for students who will meet their requirements at the end of the Fall semester. For more information about the commencement schedule, please contact the Office of the Registrar.

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### Academic Honors

#### Dean's List

The Dean's List is Purdue University Calumet's way of recognizing undergraduate students for outstanding scholastic achievement. Each semester, the Dean's List honors undergraduate students who have at least 12 credit hours in the graduation index with a graduation index of at least 3.5, and have at least six credit hours in the semester index with a semester index of at least 3.0.

#### Semester Honors

Semester Honors recognize undergraduate students who:

- have at least six credit hours in the semester index with a semester index of at least 3.5, and
- have at least a 2.0 graduation index.

Students whose names are placed on the Dean's List shall be entitled to the following special privileges during the semester following the designation of distinction:

1. may be assigned to more than 18 credit hours upon request;
2. with the instructor's permission, a full-time Dean's List student may audit one class without assessment or additional fee.

It would be possible to earn both Dean's List and Semester Honors standing if the student has a really outstanding semester.

Note: Pass/no-pass grades and credits do not count in hours totals for either category of honors.

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Purdue University Calumet strongly believes that it is in the best interest of its students to include a General Education component in all of its academic programs. The faculty, via their governing body, defines general education as that part of the academic program which assists the student’s development as a person and citizen and complements the student’s professional education. The four goals of General Education at Purdue University Calumet are:

1. To develop and enhance basic academic skills
2. To provide important general knowledge
3. To develop the critical skills needed in assessing the ethical, aesthetic, and practical consequences of actions, and
4. To integrate these skills and areas of knowledge so as to promote life-long learning.

To achieve these goals, the faculty have adopted a set of ten basic general education requirements. These are:

1. English composition—6 credit hours. Three credits are required in composition and additional three credit hours are required in a writing intensive course.
2. Natural Science—3 credit hours from a natural science laboratory course in physics, biology, chemistry, geo-science, or an appropriate interdisciplinary natural science laboratory course.
3. Mathematics or Statistics—3 credit hours in a collegiate level mathematics or statistics course.
4. Humanities—3 credit hours chosen from the humanities (literature, history, philosophy, foreign languages, art, music, theater, or an appropriate interdisciplinary humanities course)
5. Social Sciences—3 credit hours chosen from the social sciences (anthropology, psychology, sociology, political science, economics, or an appropriate interdisciplinary course)
6. Speech Communication—3 credit hours in speech communication
7. Computer Utilization—3 credit hours departments have identified appropriate course(s) to enable their students to develop computer utilization skills relevant to their major.
8. Wellness Education—Recognizing the importance of wellness education, the University as part of the general education experience, shall offer students the resources and information necessary to facilitate wellness.
9. Technology—Recognizing the impact of technology on society, the University, as part of the general education experience, shall offer students the opportunity to develop an understanding of the interface between technology and society.
10. Freshman Experience Course—1 to 3 credit hours of all entering freshman and transfer student with less than 60 credit hours.

Each academic program has identified specific courses or experiences to meet the general education requirements. These are the minimum general education requirements at Purdue University Calumet. Most programs have additional general education requirements, specific to that degree.

A complete copy of the Purdue University Calumet General Education philosophy statement, goals and objectives is available in the Office of the Vice Chancellor for Academic Affairs. A list of specific departmental requirements is available in the appropriate Academic Department or School office or from one’s academic advisor.
The International Programs Office

The International Programs Office (IPO) is committed to further diversifying the Purdue University Calumet campus and supporting global awareness. IPO works to provide students with opportunities to learn about the world through academic, cultural, and hands-on experiences. This includes sending PUC students to study abroad, welcoming international students into our classrooms and campus, and offering educational and entertaining cultural programs and activities.

In order to achieve its goals, IPO is comprised of four main units:

- International Students and Scholars (ISS) advises international students on immigration matters in order to help them reach their academic and cross-cultural goals successfully. For more information about ISS, please visit http://webs.purduecal.edu/iss/
- International Programs promotes study abroad and exchange programs, provides peer mentoring for international students, organizes events and activities, and develops international partnerships. For more information, please visit: http://webs.purduecal.edu/ipo/
- The English Language Program (ELP) provides the language instruction students need to succeed in their university studies, and gives students access to native English speaking peer mentors, and field trips to local destinations. For more information, please visit: http://webs.purduecal.edu/elp/
- International Admissions reviews and processes international student applications, evaluates foreign credentials, and corresponds with prospective international students. For more information, please visit: http://webs.purduecal.edu/fis/

To reach IPO, International Programs Office, visit us in Classroom Office Building, room 176; call us at 219-989-2502; or visit our homepage: www.purduecal.edu/intl
Graduate Study

Director of Graduate Studies, Lawshe Hall, Room 238  219/989-2545
Office of Graduate Studies, Lawshe Hall Room 247  219/989-2257

Twelve academic departments and schools offer thirteen master's degrees as well as other programs of graduate study at Purdue University Calumet to meet the post-baccalaureate needs of the citizens of northwest Indiana and surrounding areas. The programs are flexible to suit the needs of graduate students and their employers. They provide development for industry, business and government professionals through focused courses and degrees designed for a wide variety of student ages, schedules, and career paths, including those leading to doctoral study.

Programs

School of Education
- Master of Science in Education with specializations in:
  - Educational Administration**
  - Instructional Technology (School Based)
  - Instructional Design (Non-School Based)
  - Mental Health Counseling
  - School Counseling
  - Human Services
  - Special Education

** the specialization in Educational Administration is available online in an accelerated format.

Also available at the graduate level in Education:

Licenses:
- School Administration
- Mental Health Counseling
- School Counseling
- Special Education (Mild Intervention and Intense Intervention)
- Special Education Director

Certificates:
- Addictions in Counseling
- Response to Intervention
- Instructional Technology
- Elementary and Secondary

School of Engineering, Math and Science
- Master of Science in Biology
  - combined BS/MS in Biological Sciences
- Master of Science in Computer Science
- Master of Science in Engineering with specializations in:
  - Mechanical Engineering
  - Electrical & Computer Engineering
- Master of Science in Mathematics

School of Liberal Arts and Social Sciences
- Master of Arts in Communication
- Master of Arts in English
- Master of Arts in History
- Master of Science in Child Development and Family Studies
  - with specializations in:
    - Marriage and Family Therapy
    - Human Development and Family Studies

School of Management
- Master of Business Administration (MBA)
- Master of Accountancy

School of Nursing
- Master of Science in Nursing

School of Technology
- Master of Science in Technology

Students interested in graduate study should refer to the individual departmental listings of degree requirements elsewhere in this catalog. Correspondence about admission to the Graduate School and inquiries about a specific school/department's requirements should be addressed to the head of the school/department to which the applicant seeks admission.

Admission to the Graduate School

Degree-Seeking Applicants

Applicants for specific graduate degrees must apply for graduate study via the online application located at http://www.gradschool.purdue.edu/admissions/.

Applicants should apply preferably four months, but no later than one month, prior to the semester of desired admission.

All applications are first evaluated by a departmental committee at Purdue Calumet. If advanced for admission, the application is submitted to the Office of Graduate Studies for final processing and approval.

General Admission Requirements:
1. A bachelor's degree from an accredited college or university.
2. Graduation index of 3.0 (B) on a 4.0-point scale (individual departments and schools may set higher indexes).
3. Other requirements, as detailed by individual departments and schools, typically a goal statement or statement of purpose.
4. Academic ability for graduate work.

Applicants must submit:
1. A completed online application.
2. Three letters of recommendation.
3. Two official transcripts of all previous college and university course work completed.
4. A $55.00 application fee payable online by credit card — details in online application.
5. Other documents as required by the individual department or school.
6. Other evidence of academic performance as required by the individual department or school.
7. Graduate Record Examination (GRE) if required by the particular department or school. Consult the individual department or school for additional information.
8. The Graduate Management Admission Test (GMAT) may be required by the School of Management. Consult the School of Management for additional information.
9. Further information can be found at the Graduate School's Web site at: http://webs.purduecal.edu/gradschool/

When to apply

Applications, transcripts and supporting materials should be submitted to the department or school preferably four months, but not less than one month, before the beginning of the session for which the applicant seeks admission. Some programs may have specific deadlines for application. Please check with the department in which admission is sought for information on the specific deadline.

An applicant is not officially admitted until notification from the Graduate School. International students should check with the International Students Services office for application deadlines.

Non-Degree Graduate Status (Temporary Admission Status)

Students who wish to pursue study beyond the bachelor's degree, but may not have specific degree objectives, may take graduate courses by submitting:
1. A completed temporary, non-degree online application located at http://www.gradschool.purdue.edu/admissions/
   There is no fee for submission of a non-degree application.
2. One copy of the bachelor's degree final transcript showing the date of degree completion.
3. Note: Temporary or non-degree students are not eligible for financial aid or Graduate Teaching Aide Positions.
Twelve Credit Rule
No more than 12 hours of credit earned as a non-degree-seeking student (temporary) may be applied to a graduate degree. If an applicant for a regular degree program is approved during the semester in which the student is enrolled for the twelfth credit hour as a non-degree student, all credits completed prior to and during that semester are eligible for inclusion in the plan of study. However, the courses must be appropriate for the degree and be acceptable to the department or school. Students who fail to gain admission as degree-seeking students in a timely fashion may lose credit already earned.

Grades Earned While In Non-Degree Graduate Status
No course in which a student receives less than a B may be included in a plan of study if the student completed the course while in non-degree status.

Teaching License Registrants
Bachelor’s degree holders seeking graduate credit without a degree objective, such as those working in teaching licensure programs or seeking to enhance professional qualifications in their occupations, may be admitted in non-degree graduate status. For further information about licensure, please see the School of Education’s Graduate Study Web site at: http://www.purdue.edu/education/grad/licensing.html

Academic Regulations
GRADUATE. Success in graduate study requires performance of a high quality. Only grades of “A,” “B,” or “C” — while maintaining a “B” average — fulfill Graduate School requirements. An advisory committee or a department or school may require grades higher than C in certain courses. Pass-fail grades are not acceptable. Some graduate programs do not accept a grade of C in courses in the graduate plan of study. Please see your academic program for specific requirements on grades.

Progress Toward Degree
Student progress is reviewed each semester by the individual school or department. If the student fails to perform satisfactorily in the judgment of the department or school, the student may be asked to discontinue graduate study at Purdue Calumet.

English Requirement
Candidates whose native language is not English must prove proficiency in the English language by achieving one of the following:

a. A TOEFL (test of English as a foreign language) score of 77 total score (including score minimums of Writing 18, Speaking 18, Listening 14, Reading 19). Note that in addition to required minimum scores for each category, the Graduate School also requires a minimum overall score that is higher than the minimums for the four area tests combined. Applicants must meet or exceed each of the five scores for admission to the Graduate School. For further information, go to http://www.toefl.org Purdue University Calumet’s code for TOEFL GMAT and other tests through Educational Service is 1638.

b. A grade of at least a B in English at the ordinary level of G.C.E. (General Certificate of Education) or G.C.S.E. (General Certificate of Secondary Education).

c. A scholastic aptitude test (SAT) verbal score of 480 or greater.

d. Transferable credit from an accredited institution of higher education awarded by Purdue University Calumet’s ENGL 104, English Composition course, (2) the student received a grade of B or better, (3) the course was designated as a graduate course, and (4) the course was taken at the graduate level.

Advisory Committees
Each candidate for the master’s degree will have an appointed graduate committee consisting of three faculty members. This committee assists the student in preparing the plan of study and advises the student during graduate work. In the case of the thesis option, the committee also advises the student about research and writing the thesis. With the approval of the Departmental Director of Graduate Studies, the student will select a major professor, who must agree to the appointment. The major professor chairs the advisory committee and oversees the student’s research. The major professor and student must agree upon the related areas in the plan of study.

Plan of Study
The plan of study includes specific courses which the student is expected to complete and all other requirements for the master’s degree; the student and the advisory committee for the department develop the plan of study together. The student is responsible for completing and submitting the plan of study to the Graduate School one semester prior to the semester in which he or she plans to graduate. The plan of study must be approved by the student’s academic advisor before submission. If it becomes necessary to revise the plan of study, a Request for Change to the Plan of Study must be submitted with a justification. Plans of study are submitted electronically through the ePOS system. The electronic plan of study is available to graduate students through the myPUC portal.

Admission to Candidacy
Admission to candidacy for the master’s degree is granted only after approval of the formal plan of study. A candidate for any advanced degree must be registered during the semester in which the degree is awarded.

Oral and Written Examinations
The requirements for oral and written examinations are established by the advisory committee or the school or department. A final examining committee for each candidate certifies to the Graduate School that the student has met the requirements of the major department or school.

Graduation Deadlines
Graduating on time is very important to most students. Therefore, a student must be aware of the rules and the deadlines set forth by the university and the academic department. Many rules and deadlines that apply to our Graduate School can be found on the Purdue West Lafayette Web site at: http://www.gradschool.purdue.edu/calendar/calendar.cfm?type=Deadlines.

For more information, visit the Office of the Graduate School’s Web site at www.purduecal.edu/gradschool/index.html or call (219) 989-2257.
e-mail: grad@purduecal.edu
Resources, Services and Facilities

MISSION STATEMENT
Student Affairs, a primary partner for holistic learning and development at Purdue University Calumet, is committed to assisting students as well as faculty, staff, parents and other family members. Comprised of individuals who care deeply about students, staff in Student Affairs stand ready to offer guidance and support.

GOAL 1 — Encourage the overall well-being of students.
GOAL 2 — Enhance the educational experience through participation in holistic activities
GOAL 3 — Inspire students to pursue lifelong learning.
GOAL 4 — Promote an inclusive community that values productive communication and diverse ideas and that demonstrate collaboration and cooperation

STUDENTS WITH DISABILITIES
In compliance with the Americans with Disabilities Act (ADA), all qualified students enrolled in courses are entitled to appropriate accommodations. It is the student’s responsibility to have disability documentation on file in the Office of Student Support Services, meet with the Assistant Director, Disabled Student Development Services for an intake to determine their accommodations and inform the instructor of their classroom accommodations.

Office of Disability Resources
Student Union & Library Building, Room 341, (219) 989-2455; (219) 989-2454 Telecommunications Device for Deaf (TTY/Voice)

The mission of the Office of Disability Resources is to provide reasonable accommodations to students with documented disabilities in an effective and efficient manner; assist students with disabilities in building self-advocacy skills; and to build collaborative partnerships with Purdue University Calumet faculty and staff, as well as, agencies which provide services to persons with disabilities within the surrounding communities.

In order for students to receive academic accommodations students must register with the Office of Disability Resources and provide documentation of their disability. Disability documentation must be current, state what the disability is, as well as, the functional limitations caused by the disability and/or its treatment. Please contact the Office of Disability Resources for additional guidelines for disability documentation.

Center for Student Achievement Academic Advising
Lawshe Hall, Room 122, 219/989-2339

Each academic department and school and the Center for Student Achievement offer academic advising for specific programs of study. Students consult their academic advisors for information on program requirements and career options in their majors. Every student is assigned an academic advisor and should meet with that advisor three times per year.

Information Center
Student Union & Library, Concourse, 219/989-2400

The Information Center is a starting place to gain general information about the university and the campus. The Information Center is staffed by knowledgeable people who can further direct students to more specific sources of campus information.

The Information Center makes Peregrine van reservations (for students and staff).

The Counseling Center
Gyte Building, Room 5, 219/989-2366

The Counseling Center offers a range of psychological and career counseling services to all students at Purdue University Calumet toward enhancing student academic and personal success and career satisfaction. Services are provided in individual, couples, or group formats and include assessment, brief counseling and psychotherapy, referral, consultation, and psychoeducational workshops. These services are provided by licensed mental health professionals and postgraduate counselors under their supervision. All psychological services are confidential as protected by law.

Personal issues such as adjustment to college/work, relationship concerns, anxiety, depression, alcohol and drug use, body image/eating problems are only some of the many concerns that may be addressed in brief psychotherapy. Medication evaluation with a prescribing psychologist in the Counseling Center and collaboration with the Student Health Services Center is also available. As needed, referrals to qualified professionals in the community are made available.

Library
Student Union & Library, Second Floor, 219/989-2224

The Purdue University Calumet Library is designed to sustain the accessible, trusted, and indispensable learning environment that is fundamental to student academic achievement in college.

Its academic goals are to deliver high quality information, provide excellent guidance in its use, and promote learning in an attractive, technologically advanced, and personally comfortable environment.

The Library helps students learn strategies and skills for accessing information and using it effectively for their class work.

The Library Web site www.purduecal.edu/library/ is a link to scholarly information in electronic and print formats—books, journals, reference guides, and archives. Services for the user, including interlibrary loan, reference assistance and requests for purchase, are available 24-7 via links on the Library’s Web site. Click on the quick link on the Purdue University Calumet home page for easy access to Library resources.

At the Library, students learn how to search a variety of information resources, including PULSE, the Web-based online catalog, to locate resources that the Library owns; search electronic databases to retrieve journal articles in full text, and organize and carry out research projects.

The Library faculty, staff, and student assistants are here to help students learn in today’s complex information environment. The Library provides individual assistance to each student. The Reference Desk, located in the center of the Library, is the place for students to begin their research. Library instruction sessions, which include pre- and post-tests of student information literacy, are scheduled at the request of professors.

Open 95 hours per week, the Library is a haven for student learning. The Library learning environment includes such amenities as study rooms for group projects, an electronic classroom for hands-on learning, leisure seating for quiet conversation and a place to meet, and individual carrels for quiet study. A high-tech presentation practice room is available. The source for virtual and print documents about the university, Archives and Special Collections, was recently renovated to better accommodate scheduled classes and regular exhibitions. The ACCESS Center provides hardware and software to accommodate the needs of differently-abled students.

The Library’s print collection includes 275,000 volumes and 503 current journal subscriptions. About 3,000 new volumes are added each year. The Library also subscribes to 4,100 electronic journals and 2,760 electronic books. New links to electronic resources are added weekly. The Library has nearly 800,000 microforms as well as a digital reproduction system that provides laser quality copies of microforms.
Computer Education Building and Computing Facilities

Not only do students at Purdue Calumet learn with computers, they also learn about computers. Purdue University Calumet has state-of-the-art computer facilities and is especially rich in its computer hardware. The Purdue Calumet Library and Campus Lab Community, in coordination with the Computer Technology and Information Services Department (CTIS) provide computer labs for student use. The primary student computing labs are in the Powers Building first floor M-115 and the Gyte Building ground floor, and provides access to more than 130 computers. The learning areas offer students access to a variety of software applications, including word processing, spreadsheet, electronic mail, Web browsers to access the Internet, WebCT Blackboard, and management applications such as SPSS. This lab also is equipped with computing software to assist in registration, student electronic mail, and access to the Internet. Most of Purdue Calumet’s Departmental open labs have the same base software, including the Library. Every student receives an computer network account to access these systems; Purdue Calumet offers one of the best campus computing environments for a university of its size. Several campus computer labs are open to students nearly 18 hours per day, 8 hours a day on weekends.

Campus equipment includes:

- The Power Lab and Gyte Learning Commons are available 109.5 hours per week during the semester and is open to all students.
  - Monday through Thursday (7:30AM-2:00PM)
  - Friday & Saturday (Friday 7:30AM-8:00PM) (Saturday 8:00AM-8:00PM)
  - Sunday (1:00PM-12:00AM)
- PCs including MACs with an average CPU speed of 3 GHz.
- Local Area Networks (LAN) with 100Mbps to the desktop and 1Gbps uplink between buildings: connecting campus computing resources with 8 Mbps bandwidth access to the Internet.
- There is a wireless network access in 95% of all the campus’ public spaces and 78 Open Air Computers placed in key student gathering areas for convenient desktop computing access.

Career Services

Student Union & Library, Room 349, 219/989-2419
careerservices@purduecal.edu
www.purduecal.edu/careerservices

Monday, Tuesday, Thursday, & Friday — 8AM to 4:30PM
Wednesday — 8AM to 7PM

Breaks and Summer Hours — M-F 8AM to 4:30PM

Career Services is a one-stop shop for all your professional needs. Available to students, alumni, and the community, our services include resume and cover letter reviews, mock interviews, networking opportunities, job search assistance, career-related advice, and more. The office also maintains the University’s web-based career management system, CareerTrax. CareerTrax is more than a job board, it also has a built-in resume maker, an online portfolio, applicant tracking, alumni mentoring, and the Career Insider (chats, samples, company data, and more). Whether you are looking for part-time, full-time, internships, co-ops, projects, volunteerism, or other employment opportunities, Career Services can help. A comprehensive career resource center is available in SUL 349 and online at HYPERLINK “http://www.purduecal.edu/careerservices” www.purduecal.edu/careerservices. The center has directories of occupations and employers, career and job search books, free career materials, and a system that allows students to practice their interviewing skills. It’s also an excellent place to visit if you are undecided about choosing a major.

STUDENT EMPLOYMENT

The Student Employment Office is an integral part of Career Services. Our goal is to provide meaningful employment for students, correlating to their educational goals and connecting them to campus. Some of the benefits of student employment include a steady paycheck, flexible schedules, on-campus or nearby locations, and an opportunity to develop real world skills.

Not only does Student Employment coordinate Federal Work Study and Non-Federal Work Study positions, but also temporary, project, and Graduate Aide positions. Please feel free to contact Student Employment for further assistance with on-campus employment issues, (219) 989-2600.

LEADERSHIP DEVELOPMENT

The Inspired Leaders Series is a set of leadership workshops where students can earn a leadership certification by attending various workshops throughout the year. You can earn a Silver Member Award and specialize in different areas such as: Leadership, Teamwork, Communication, Personal and Professional Development, and Job Search Skills. Get a jump on your future and plan for success by attending these workshops. Visit our Web site for a full listing of the workshop schedule and to sign up online to attend.

New Student Orientation

Student Union Library, Room 104B, 219/989-2358
orientation@purduecal.edu

http://webs.calumet.purdue.edu/newstudent/

Hours: Monday through Friday 8:00 a.m. - 5:00 p.m.
One day per week office is open until 6:30 p.m.

For Summer Break hours call (219) 989-2358

A student’s journey begins with New Student Orientation. This one day interactive event is designed for students to learn how to navigate college life and succeed at Purdue University Calumet (PUC).

New Student Orientation provides an opportunity to discover valuable resources, attend workshops and an academic overview, take a campus tour, enjoy lunch with other PUC students, and register for classes. Parents and family members too will learn valuable information regarding their student’s journey at PUC.

In addition, New Student Orientation events throughout the academic year to connect new students to the University and the campus community.

Campus Life – Student Activities

Student Union Library, Room 104B, 219/989-2369

Student Activities offers a wide variety of programs and services that facilitate student involvement and enhance the educational experience with opportunities to learn, grow, and get connected to Purdue University Calumet. Student Activities offers quality programs and resources that educate beyond the classroom in such areas as leadership, cultural awareness and diversity, social engagement, and community service which assists students in the development of skills they can use long after college. Student Activities works closely with the campus’ 50-plus student organizations, including the Student Government Association, social and professional organizations, and the campus newspaper, The Chronicle.

In addition to assisting these groups, Student Activities coordinates special events and programs, such as Dances, the Student Activities Awards Banquet, Bowl Party, Pancake and Ice Cream Study Breaks, Meal with Your Mentor. Stay in touch with what’s going on around campus by visiting: http://webs.purduecal.edu/studentactivities/

Student Activities also encourages students to get a Co-curricular Transcript (“CcT”), an official University document that will help them get the competitive edge for securing employment, internship opportunities, graduate school admission and scholarships. A CcT is a document that complements students’ academic transcript by verifying their co-curricular involvement. It will be a valuable asset for students when trying to get ahead.

A CcT lists students’ co-curricular experiences (those activities that took place outside the classroom) in which students have been involved while being enrolled at Purdue University Calumet. This could include honors and awards, Student Government and organizations, athletics and intramurals, educational workshops/ conferences, and community and campus service. Forms and additional information are available online at http://www.purduecal.edu/cct
Health, Recreation and Sports
Fitness & Recreation Center, Room 141
Athletics: 219/989-2540; Fitness Center: 219/989-2175;
Wellness Office: 219/989-2709; Recreation: 219/989-2550; and Intramurals: 219/989-2095

The Fitness and Recreation Center is the base for a broad range of intramural and athletic activities. Open recreation for students, faculty and staff is available seven days of the week with the purchase of a Fitness Center membership. Intercollegiate athletics include men’s and women’s basketball, men’s and women’s cross country, men’s golf, men’s and women’s tennis and women’s volleyball through the National Association of Intercollegiate Athletics. A wide range of intramural sports are available for students and non-students alike. Club sports are also offered.

The Fitness Center is a comprehensive, multi-dimensional, physical fitness training facility designed to service Purdue University Calumet students, faculty, staff and people from surrounding communities. The Center features state-of-the-art equipment, convenient hours and a professional staff of exercise physiologists. Fitness Center members also may participate in specialty exercise programs such as Yoga, Pilates and Tai Chi. Purdue Calumet undergraduate students may use the Center by paying a facility user fee each semester. Purdue University Calumet graduate students must pay an activity fee along with a facility user fee. Non-students are subject to different membership fees.

Wellness programs and services are available to Purdue University Calumet students and employees. The wellness staff provides health screenings, educational programs, and other health-related activities to assist students and employees in making health-conscious decisions about lifestyle behaviors that affect their health and well-being.

Educational Opportunity Programs
Student Union & Library, Room 335, 219/989-2779

The history of educational opportunity and access at Purdue University Calumet begins with the funding of the Upward Bound Program in 1966. The Purdue Calumet Upward Bound was one of the first in the country. Today, students from Northwest Indiana are able to enter the TRIO educational pipeline in sixth (6) grade through graduate school. The following describes the mission, target population and impact of TRIO programs.

UPWARD BOUND
Student Union & Library, Room 339, 219/989-2392

Upward Bound helps prepare students to bridge the gap between high school and college. A pre-college preparatory program, Upward Bound provides academic support, cultural enrichment, and personal/career counseling to increase the academic skills and motivational levels of participants.

Students are identified and selected for Upward Bound during their freshman year in high school. The program includes four phases:

First Summer. Students spend four weeks at the Purdue University Calumet campus. Curriculum includes exploration in academic and career areas.

Second Summer. Students spend seven weeks on the Purdue West Lafayette campus enrolled in both academic and elective courses.

Third Summer. Students attend an eight-week session on the Purdue University Calumet campus enrolled in six hours of college credit courses and career planning sessions.

Fourth Summer (optional). Program graduate may attend an eight-week class session at either the Calumet or West Lafayette campus. Some conditions apply.

During the academic year, students are enrolled in academic enrichment courses and other activities each Saturday at Purdue Calumet.

EDUCATIONAL TALENT SEARCH
Student Union & Library, Room 313, 219/989-2460

Educational Talent Search, funded by the U.S. Department of Education, is a federally funded TRIO program, which assists in providing postsecondary educational opportunities to underrepresented middle and high school students at targeted schools in the greater Calumet Region.

By extending encouragement to prospective college students and providing counseling and information, participants realize their potential for success. Our program is designed to identify persons from disadvantaged backgrounds and/or first generation students (neither parent has a bachelor’s degree). Our efforts are coordinated with teachers, school counselors, parents, various community agencies, and other existing support systems. We provide college admissions, financial aid, SAT preparation, academic monitoring, and career exploration.

This program consists of three components: initiative (6th, 7th, and 8th grades), high school (9th through 12th grades), and (adult) non-traditional students.

RONALD E. MCNAIR POST-BACCAULAUREATE ACHIEVEMENT PROGRAM
Student Union & Library, Room 335, 219/989-2779

The Ronald E. McNair Post-Baccalaureate Achievement Program, a federally funded TRIO program, provides services and activities that encourage and prepare undergraduate students who are first generation college and low-income and who are from populations underrepresented in areas of graduate education for graduate study. These services include, but are not limited to tutoring, graduate school visitations, research opportunities, and seminars and workshops that increase the likelihood of being admitted to and successfully completing graduate study.

STUDENT SUPPORT SERVICES
Student Union & Library, Room 343, 219/989-2727
TTY: 219/989-2454; 21st Century Scholars: 219/989-2737

Student Support Services is a federally funded TRIO program that welcomes low-income and first generation college students (neither parent has a bachelor’s degree) and students with documented disabilities. Services include: academic pre-advising, career counseling, individualized tutorial services, assistance completing financial aid forms, etc. and appropriate services for students with documented disabilities. Students who participate in the 21st Century Scholar’s Program may also be eligible to receive these services.

Office of Veterans’ Affairs
Lawshe Hall, Room 130, 219/989-2334

The Office of Veterans’ Affairs is responsible for coordination of all university services which impact veterans on campus. The office ensures prompt delivery of veterans’ educational entitlements to all eligible students. The office provides many services to Veterans including information about the university, admission referrals, certification and details about applying for VA Educational Benefits, assistance with registration procedures, special assistance for disabled Veterans, and referrals to other agencies.

The Student Research Office
Lawshe Hall, Room 238, 219/989-2925

The Student Research Office at Purdue University Calumet exists to help students participate in research and scholarly activities, in collaboration with Purdue Calumet faculty. A student and his or her faculty sponsor work together on a project of mutual interest. The research can be performed in many disciplines on campus. The mentoring relationship developed through the research and scholarly process is beneficial to the student and to the faculty member. Students have the opportunity to participate in a research project from beginning to end, to go beyond classroom experience and to investigate an idea in great depth. Faculty have the enjoyment of being able to move beyond classroom examples with students who are actively engaged in the discovery process.

There are several different programs coordinated by the Student Research Office, including the Undergraduate Research Grant Program (URGP) which funds expenses for a research project, the Student-Faculty Research Collaboration Award (S-FRCA) which funds travel for students when they accompany a faculty member to present their research work results or perform research off-campus, the Student Research Award (SRA) which gives awards to the top research projects done by students at Purdue Calumet and the Louis Stokes Alliance for Minority Participation (LSAMP) an NSF sponsored program which supplies a stipend to undergraduate students, with an emphasis on under-represented students, to do research in the fields of science, technology, engineering and mathematics for a spring or summer semester. The Student Research Office also hosts the annual Purdue University Calumet Student Research Day.
Office of the Vice Chancellor for Student Affairs

Lawshe Hall, Room 352, 219/989-2367

The Office of Vice Chancellor for Student Affairs (VCXA) is responsible for coordinating services which are designed to provide a campus environment in which students are able to develop intellectually and personally. Student Affairs includes the following offices: Campus Life & Dean of Students; Career Services; Counseling Center; Educational Talent Search; From Boots to Books Program; Health, Recreation & Sports; Housing & Residential Education; McClair Post-Baccalaureate Achievement Program; Office of Disability Resources; Student Health Center; Student Employment; and Upward Bound.

In addition to management responsibilities, the Vice Chancellor for Student Affairs has oversight responsibilities for the Americans With Disabilities Act Compliance.

The VCXA division of the university views the student as a total being, in that the student’s needs often transcend the classroom. The Student Affairs staff as a group of educators are committed to a team approach to meeting the varied needs of students. The overriding objective is to remove any barrier which would stand between the student and the student’s realization of a successful university experience.

Office of the Dean of Students

Student Union and Library Building, Room 313

The Office of the Dean of Students promotes responsibility, accepting consequences of behavior and encourages honesty, integrity, and respect among Purdue University Calumet students through education, compliance with behavioral standards, and support of individual rights.

The Office of the Dean of Students also serves as the Student Liaison Office at Purdue University Calumet. Our aim is to provide answers to your questions, appropriate referrals as needed, and helpful support and problem-solving assistance. We are your advocate and are eager to help you be successful.

Applications and procedures for readmission of students who have been academically dropped from the University are available online at www.purduecal.edu/deanofstudents.

Charlotte R. Riley Child Center

219/989-2343

The Charlotte R. Riley child center operates as a lab school through the Department of Behavioral Sciences. The child center provides high quality child care services, preschool and kindergarten education programs to children of students, staff, faculty, and to the community. The center is NAECY accredited and meets all state licensing rules and Paths To Quality (PTQ) requirements for children ages 3-6. The center is open all year excluding university holidays and two weeks prior to the fall semester. Children who are at least three years old and toilet trained through kindergarten age can stay for blocks of time or all day at a reasonable cost. Children entering kindergarten must meet the State of Indiana age requirements. Unscheduled care for enrolled children is available on a limited basis. All childcare requires advanced enrollment.

University Police

University Police Building, 219/989-2911 - Emergency; 219/989-2220 - Business

Business Lobby Hours — 7AM to 11PM
Police Department Hours — 24/7

The University Police Department conducts motorized patrols, foot and bike patrols throughout the campus and responds to all calls for service. The department is equally responsible for traffic and parking enforcement and investigating all suspicious or criminal activity, motor vehicle accidents, and medical emergencies. Motorists in need of assistance may call the police department for assistance. Escorts on campus are handled on request. University Police also oversees the university key operations, access control, staff ID’s and transportation services.

Center for Student Achievement

Lawshe Hall, Room 122, 219/989-2339

The Center for Student Achievement is a multi-component division consisting of Academic Advising and Academic Recovery.

ACADEMIC ADVISING

Lawshe Hall, Room 122, 219/989-2339

The Center advises students who have not declared a major, adult learners admitted as non-degree students, those not directly admitted into the School of Nursing and School of Education, and students who have academic deficiencies that prevent direct admission to a major. The center also offers additional academic or skill preparation prior to entering an academic major, assisting students in maintaining satisfactory academic progress, course selection appropriate to intended major selection of major consistent with career goals placement testing, tutoring, and Supplemental Instruction (SI).

ACADEMIC RESOURCE CENTER

Supplemental Instruction and Tutoring Services
Gyte Building, Room 102, 219/989-3227

The Center offers Supplemental Instruction (SI) in selected courses. Students may opt to take advantage of this service. Additionally, the Center has an academic drop-in tutoring service for all Purdue Calumet students who need assistance. Tutoring sessions are offered in math, sciences, foreign languages, English, management, technology, engineering and other areas. Assistance is provided by qualified student tutors. Students or community members may also contact the Center for private tutoring services. The Center also administers national testing for the SAT, ACT, CLEP and TOEFL tests.

TESTING CENTER

Gyte Building, Room 237, 219/989-2504

The Testing Center is responsible for issuing and proctoring placement tests in English, math, and foreign languages. Photo identification is required for all placement tests.

The Gerontology Center

Porter Hall, Room 203C, 219/989-2863.

The Gerontology Center provides a University focus for education, research and service regarding older people. Its services include consultation with students who may work in gerontology-related fields or who are planning a course of study in social gerontology. The Center also functions as a link from the University to the Northwest Indiana region by providing a variety of conferences, workshops, and referral information on issues of aging.

For further information, please contact the Gerontology Center at 219/989-2863.

Anne Edwards, Director
Ralph Cherry, Associate Director

Entrepreneurship Center

The Entrepreneurship Center is committed to the economic development of the region through the success and growth of business-owners. The E-Center regularly offers a range of programs for practicing and aspiring entrepreneurs; in addition to periodic seminars, workshops, Newsletters, etc.

Non-Academic Programs:

- “BUSINESS-OWNERS ASSOCIATION”
  —Currently with 400+ members
  —Provides sustaining educational, business and networking opportunities.
- “BUSINESS-OWNERS FORUM”
  —For Second-Stage businesses
  —To provide an enabling environment for larger businesses to collectively set the pace for economic growth in the region through peer-to-peer counseling.
“SOUNDING BOARD” — Business-Owners volunteer their expertise to provide assistance to others; public service to stimulate economic development in the region

“E-PROGRAM” for Experienced Full-Time Business-Owners
   — To enhance their abilities to compete more effectively

“ASPIRING ENTREPRENEUR PROGRAM” (AEP)
   — For Aspiring Entrepreneurs
   — To assist in properly and systematically identifying opportunities for self-employment and business start-up.

“E-SPEAKERS” — Business-Owners who speak to university & high school students and share experiences and wisdom.

Academic Programs:

   - Undergraduate Courses in Entrepreneurship, ENTR-100, ENTR-300, etc.
   - “SMALL BUSINESS INSTITUTE” (SBI) — offering free student-based consulting services for owners of small businesses.
   - BA-391 "BUSINESS INTERNSHIP" — Matches students’ skills and career goals to the needs of business owners; project-based internship opportunities
   - BA (Business), with Minor in Entrepreneurship

For further information, please contact the Entrepreneurship Center, at 219/989-2100;
   877/974-2100 (toll-free)  FAX: 219/989-2101
   e-mail: e-center@purduecal.edu
   www.purduecal.edu/center

Prof. Dushan Nikolovski, Managing Director, E-Center

Student Health Services Center

Gyte Annex, Room 34, 219/989-1235

The Student Health Services Center (SHSC) at Purdue Calumet offers students primary care and prevention services. The services include but are not limited to acute and chronic care for non-emergent conditions such as pharyngitis, bronchitis, allergic rhinitis, asthma, hypertension, and diabetes. Services include general physicals, gynecological exams, laboratory analysis, minor surgical procedures and health screenings. Laboratory services will include testing by an outside lab as well as some analysis onsite such as strep screens, pregnancy testing, and urinalysis. In addition students will be provided referrals to health care professionals in our area for further evaluation and treatment as needed. The SHSC, with students consent, works closely with the Student Counseling Center to provide some psychotropic medications. Initial office visits are $20.00 and include the exam and some tests. Follow up visits for acute as well as some chronic diagnoses are performed without charge. Students are responsible for some laboratory charges not covered by the clinic.

Visit Us On The World Wide Web

Our Purdue University Calumet Web site is located at
   www.purduecal.edu
School of

EDUCATION
School of Education
219/989-2335, 800/HI-PURDUE, ext. 2335, Gyte Annex, Room 170C

Department of Teacher Preparation (Undergraduate programs)
219/989-2360, 800/HI-PURDUE, ext. 2360, Gyte Annex, Rooms 151 & 153

Department of Graduate Studies in Education
219/989-2326, 800/HI-PURDUE, ext. 2326, Gyte Annex, Room 122

Bachelor’s Degree Programs
- Elementary/Special Education (Gr. K-6)
- Secondary Education (Gr. 5-12);
- Majors in life science, chemistry, economics, English, French, government, historical perspectives, mathematics, physical science, physics, psychology, sociology and Spanish.

Master’s Degree Programs
- Educational Administration
- Counseling and Development (Mental Health Counseling, School Counseling, and Human Services)
- Instructional Technology
- Special Education

In addition, Purdue Calumet offers licensure programs in educational administration, school counseling and special education (mild and intense intervention).

Career Opportunities
Graduates of Purdue Calumet’s School of Education may work as an elementary school teacher, high school biology teacher, kindergarten teacher, junior high math teacher, reading teacher, middle school social studies teacher, special education teacher, middle school language arts teacher, high school chemistry teacher, mental health counselor, addictions counselor, and more. Master’s graduates may work as a school principal, school guidance counselor, mental health counselor, administrator or advance their classroom career.
Department of Teacher Preparation

Robert Rivers, Interim Department Head. Faculty: H. R. Adesiyin (Emeritus); R.D. Bechtel (Emeritus); L.T. Brandon; J.E. Davis (Emeritus); D.J. Delph (Emeritus); S.E. Gorski (Emeritus); R.C. Hayes (Emeritus); E. Hixson; D.E. Johnson (Emeritus); M. Letcher; R.H. Rivers; R.L. Roames (Emeritus); C. Robinson; G.F. Schultz; B. Turgeon; G. Velez-Rendon; M.W. Weinhold; L.W. Zimmerman

C. Meus, Field Experience Coordinator
M. Ellis, Professional Advisor

The Department of Teacher Preparation, in collaboration with other professional educators and agencies, prepares and supports education professionals and related specialists who:

- apply the appropriate knowledge, skills, and attitudes in developing diverse approaches to educational strategies that are constructive, consistent, and reflective of sound practice;
- are prepared to use current information and technology to empower the people they serve; and
- are sensitive and responsive to the unique needs of others, and of the diverse society in which they practice;
- are advocates and models of quality education and lifelong learning;

The Education faculty is committed to providing the human and technological resources necessary to enable students to construct knowledge, develop practices, and foster relationships.

Mission Statement

The mission of Purdue Calumet's School of Education, in collaboration with other professional educators and agencies, is to prepare and support education professionals and related specialists who:

- Apply the appropriate knowledge, dispositions, and performances in developing diverse approaches to educational strategies that are constructive, consistent and reflective of sound practice;
- Are prepared to use current research, knowledge, and technology to empower the people they serve;
- Are sensitive and responsive to the unique needs of others, and of the diverse society in which they practice;
- Are advocates and models of quality education and lifelong learning.

The School faculty is committed to providing the human and technological resources to enable students and themselves to develop as educational professionals in constructing knowledge, developing practice, and fostering relationships.

“Constructing knowledge” refers to the process by which individuals make meaning of professional information and develop personal theories about teaching, learning, and human development. Individuals construct knowledge through structured educational activities and life experiences.

“Developing practice” refers both to the process by which education professionals improve how they do their jobs as well as to the process of developing and growing as reflective practitioners.

INTASC Standards

The Department of Teacher Preparation at Purdue Calumet has adopted the standards created by the Interstate New Teacher Assessment and Support Consortium (INTASC) to assess our program and ensure that students leave our program with the knowledge, attitudes, and skills to be successful educators. The INTASC standards were drafted by representatives of the teaching profession along with personnel from 17 state education agencies. . . . [and] represent a common core of teaching knowledge and skills which will help all students acquire 21st century knowledge and skills” (INTASC, 1992, p. 3). Additionally, the INTASC standards are adopted and embraced by The Indiana Professional Standards Board.

For each of the ten INTASC standards (see below), specific knowledge, dispositions and performances have been defined. Complete documentation of the standards can be found online at http://www.ccsso.org/content/pdfs/corestd.pdf. In addition, the INTASC standards have been aligned with the School’s conceptual framework, “Constructing Knowledge, Developing Practice, Fostering Relationships.”

1. Content: The teacher understands the central concepts, tools of inquiry, and structures of the discipline he or she teaches and can create learning experiences that make these aspects of subject matter meaningful for students.

2. Learning and Human Development: The teacher understands how children learn and develop, and can provide learning opportunities that support a child’s intellectual, social, and personal development.

3. Diverse Learners: The teacher understands how students differ in their approaches to learning and creates instructional opportunities that are adapted to diverse learners.

4. Multiple Strategies: The teacher understands and uses a variety of instructional strategies to encourage student development of critical thinking, problem solving, and performance skills.

5. Motivation and Management: The teacher uses an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interaction, active engagement in learning, and self-motivation.

6. Communication: The teacher uses knowledge of effective verbal, nonverbal, and media communication techniques to foster active inquiry, collaboration, and supportive interaction in the classroom.

7. Planning: The teacher plans instruction based on knowledge of subject matter, students, the community, and curriculum goals.

8. Assessment: The teacher understands and uses formal and informal assessment strategies to evaluate and ensure the continuous intellectual, social, and physical development of the learner.

9. Reflection: The teacher is a reflective practitioner who continually evaluates the effects of his or her choices and actions on others (students, parents, and other professionals in the learning community) and who actively seeks out opportunities to grow professionally.

10. Community: The teacher fosters relationships with school colleagues, parents, and agencies in the larger community to support students’ learning and well-being.

The Teacher Education programs include a general education component, a major in elementary education or teaching subject areas and electives. The professional education courses begin with exploratory activities in the freshman year and culminate with a full-time supervised teaching experience.

The Department of Teacher Preparation Office and Graduate Studies in Education office serve undergraduates and graduates during and after their attendance at Purdue Calumet, supervising admission of undergraduates to Teacher Education and arranging field experiences, including student teaching. It also facilitates the process for students. The Educational Media Center, located in Gube, Room 143, the Literacy Resource Center in Gube Annex, Room 127, and the Science Laboratory in the Fitness & Recreation Bldg., Room 122 all support the School's programs.

The Teacher Education Resource Center in the Purdue Calumet Library contains print and non-print materials used by faculty, graduate and undergraduate students.
Undergraduate Studies in Education
The School of Education offers a variety of undergraduate and licensure programs through its Department of Teacher Preparation Office located in the Gyte Annex, Room 151 and 153, (219) 989-2360.

The following is a list of undergraduate degrees and licensing programs at the undergraduate level. Please be advised that programs are subject to change. It is the student’s responsibility to work with the appropriate advisor to keep updated on any new requirements or changes.

- Bachelor of Arts, Elementary Education and Special Education (Gr. K-6);
- Bachelor of Arts or Bachelor of Science, Secondary Education (Gr. 5-12);
- Majors in biology, chemistry, English,
- French, mathematics, physical science, physics, Spanish and social studies teaching with intense areas in economics, government, historical perspectives, psychology, sociology.

Note: The courses that are taken at Purdue University Calumet are created specifically to meet Indiana teacher education standards. For that reason, they are subject to change should licensing requirements change. To be licensed to teach in another state, you must contact the state Department of Education for their requirements. See their website for information.

Introductory course work:

**GATE 1:**
- EDPS 22000 Psychology of Learning;
- EDFA 20000 History and Philosophy of Education;
- EDPS 26000 Introduction to Special Education;

**GATE 2: Admission to Advanced Pre-methods courses**
To be eligible to register for Gate 2 courses, candidates must provide documentation of passing praxis I scores, have achieved a portfolio score of 1.5, have earned a 3.0 GPA, and demonstrated acceptable dispositions.

**Admission, Retention and Licensure Standards for all Teacher Education Programs**

**Gate 3: Admission to Methods Courses**
A candidate seeking teacher licensure through Purdue University Calumet, including student teaching, must be admitted to Methods courses by meeting the following minimum standards:

1. Be enrolled at Purdue University Calumet in good standing.
2. Have completed Introductory courses and be registered for remaining courses in the following sequence:
   - EDPS 22000 — Psychology of Learning;
   - EDFA 20000 — History and Philosophy of Education;
   - EDPS 26000 — Introduction to Special Education;

**Gate 4: Admission to the Professional Semester (Student Teaching)**
If a candidate is found to be in violation of any retention standard, the candidate will be placed on probation for the Teacher Education Program. The candidate will be notified by the academic advisor of this status and will not be allowed to proceed further in the Teacher Education Program until any deficiency is eliminated. The candidate will have one year to remove the deficiency. If after one year the deficiency is not resolved, the candidate will be removed from the Teacher Education Program.

- Enrolled at Purdue University Calumet in good standing.
- Maintained a minimum grade index of 3.0 with no grade lower than a C in Education courses.
- Maintained a 3.0 graduation index with no Ds or Fs.
- Completed no more than two Education courses with a grade of C.
- After completing a first education course, have withdrawn from or repeated no more than two courses.
- Demonstrated acceptable dispositions.

If a candidate is found to be in violation of any retention standard, the candidate will be placed on probation for the Teacher Education Program. The candidate will be notified by the academic advisor of this status and will not be allowed to proceed further in the Teacher Education Program until any deficiency is eliminated. The candidate will have one year to remove the deficiency. If after one year the deficiency is not resolved, the candidate will be removed from the Teacher Education Program.

Retention Standards for the Teacher Education Program
Admission to methods courses does not insure retention in the program or approval for the professional semester. Each candidate’s progress will be reviewed by the advisor semester by semester. To be retained in the Methods courses, the candidate must meet the following requirements:

1. Be enrolled at Purdue University Calumet in good standing.
2. Maintained a minimum grade index of 3.0 with no grade lower than a C in Education courses.
3. Maintained a 3.0 graduation index.
4. Maintained appropriate graduation index in secondary content.
5. Completed no more than two Education courses with a grade of C.
6. After completing a first education course, have withdrawn from or repeated no more than two courses.
8. Have taken required Praxis II exams.
9. Have completed portfolio requirement.
10. Have displayed appropriate dispositions.

Appeal Process for Admission and Retention Standards
A candidate may choose to appeal a denial to methods courses or the Professional semester if they have special circumstances that they feel have prevented them from completing all the requirements for admission. All appeals for admission to methods courses and the Professional Semester must be sent to the Teacher Preparation Appeals Committee. The Appeals Committee is made up of three faculty/staff from the School of Education. Each member will serve on the committee for one academic year. The following steps must be taken in order to submit information to the Appeals Committee:

1. Complete a request form for the Appeals Committee. This form may be obtained from the Department of Teacher Preparation Office (Gyte Annex, Room 151).
2. Submit the appeal to the Department of Teacher Preparation Office (Gyte Annex, Room 151) by February 15th for spring semester appeals and September 15th for fall semester appeals.
3. The Appeals Committee will meet as needed to consider appeal requests. The advisor will notify the candidate of the committee’s decision or by the date indicated on the denial letter.

Licensure Standards
Gate 5: Licensure
Candidates will be recommended for a standard teaching license in Indiana and in other states where the recommendation is accepted when they have met the following standards:

1. Completed a program of Elementary or Secondary Education.
2. Earned a bachelor’s degree.
3. Maintained a minimum grade index of 3.0 GPA and no grade lower than a C in Education courses.
4. Achieved a 3.0 graduation index.
5. Achieved passing scores on the Praxis II: Specialty Area Tests and any other tests as required by the Indiana Professional Standards Board or the Department of Teacher Preparation.

Note: Any education major re-entering the program who was not registered in a course for two or more years must meet the admission, retention, and licensure standards in effect at the time of re-entry. The Advisor, in consultation with the Licensing Advisor, has the authority to make decisions in areas where the adopted standards of admission, retention, and licensure do not adequately address individual situations. The policy reflects the minimum requirements for Teacher Education. The individual departments have the option of establishing higher requirements, if desired.

Purdue University Calumet Title II HEA Report Card
Founded in 1946, Purdue University Calumet is a comprehensive regional university dedicated to serving the professional, cultural, and general educational needs of the citizens of Northwest Indiana. Its academic programs lead to certificates and associate, baccalaureate and master’s degrees.

The goal of Purdue Calumet’s School of Education is to work with other university academic units and local schools to produce teachers who are able to teach a diverse student population utilizing a variety of research-based instructional methods that result in high quality student learning. Purdue Calumet’s mission is to produce teachers who excite, encourage and enable their students to be lifelong learners.

Student Demographic Characteristics: 70% percent of Purdue Calumet undergraduate students are of traditional age (17-25-years-old), attending soon after completing high school. A significant number of students are the first in their families to pursue a college degree. 66% percent are enrolled as full time students. 86% percent are Indiana residents. 75% of Purdue Calumet teacher education program recent graduates are female. Minority students comprise 5% of 2007-2008 teacher education program completers (baccalaureate graduates) and 34% percent of the total undergraduate student body.

Type of Institution: At Purdue University Calumet, teacher education candidates are required to take and pass state-mandated tests at two points as they prepare for licensure.

1) Admission to Teacher Education. Candidates must have completed 30 semester hours of course work, maintained a minimum grade index of 3.0 in education courses and an overall grade index of 3.0 with no grade below a B in English composition courses, have submitted an acceptable professional portfolio, and passed a basic skills test in reading, writing and mathematics (Praxis I) at the state mandated level.

ProgramCompleter: At Purdue University Calumet a program completer is a teacher candidate who has completed all requirements of an Indiana state approved teacher preparation program, except the passing of a mandated content area test at the state-required level.

Teacher Preparation Programs: Purdue University Calumet offers six baccalaureate programs leading to state teacher licensure in: Elementary Education, Secondary Education in English, Foreign Language, Mathematics, Science, and Social Studies. Graduate level programs are offered in Special Education. In addition, elementary and secondary teacher candidates who hold a baccalaureate degree may pursue licensure at Purdue Calumet through an individually tailored program that meets all state requirements. As a part of the Northwest Indiana Consortium for Teacher Education, Purdue Calumet offers Transition to Teach programs in five secondary areas, including English, Mathematics, Foreign Language, Physical Science, and Life Science.

Accreditation: Purdue University Calumet is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools. The University’s School of Education programs (undergraduate and graduate) are accredited by the National Council for the Accreditation of Teacher Education, (NCATE). The undergraduate programs were granted continuing accreditation under NCATE 2000 Standards in March, 2002. Graduate programs, formally accredited with the College of Education at Purdue University, are now accredited at Purdue University Calumet.

Unique Program Characteristics: Purdue University Calumet’s programs involve candidates in developmental field experience throughout their career at Purdue Calumet. These experiences are designed to build upon one another in small steps, so that skill and confidence in teaching develops, leading to success in student teaching. A portfolio developed by students helps focus their professional growth on the areas needed for success in their first teaching position.

Notable Features and Accomplishments: Purdue University Calumet has educated a large number of elementary, secondary and special education teachers who are practicing in northwest Indiana schools, as well as a significant number of principals and school counselors in those schools. In collaboration with the Purdue University School of Education at West Lafayette, Purdue Calumet also assists in the education of urban school superintendents.
### Table C1: Single-Assessment Institution-Level Pass-rate

<table>
<thead>
<tr>
<th>Type of Assessment</th>
<th>Assessment Code #</th>
<th># Taking Assessment</th>
<th># Passing Assessment</th>
<th>Institution Pass Rate</th>
<th>Statewide Pass Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Skills</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>PPST Reading</td>
<td>710</td>
<td>23</td>
<td>23</td>
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<td>98%</td>
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<tr>
<td>PPST Writing</td>
<td>720</td>
<td>26</td>
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<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>PPST Mathematics</td>
<td>730</td>
<td>23</td>
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<td>100%</td>
<td>99%</td>
</tr>
<tr>
<td>Computerized PPST Reading</td>
<td>5710</td>
<td>51</td>
<td>51</td>
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<td>100%</td>
</tr>
<tr>
<td>Computerized PPST Writing</td>
<td>5720</td>
<td>47</td>
<td>47</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Computerized PPST Mathematics</td>
<td>5730</td>
<td>51</td>
<td>51</td>
<td>100%</td>
<td>100%</td>
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<tr>
<td>Academic Content Areas (math, English, biology, etc.)</td>
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<tr>
<td>Elem Ed Curr Instruc Assessment</td>
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<tr>
<td>Reading Specialist</td>
<td>300</td>
<td>46</td>
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<td>100%</td>
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<tr>
<td>Other Content Areas (elementary education, career/technical education, health education, etc.)</td>
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<tr>
<td>Technology Education</td>
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<tr>
<td>Family and Consumer Sciences</td>
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<td>Library Media Specialist</td>
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<td>Health</td>
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<td>Teaching Special Populations (special education, ESL etc.)</td>
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<tr>
<td>Intro to the Teaching of Reading</td>
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<td>Educ. Exceptional Students: CK</td>
<td>353</td>
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<td>Educ. Except. Students: Mild Moder. Disabil.</td>
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### Table C2: Aggregate and Summary Institution-Level Pass-rate

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<thead>
<tr>
<th>Type of Assessment</th>
<th># Taking Assessment</th>
<th># Passing Assessment</th>
<th>Institution Pass Rate</th>
<th>Statewide Pass Rate</th>
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<tbody>
<tr>
<td>Aggregate: Basic Skills*</td>
<td>96</td>
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<td>99%</td>
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<tr>
<td>Aggregate: Professional Knowledge*</td>
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<td></td>
<td>100%</td>
</tr>
<tr>
<td>Aggregate: Academic Content Areas (math, English, biology etc.)*</td>
<td>166</td>
<td>162</td>
<td>98%</td>
<td>99%</td>
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<tr>
<td>Aggregate: Other Content Areas (elementary education, career/technical education, health education, etc.)*</td>
<td>166</td>
<td>162</td>
<td>98%</td>
<td>99%</td>
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<tr>
<td>Aggregate: Teaching Special Populations (special education, ESL...)*</td>
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<td></td>
<td>100%</td>
</tr>
<tr>
<td>Performance Assessments*</td>
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<tr>
<td>Summary of Individual Assessments**</td>
<td>101</td>
<td>98</td>
<td>97%</td>
<td>99%</td>
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</tbody>
</table>

*Aggregate pass rate — Numerator: Number who passed all the tests they took in a category (and within their area of specialization). Denominator: Number of completers who took one or more test in a category (and within their area of specialization).

**Summary pass rate — Numerator: Number who passed all the tests they took within their area of specialization. Denominator: Number of completers who took one or more tests used by the state (and within their area of specialization).
Table C1a: Single-Assessment Institution-Level Pass-rate

Data: Regular Teacher Preparation Program, 2006-2007 Third Year Cohort Update

<table>
<thead>
<tr>
<th>Type of Assessment</th>
<th>Assessment Code #</th>
<th># Taking Assessment</th>
<th># Passing Assessment</th>
<th>Institution Pass Rate</th>
<th>Statewide Pass Rate</th>
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<tr>
<td>Basic Skills</td>
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<td>General Knowledge</td>
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<td>Professional Knowledge</td>
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<td>PPST Reading</td>
<td>710</td>
<td>40</td>
<td>40</td>
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<td>98%</td>
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<tr>
<td>PPST Writing</td>
<td>720</td>
<td>43</td>
<td>43</td>
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<td>100%</td>
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<tr>
<td>PPST Mathematics</td>
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<td>Elem Ed Curr Instruc Assessment</td>
<td>011</td>
<td>59</td>
<td>58</td>
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<tr>
<td>Eng Lang Lit Comp Content Knowledge</td>
<td>041</td>
<td>19</td>
<td>19</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Mathematics: Content Knowledge</td>
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<td>73</td>
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<tr>
<td>Social Studies: Content Knowledge</td>
<td>081</td>
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<td>100%</td>
<td>100%</td>
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<tr>
<td>Spanish Content Knowledge</td>
<td>191</td>
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<td>Biology Content Knowledge</td>
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<td>98%</td>
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<tr>
<td>Chemistry Content Knowledge</td>
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<td>Reading Specialist</td>
<td>300</td>
<td>59</td>
<td>59</td>
<td>100%</td>
<td>100%</td>
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</tbody>
</table>

Bachelor of Arts, Elementary Education/Special Education (Grades K-6)
(128-130 CREDITS)

1. Communication
- ENGL 10400 English Composition I
- OR ENGL 10800 Advanced Freshman Composition
- COM 11400 Fundamentals of Speech
- ENGL 10500 English Composition II
- Foreign Language 20100 (3 credits)

2. Humanities and Social Studies
- POL 10100 American Government and Politics
- HIST 15100 United States History to 1877
- HIST 15200 United States History Since 1877
- HIST 10400 Introduction to the Modern World
- PHIL 10600 Human Experience in Art, Lit., Music, and Philosophy
- A&D 20300 Art Activities Elementary Teachers
- MUS 20300 Music for Elementary Teachers

3. Science and Math
- MA 13700 Mathematics for Elementary Teachers I
- MA 13800 Mathematics for Elementary Teachers II
- MA 13900 Mathematics for Elementary Teachers III
- CIS 20400 Intro to Computer Based Systems
- SCI 11200 Introduction to Physical Science I
- SCI 11300 Introduction to Physical Science II
- SCI 11400 Introduction to Life Science I
- SCI 31500 Environmental Science for Elementary Education

4. Education Requirements (Sequenced)

**GATE 1: Introductory course work**
- EDFA 20000 History and Philosophy of Education
- EDPS 22000 Psychology of Learning
- EDPS 26000 Introduction to Special Education

**GATE 2: Advanced Premathematics**
(Licensure scores on Praxis I PPST required for registration)
- EDCI 35500(T) Teaching and Learning in the K-12 Classroom
- EDCI 31100 Media for Children
- EDPS 27000 Characteristics of Individuals with Mild Disabilities
- EDCI 36600 Use of Assessment in the K-12 Classroom

**GATE 3: Methods Semester 1**
- EDCI 32100 Literacy I: Grades K-2
- EDCI 37000(T) Teaching Students with Diverse Learning Needs
- EDCI 32300 Educational Technology for Teaching and Learning
- EDCI 49000 Lifelong Health & Wellness for Teachers & Children

**Method Semester 2**
- EDCI 30400 Literacy and Middle Childhood
- EDCI 31600 Teaching Social Studies in the Elementary School
- EDPS 49100 Topics in Special Education

**Methods Semester 3**
- EDCI 31500 Teaching Mathematics in the Elementary School
- EDCI 31700 Teaching of Science in the Elementary School Curriculum
- EDPS 49100 Special Education Law

**GATE 4: Professional Semester**
- EDCI 49700(T) Supervised Teaching (K-6 classroom)
- EDCI 49900 Student Teaching In Special Education

Courses designated as Ext. meet the university requirement for experiential learning.
Bachelor of Arts or Bachelor of Science in Secondary Education, Senior High, Junior High, Middle School (Grades 5-12)

All Secondary Teaching Programs are offered jointly with the academic departments. See the appropriate department for further information.

1. Education Requirements (Sequenced)

   GATE 1: Introductory coursework
   - EDF A 2000 History and Philosophy of Education
   - EDPS 26000 Introduction to Special Education
   - EDPS 22000 Psychology of Learning

   GATE 2: Advanced Premethods
   (Licensure scores on Praxis I PPS required for registration)
   - EDCI 35500 (Ex L) Teaching and Learning in the K-12 Classroom
   - EDCI 36600 Use of Assessment in the K-12 Classroom

   GATE 3: Methods
   - EDPS 37000 (Ex L) Teaching Students w/Diverse Learning Needs in the K-12 Classroom
   - EDCI 34X00 Strategies of Instruction in the content major (Methods course)
   - EDCI 32300 Educational Technology for Teaching and Learning

   GATE 4: Professional Semester
   - EDCI 49700 (Ex L) Supervised Teaching of Middle School/Jr High/High School Subjects

2. Appropriate general education courses and content area courses and GPA for degree and licensure.

3. Appropriate electives, fulfilling degree requirements.

4. Appropriate Praxis II exams taken.
The School of Education offers a variety of Master’s degrees areas of concentration and license programs through its Graduate Studies in Education office located in the Gute Annex, Room 122 (219) 989–2326. The GSE secretary is responsible for all paperwork regarding admissions to, and retention in, graduate programs. The Head of the Department of Graduate Studies in Education is responsible for supervision of all graduate programs. For admission to, and successful completion of, any of our graduate programs, the student must fulfill the following requirements:

A. Admission to a GSE Program
   Step 1. It is very important that the student contact the advisor of a GSE program in which the student might be interested. Because of federal and state requirements, each of our programs has its own special requirements, procedures, and standards so it is important to speak directly with the advisor who will best know these requirements, procedures, and standards. The advisor will coach the student on the proper steps to take for admission into that specific major.
   Step 2. Based on the advice given by the advisor, the student must follow two steps to apply for admission. First, the student must fill out the online application requesting admission to the program of choice. Advice on completing this application may be sought from the GSE secretary in Gute Annex, Room 122. Second, the student must check with the GSE secretary for any additional required forms or activities that need to be completed for admission to the desired program. Any such forms or activities must be completed and returned to the GSE secretary before admission may occur. When all forms and requested information are submitted, the GSE secretary will continue the admissions procedures by forwarding the student’s admissions folder to the appropriate advisor.
   Step 3. The advisor of the student’s desired program will review the admissions materials, notify the student of any additional procedures, will bring the folder before the GSE Admissions Committee for action and, if the action is positive, will forward the student’s folder to the Head for processing. The student will receive a letter in a few weeks from the Graduate School in West Lafayette informing the student of admission into the program.
   Step 4. The student will again meet with the advisor and begin taking the required coursework.

B. Completion of a GSE Program
   Step 1. Completion of a GSE program will require successfully completing coursework as well as fulfilling specific requirements unique to each program. It is, therefore, necessary for the student to make certain to meet with the program advisor and discover ANY AND ALL additional program requirements for graduation.
   All of our degree and license programs are standards-driven, so the student must prove the attainment of all standards in whatever form the individual program or license requires. A portfolio, for example, will be one form of proving standards attainment, but the details of the portfolio will differ with each program or licensing area. Some license programs may require a state exam as well. Therefore, the student must make certain throughout his or her program to complete all graduation requirements as they are assigned. This must be done before the advisor will present him or her for graduation or for license completion.
   Step 2. In order to graduate, the student must have a written, formalized plan of study (POS). This POS is a contract between the student and the student’s advisor listing the specific courses a student is to complete. It is the student’s responsibility to contact his/her advisor for the completion of a POS. The earliest that a POS may be written is as soon as the student has been admitted into the desired program and as soon as any conditions on such admission have been fulfilled. The latest a POS may be written is the semester before that in which the student expects to graduate.

The following is a list of our Master’s degrees areas of concentration and licensing programs. Programs are subject to change, so it is the student’s responsibility to work with the appropriate advisor to keep updated on any new requirements.

Master of Science in Education (Special Education Concentration) (33 hours)
In addition to the following coursework, a professional portfolio is required.

Foundations (9 hours)
- Humanistic Education (3 hours)
  - EDCI 58500 Multicultural Education
- Behavioral Education (3 hours)
  - EDPS 53000 Advanced Educational Psychology
- Research in Education (3 hours)
  - Select one of the following courses:
    - EDPS 53100 Introduction to Measurement and Evaluation
    - EDPS 53300 Introduction to Educational Research I: Methodology

Special Education Core (18 hours)
Select six of the following courses:
- EDPS 56300 Identification, Evaluation, and Assessment of Individuals with Exceptionalities
- EDPS 56500 Intervention Strategies and Research
- EDPS 56600 Supervised Teaching in Special Education: Mild Intervention
- EDPS 56600 Supervised Teaching in Special Education: Intense Intervention
- EDPS 56800 Special Education Issues
- EDPS 59000 Internship in Special Education: Mild Intervention
- EDPS 59000 Internship in Special Education: Intense Intervention
- EDPS 59000 Internship in Special Education: Mild Intervention
- EDPS 59000 Internship in Special Education: Intense Intervention
- EDPS 59000 Internship in Special Education: Mild Intervention
- EDPS 59000 Internship in Special Education: Intense Intervention

EDPS 59000 with title Internship II: Intense Intervention
EDPS 59000 with title Individuals with Severe Disabilities: Historical Perspectives, Etiology and Characteristics
EDPS 59000 with title Seminar in Special Education: Serving Students with Autism Spectrum Disorders
EDPS 59000 with title Intervention Strategies and Research for Teaching Individuals with Severe Disabilities I
EDPS 59000 with title Intervention Strategies and Research for Teaching Individuals with Severe Disabilities II
EDPS 59100 with title Integrating Students with Special Needs
EDPS 59100 with title Historical Perspectives, Etiology, and Characteristics of Individuals with Mild Disabilities
EDPS 59100 with title Applied Behavior Analysis for Teachers
EDPS 59100 with title Advanced Technological Applications in Special Education
EDPS 66400 with title Seminar in Special Education: Law and Individuals with Disabilities
EDPS 66400 with title Seminar in Special Education: Collaboration

* With the exception of all Integrating Students with Special Needs courses listed above have prerequisites, please consult your advisor.

Related (6 hours)
Select two of the following courses:
- EDCI 51100 Mathematics in the Elementary School
- EDCI 59100 with title Literature Problems: Evaluation and Remediation
- EDCI 59100 with title Human Issues in Technology

DEPARTMENTS / SCHOOLS
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EDPS 56000</td>
<td>Educational Technology for Teaching and Learning</td>
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<tr>
<td>PSY 53200</td>
<td>Psychological Disorders of Childhood</td>
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</table>

### License in Exceptional Needs: Mild Interventions
**28 HOURS**

This is not a ‘stand-alone’ license. Candidates must first hold a valid teaching license.

- **EDPS 59100 with title** Integrating Students with Special Needs
- **EDPS 59100 with title** Historical Perspectives, Etiology, and Characteristics of Individuals with Mild Disabilities
- **EDPS 56300** Identification, Evaluation, and Assessment of Individuals with Exceptionalities
- **EDPS 56500** Intervention Strategies and Research
- **EDPS 59100 with title** Applied Behavior Analysis for Teachers
- **EDC I 51100** Mathematics in the Elementary School
- **EDPS 66400 with title** Seminar in Special Education: Collaboration
- **EDPS 56600** Supervised Teaching in Special Education: Mild Intervention (4 credit hours)

*OR*

**EDPS 59000** Internship in Special Education: Mild Intervention

(Candidates who hold an exceptional needs emergency permit may see the advisor regarding the internship alternative.)

(Prerequisites: Completion of coursework above)

These courses may also be counted toward the Master of Science in Special Education, a 33-hour program which requires a portfolio. Please contact Tom Mihail (mihail@purduecal.edu) for details.

### License in Exceptional Needs: Intense Intervention
**21 HOURS**

This is a cohort program, which begins each Spring semester, beginning in January. This is not a ‘stand-alone’ license. Candidates must first hold a valid teaching license. In addition, candidates for this program must (1) first be licensed in Mild Interventions K-12 or complete a specific four-course alternative (Integrating Students with Special Needs, Identification, Evaluation, and Assessment of Individuals with Exceptionalities, Applied Behavior Analysis for Teachers, and Seminar in Special Education: Collaboration).

Supported by a US Department of Education grant, the program is tuition-free for qualifying candidates. Send a letter of interest and resume (as a single e-mail attachment) to Dr. Rita Brusca-Vega, Project Director (vegar@purduecal.edu).

<table>
<thead>
<tr>
<th>Course Code</th>
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<tr>
<td>EDPS 59000 with title</td>
<td>Individuals with Severe Disabilities (4 credit hours)</td>
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<tr>
<td>EDPS 59000 with title</td>
<td>Intervention Strategies and Research for Teaching Individuals with Severe Disabilities I (40 credit hours)</td>
</tr>
<tr>
<td>EDPS 59000 with title</td>
<td>Seminar in Special Education: Diversity, Families and Disability (4 credit hours)</td>
</tr>
<tr>
<td>EDPS 59000 with title</td>
<td>Seminar in Special Education: Serving Students with Autism Spectrum Disorder (4 credit hours)</td>
</tr>
<tr>
<td>EDPS 59000 with title</td>
<td>Internship I: Intense Intervention (40 credit hours)</td>
</tr>
<tr>
<td>EDPS 59100</td>
<td>Advanced Technological Applications in Special Education (4 credit hours)</td>
</tr>
<tr>
<td>EDPS 56600</td>
<td>Supervised Teaching in Special Education (4-Hour Course)</td>
</tr>
</tbody>
</table>

*OR*

**EDPS 59000 with title** Internship in Special Education: Intense Intervention (40 credit hours)

These courses may also be counted toward the Master of Science in Special Education, a 33-hour program which requires a portfolio. Please contact Tom Mihail (mihail@purduecal.edu) for details.

### Director of Exceptional Needs License Program (Special Education Director’s License)
**40 Semester Hours**

1. **1. Special Education/Foundations Block (12 hrs)**
   - **EDC I 58500** Multicultural Education
   - **EDPS 53000** Advanced Educational Psychology
   - **EDPS 53300** Introduction to Educational Research I: Methods
   - **EDPS 66400** Seminar: Special Education Law
   - **EDPS 69500 with title** Internship in Special Education

2. **2. Administration Block (28 hours):**
   (Must be taken in sequence)
   - **EDPS 51200** Foundations of Educational Administration
   - **EDPS 60000** Legal Aspects of American Education
   - **EDPS 61000** Supervision of Instruction and Instructional Personnel
   - **EDPS 51600** School and Community Relations
   - **EDPS 59100** Legal Aspects II
   - **EDC I 59100** School Curriculum
   - **EDPS 59100** School Administration
   - **EDPS 69500 with title** Internship in Special Education

*Note:* This program is intended for those who already have a master’s degree and are seeking licensure. It is also intended for those who already have special education licensure, experience and background. The intent is to couple the Exceptional Needs Director’s License with the Building Level Administrator’s License whenever possible. However, a master’s degree can be worked into the program for those who do not yet have one. Also, additional special education course work may be built into the program for those who need it. The first step is to contact Dr. Pam Frampton the administration advisor: frampton@purduecal.edu.

### Master’s Degree in Education (Counseling and Human Services Concentrations)

The School of Education offers 3 tracks in counseling: Mental Health Counseling, School Counseling, and Human Services. The concentrations in Mental Health and School Counseling lead to licensure in Indiana. The Human Services track is a non-licensure degree program. However, additional courses can be taken to complete the degree in Mental Health Counseling if a decision to do so is made before the internship has begun and with permission of the faculty. All students accepted into the program must obtain a limited criminal history check before their first class. For more information about our program, please email Dr. Lisa Hollingsworth at hollingsworth@purduecal.edu.

### Indiana State License Program, Mental Health Counseling
**60 HOURS**

- **EDPS 50000** Human Relations in Group Counseling
- **EDPS 50300** Intro to Mental Health Counseling
- **EDPS 50500** Career Theory
- **EDPS 50700** Counseling Multicultural and Diverse Populations
- **EDPS 53100** Intro. Measurement and Evaluation
- **EDPS 59100 with title** Research in Counseling
- **EDPS 59100 with title** Human Growth & Life Span Development
- **EDPS 59100 with title** Counseling and Psychopathology
- **EDPS 60000** Counseling Theories and Techniques
- **EDPS 60100** Counseling Techniques Lab
- **EDPS 61000** Counseling Practicum
- **EDPS 59100 with title** Ethics in Mental Health Counseling
- **EDPS 60200 with title** Seminar: Addictions
- **EDPS 62000** Counseling Seminar (Electives): Diverse Topics (4 electives, 12 credit hrs)
- **EDPS 69500** Internship in Education (900 hours; 9 credit hours)
Indiana State License Program, School Counseling

(51 HOURS)

Required Courses
- EDPS 50000 Human Relations in Group Counseling
- EDPS 50100 Intro to School Counseling
- EDPS 50500 Career Theory
- EDPS 50700 Counseling Multicultural and Diverse Populations
- EDPS 53100 Intro. Measurement and Evaluation
- EDPS 59100 with title Research in Counseling
- EDPS 59100 with title Human Growth & Life Span Development
- EDPS 60000 Counseling Theories and Techniques
- EDPS 60100 Counseling Techniques Lab
- EDPS 60900 Program Development/Ethics/Consultation
- EDPS 61000 Counseling Practicum
- EDPS 59100 with title Counseling Children and Adolescents
- EDPS 62000 with title Seminar: Addictions
- EDPS 62000 with title Counseling Seminar (Electives): Diverse Topics (2 electives, 6 credit hrs)
- EDPS 69500 Internship in Education (600 hours; 6 credit hrs)

Master of Science in Education (Human Services Concentration)

(non-licensure program) (33 HOURS)

- EDPS 50000 Human Relations in Group Counseling
- EDPS 50300 Intro to Mental Health Counseling
- EDPS 50700 Counseling Multicultural and Diverse Populations
- EDPS 59100 with title Ethics in Mental Health Counseling
- EDPS 59100 with title Research in Counseling
- EDPS 59100 with title Counseling and Psychopathology
- EDPS 62000 Counseling Seminar (Electives): Diverse Topics (4 electives, 12 credit hrs)
- EDPS 69500 Internship in Education (300 hours; 3 credit hours)
- EDPS 620 Counseling Seminar (Electives): Diverse Topics (4 electives, 12 credit hrs)
- EDPS 695 Internship in Education (300 hours; 3 credit hours)

Certificate in Addiction Counseling

(18 CREDITS)

Only candidates accepted into the certification program or any program within the Department of Counseling & Development may enroll in these courses. Enrollment is strictly limited to these programs.

Note: Completed course work will be listed on a transcript; however, this is an informal program. Completion of this group of courses does not award a degree or formal certificate. However, this program of study does include all of the necessary coursework, as identified by ICAAIDA, to sit for the state licensure exam to become a licensed addictions counselor. This is an ICAAIDA approved program and are approved by the state for CEUs.

The following courses must be completed with a grade of B or better. A grade of C in any course will be grounds for dismissal from the certification program in addiction counseling. Courses need NOT be taken sequentially. A limited criminal history check must be submitted by each student before his/her first class.

- EDPS 59100 with title Theories of Addiction Counseling and Psychopathology
- EDPS 59100 with title Seminar I: Diversity, HIV/AIDS, and Dual Diagnosis
- EDPS 59100 with title Seminar II: Ethics, Criminal Justice, and Social Systems
- EDPS 59100 with title Recovery and Relapse
- EDPS 59100 with title Techniques of Addiction Counseling: Counseling Skills, Groups and Processes (screening, referral, and treatment planning)
- EDPS 59100 with title Practicum

Certificate in Expressive Arts Therapy

(15 Credit Hours)

This certificate is only open to graduate students in counseling and to counselors and social workers for the purpose of professional development.

Note: Completed course work will be listed on a transcript; however, this is an informal program. Completion of this group of courses does not award a degree or formal certificate.

The courses are all EDPS 59100 courses and include the following:
- Foundations of Expressive Arts Therapy
- Play Therapy
- Visual Arts/Imagery in Counseling
- Expressive Writing, Drama, and Movement
- Sandplay and Symbolism

Master of Science in Education (Instructional Technology Concentration)

(33 CREDITS)

Entrance gate (6 hours - must be completed before technology courses may be taken)
- EDPS 53000 Advanced Educational Psychology
- EDCI 57200 Introduction to Learning Systems Design

Technology Courses (15 hours - suggested sequence)
- EDCI 55400 Production of Instructional Materials
- EDCI 56600 Educational Applications of Hypermedia
- EDCI 57500 Foundations of Distance Learning
- EDCI 66300 Interactive Video and Multimedia
- EDCI 59100 with title Instructional Technology Leadership

Foundation Courses (6 hours - can be completed at any time)
- EDPS 53300 Introduction to Educational Research I
- OR
- EDPS 53100 Introduction to Measurement and Evaluation
- AND
- EDCI 59100 with title Human Issues in Technology

Elective (3 hours)
Any graduate level course approved by your advisor and listed in your plan of study

Capstone Project (3 hours - must be completed at end of program)
- EDCI 57300 Instructional Development Practicum

Master of Science in Education (Instructional Technology Concentration)

(33 CREDITS)

Entrance gate (6 hours)
- EDCI 57200 Introduction to Learning Systems Design
- EDCI 53100 Learning Theory and Instructional Design (see advisor)

Technology Courses (15 hours - suggested sequence)
- EDCI 59100X Foundations of Grant Writing
- EDCI 56600 Educational Applications of Hypermedia OR
- EDCI 66900 Introduction to E-Learning
- EDCI 57500 Foundations of Distance Learning
- EDCI 66300 Interactive Video and Multimedia
- EDCI 58700 Leadership & Management in Instructional Technology OR
- EDCI 59100 Instructional Technology Leadership
- EDCI 67200 Advanced Practices in Learning Systems Design

Foundation Courses (6 hours - can be completed at any time)
- EDCI 57700 Strategic Assessment and Evaluation OR
- EDCI 53100 Introduction to Measurement and Evaluation (see advisor for appropriate section)
Certification in Instructional Technology

The Instructional Technology Program is now offering a new certificate program in Instructional Technology for K-12 teachers, based in the ISTE standards adopted by the State of Indiana. Trainers and other instructional leaders in business, health, and higher education are also welcome to participate in this certificate program as well.

Note: Completed course work will be listed on a transcript; however, this is an informal program. Completion of this group of courses does not award a degree or formal certificate.

Visit the Web or contact us today to learn more about this certification opportunity!

Courses (total of 15 credit hours):
- EDCI 57200 Intro to Instructional Development and Communication
- EDCI 56600 Educational Applications of Hypermedia
- EDCI 57500 Foundations of Distance Learning
- EDCI 59100 with title Human Issues in Technology

Choose ONE of the following:
- EDCI 55400 Production of Instructional Materials
- EDCI 66300 Interactive Video
- EDCI 59100 with title Instructional Technology Leadership

Additional Coursework Available for License Renewal through the Instructional Technology program

Purdue University Calumet wants to help teachers, administrators, and other licensed educators reach their goals, learn more, and get the credits they need to renew their licenses through in-class and online coursework. Purdue Calumet allows educators currently holding a valid Indiana Teacher’s License (Those holding emergency permits cannot renew using these courses) to acquire needed academic credits in several different ways:

- Develop and teach a 15-hour, project-based workshop or instructional session for other teachers or administrator at your own school district (Pass/No Pass Option);
- Take a one credit-hour online or person-to-person learning module on a technology topic approved by Graduate Studies faculty;
- Take a three credit-hour, semester long course in Instructional Technology and Design (or other areas) online or in the traditional classroom with qualified, friendly, and helpful Graduate Studies faculty. 3 credit hour classes offered: EDCI 56000 Computers in the Classroom, EDCI 59100 Designing Instruction for the Web (online), EDCI 59100 Instructional Design for Online Education. Please contact Helen Jancich, (Jancich@purduecal.edu) for information regarding license renewal.

Indiana State License Program, Educational Administration

(37 CREDITS)

1. Foundations Block (6 hours)
   - EDPS 53000 Advanced Educational Psychology
   - EDPS 53300 Introduction to Educational Research

2. Administration (28 hours)
   (Must be taken in sequence)
   - EDF A 51200 Foundations Educational Administration
   - EDF A 60900 Legal Aspects of American Education
   - EDF A 61000 Supervision of Instruction and Instructional Personnel
   - EDF A 51600 School Community Relations
   - EDF A 59100 Legal Aspects II
   - EDCI 59100 School Curriculum
   - EDPS 66400 Seminar in Special Education (Special Education Law)
   - EDF A 59100 School Administration
   - EDF A 69500 Internship in Education (is a 4 hour course)

3. Electives (3 hours) Below are some suggestions
   (Must be in Administration, there is at least one each semester)
   - EDF A 61300 Collective Bargaining
   - EDF A 51300 Educational Facilities Planning
   - EDF A 59100 School Safety
   - EDF A 59100 with title Data-Driven School Improvement
   - EDF A 60800 with title Business Management in Education

Revised: 06-07
School of
ENGINEERING, MATHEMATICS and SCIENCE
The School of Engineering, Mathematics and Science (EMS) houses the following departments:
- Biological Sciences; 219/989-2404, Gyte Bldg., Room 298
- Chemistry and Physics; 219/989-2284, Gyte Bldg., Room 257
- Electrical and Computer Engineering; 219/989-3106, Potter Bldg., Room 121
- Mechanical Engineering; 219/989-2472, Powers Bldg., Room 211
- Mathematics, Computer Science and Statistics; 219/989-2273, Classroom Office Bldg., Rooms 315 & 316

**Associate Degree Program**
- Biology
  - Emergency Medical Services/Paramedic

**Bachelor's Degree Programs**
- Biology
  - General Biology
  - Biotechnology
  - Cell Biology/Physiology
  - Ecology
  - Microbiology
  - Predentistry
  - Premedicine
  - Preoccupational Therapy
  - Preoptometry
  - Prephysical Therapy
  - Prepharmacy
  - Preveterinary Science and Medicine
  - Secondary Science Teaching - Biology
  - Medical Technology
  - Minor in Biotechnology
  - Minor in Environmental Science
- Chemistry/Physics
  - Chemistry
  - Premedical
  - Secondary Science Teaching - Chemistry
  - Chemistry Minor
  - Secondary Science Teaching - Physics
  - Secondary Science Teaching - Physical Sciences
  - Computational Physics
  - Engineering Physics
  - Physics Minor
  - Astrophysics Minor
- Mathematics
  - Mathematics
  - Mathematics Education
  - Computer Science
  - Minor in Computer Science
  - Minor in Mathematics
  - Minor in Applied Mathematics
- Civil Engineering
- Computer Engineering
- Electrical Engineering
  - Mechatronics minor
- Interdisciplinary Engineering
- Mechanical Engineering
  - Mechatronics minor

**Graduate Certificate**
- Biotechnology
- Engineering Project Management

**Combined Bachelor's and Master's Degree Program**
- Biological Sciences

**Master's Degree Programs**
- Biology
- Biology Teaching
- Computer Science
- Engineering
- Mathematics

**Transfer Programs**
- Biology
  - Agriculture
  - Forestry

**Career Opportunities**
Graduates of Purdue Calumet's School of Engineering, Mathematics and Science may work in business, industry, government or education as a computer engineer, operations research team member, environmental and pollution controls manager, actuary, laboratory technician, structural design engineer, automotive engineer, circuit design engineer, manufacturing engineer, plant engineer, quality control engineer, system design engineer, cryptographer, chemist, physicist, science editor, numerical analyst, biological photographer, genetic engineer, middle school mathematics teacher, medical/science writer, medical illustrator, biomedical technologist, nuclear physicist, astronomer, quality control manager, high school mathematics or science teacher, civil engineer, electrical engineer and more.
Department of Biological Sciences

W. -T. Evert Ting, Interim Head. Faculty: Y. D. Choi; J. C. Creighton; T. J. Dougherty; M. C. Henson; B. Maria-Farnell; R. Sarac; C. C. Tseng; F.-S. Wang; M. I. Zimmer
Emeritus Faculty: A. M. Cheich; R. L. Peloquin; J. R. Shoup; J. F. Wermuth; R. J. Werth; K. S. Wilson
Continuing Lecturer: N. O’Keefe
Lab Coordinator: L. Levin
Specialist: L. Dorworth (Aquatic Ecology Specialist, IL-IN Sea Grant College Program).

Biology is a fascinating field that holds important keys to the future of our society. New biological research, in areas such as gene therapy, stem cells, energy production from biomass, and environmental remediation will change the way we live our lives in the near future. To help students prepare for careers in this exciting field, we are committed to excellence in our teaching and research programs.

The Department of Biological Sciences at Purdue University Calumet offers a comprehensive education that provides students with both a solid background in the breadth of the biological sciences and the flexibility to meet their needs as individuals. At the undergraduate level, we offer Bachelor of Science (BS) degrees in Biology, Biology Teaching, and Medical Technology and an Associate of Applied Science Degree in Emergency Medical Services/Paramedic. For our BS in Biology, students may choose one of the five options (General Biology, Biotechnology, Cell Biology/Physiology, Ecology, and Microbiology) and six four-year pre-professional programs (Premedicine, Predentistry, Preoptometry, Prephysical Therapy, Preoccupational Therapy, and Preveterinary Science and Medicine). In addition, we offer a two-year pre-pharmacy program and two two-year transfer programs in cooperation with the School of Agriculture at Purdue University West Lafayette. At the graduate level, we offer Master of Science (MS) degrees in Biology and Biology Teaching, for which students can choose either thesis or non-thesis options. Our graduate degrees can be used to further professional development directly, or as a bridge to additional graduate studies in the life sciences.

Our department emphasizes an integrated approach to teaching modern biology, in that faculty research is directly incorporated as an important component of student course work. We have an active and creative faculty who bring new knowledge and innovative concepts to the classroom through their research. Areas of strength in the department include molecular biology with emphasis in genetic engineering and biotechnology, cell biology, microbiology, physiology, and ecology. In these areas students utilize cutting-edge laboratory facilities and equipment to acquire hands-on experience with modern investigational and laboratory techniques as they gain a firsthand knowledge of the biological sciences. Supervised research opportunities are available for both undergraduate and graduate students and graduate teaching and research assistantships are available to support students pursuing an MS degree.

Options and Programs

- Associate of Applied Science, Emergency Medical Services/Paramedic
- Bachelor of Science, Biology:
  - General Biology Option
  - Biotechnology Option
  - Cell Biology/Physiology Option
  - Ecology Option
  - Microbiology Option
- Bachelor of Science, Biological Science Teaching
- Bachelor of Science, Medical Technology
- Preprofessional programs in Predentistry, Premedicine, Preoccupational Therapy, Preoptometry, Prephysical Therapy, and Preveterinary Science and Medicine
- Transfer programs in Agriculture and Forestry
- Minor in Biotechnology
- Minor in Environmental Science
- Master of Science, Biology
- Master of Science, Biology Teaching
- Graduate Biotechnology Certificate

Associate of Applied Science, Emergency Medical Services/Paramedic

(70 CREDITS)

This associate degree program prepares students for careers in paramedicine. The program has two components and requires at least 3 years for completion. The academic phase of the program occurs on the Purdue University Calumet campus and includes course work in the basic sciences and general studies. The clinical professional phase of the program is offered at an affiliated hospital (St. Anthony Medical Center, Crown Point, St. Mary’s Medical Center, Hobart or Methodist Hospitals, Inc., Gary, Indiana) approved to offer the paramedic curriculum.

Note: EMT (Emergency Medical Technician) training and certification must be completed prior to applying for the clinical phase.

Predclinical Phase

(32 CREDITS AT PURDUE CALUMET)

First Semester (16 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 21300</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>CHM 11900</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>ENGL 10400</td>
<td>English Composition I</td>
</tr>
<tr>
<td>MA 14700</td>
<td>Algebra and Trigonometry for Technology I</td>
</tr>
<tr>
<td>PSY 12000</td>
<td>Elementary Psychology</td>
</tr>
</tbody>
</table>

Second Semester (16 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 21400</td>
<td>Human Anatomy and Physiology II</td>
</tr>
<tr>
<td>ENGL 10500</td>
<td>English Composition II</td>
</tr>
<tr>
<td>COM 11400</td>
<td>Fundamentals of Speech Communication</td>
</tr>
<tr>
<td>PSY</td>
<td>Appropriate upper level course (consult your advisor)</td>
</tr>
<tr>
<td>Elective</td>
<td>(3 credits)</td>
</tr>
</tbody>
</table>

Note: Students with strong backgrounds in Math and/or Chemistry may substitute a higher-level course for MA 147 and/or CHM 119.

Clinical Phase

(38 CREDITS)

Successful completion of an 18-month clinical portion includes lectures, conferences, a technical preceptorship, and field experience at an affiliated school of emergency medical services/paramedic.

Note: Students must register for “Candidate Only” status at Purdue Calumet at the beginning of the semester in which they expect to complete their degree.

Bachelor of Science – Biology

(124 CREDITS)

Options are offered in General Biology, Biotechnology, Cell Biology/Physiology, Ecology, and Microbiology; Programs are offered in Premedicine, Predentistry, Prephysical Therapy, Preoccupational Therapy, and Preveterinary Science and Medicine.
DEPARTMENTS / SCHOOLS

54 | DEPARTMENTS / SCHOOLS

General Education Requirements for all Biology Degrees (33-36 credits):

**English Composition (3-6 credits)**
- ENGL 10400-10500 English Composition I & II
  OR
- ENGL 10800 Accelerated First-Year Composition

**Communication (3 credits)**
- COM 11400 Fundamentals of Speech Communication

**Humanities & Social Science (15 credits)**
Must include:
- Humanities (min. 3 credits)
- Social Sciences (min. 3 credits)
- Foreign Languages (0-6 credits)

**Mathematics (9 credits)**
- MA 22300/22400 Calculus I & II
- BIOL 33000 Biostatistics
  OR
- STAT 30100 Elementary Statistical Methods I

**Computer Science (3 credits)**
- CIS 20400, CS 34200, or any approved computer course

**Chemistry (19 credits)**
- CHM 115–116 General Chemistry I & II
  Students not prepared for CHM 11500 must take CHM 10000 first.
- CHM 255–25501 Organic Chemistry and laboratory I
- CHM 256–25601 Organic Chemistry and laboratory II
- CHM 333 Biochemistry

Ecology option students may take CHM 324 Environmental Chemistry in place of CHM 33300.

**Physics (8 credits)**
- PHYS 22000/22100 General Physics I & II

**BIOLOGY**

1. Basic Core Courses (required by all biology majors) (18 credits)
- BIOL 10100 Introductory Biology I
- BIOL 10200 Introductory Biology II
- BIOL 10700 Freshman Experience in Biological Sciences
- BIOL 24300 Introductory Cell Biology
- BIOL 24400 Genetics
- BIOL 24401 Genetics Lab
- BIOL 42800 Senior Seminar (BIOL 42600 Senior Capstone may be substituted)

2. Optional Core Courses
   A. General Biology Option — Choose 2 of the following (8 credits)
   - BIOL 31600 Basic Microbiology
   - BIOL 33300 Ecology
   - BIOL 35700 Animal Physiology
   
   B. Biotechnology Option (8 credits)
   - BIOL 31600 Basic Microbiology*
   - BIOL 50800 Recombinant DNA Technique

* BIOL 316 should be taken during the 2nd year if possible. It may be substituted for by BIOL 221 Introduction to Microbiology.

C. Cell Biology/Physiology Option (8 credits)
- BIOL 35700 Animal Physiology (Required)
- BIOL 31600 Basic Microbiology
  OR
- BIOL 33300 Ecology

D. Ecology Option (8 credits)
- BIOL 33300 Ecology (Required)
- BIOL 31600 Basic Microbiology
  OR
- BIOL 35700 Animal Physiology

3. Elective Courses
   A. General Biology Option (12 credits)
   Additional 12 credit hours of biology electives at the 30000-level or above excluding BIOL 33000 and BIOL 33900. BIOL 31600 (Basic Microbiology), BIOL 33300 (Ecology), or BIOL 35700 (Animal Physiology) can be taken as an elective course if it was not taken as an optional core course.

   B. Biotechnology Option (14 credits)
   - BIOL 35700 Animal Physiology
   - BIOL 48800 Biological Sciences Internship (Ex L)
     (Topics related to Biotechnology)
   - BIOL 48900 Biological Sciences Research (Ex L)
     (Topics related to Biotechnology)
   - BIOL 48900 Independent Student Research
     (Topics related to Biotechnology)
   - BIOL 50700 Molecular Biology
   - BIOL 52500 Neurobiology
   - BIOL 53300 Medical Microbiology
   - BIOL 53400 Medical Microbiology Laboratory
   - BIOL 56100 Immunology
   - BIOL 56600 Developmental Biology
   - BIOL 49500/59500 Special Topic/Assignments*

* Repeatable for credits. Topics may include but not limited to human cytogenetics technology, medical genetics, bioinformatics, food microbiology, environmental microbiology, tissue culture, and special assignments (research) in genetics, molecular biology, and biotechnology. Consult your advisor.

   C. Cell Biology/Physiology Option (12 credits)
   - BIOL 34200 Biological Sciences Practicum (Ex L)
     (Topics related to Cell Biology or Physiology)
   - BIOL 48800 Biological Sciences Internship (Ex L)
     (Topics related to Cell Biology or Physiology)
   - BIOL 48900 Biological Sciences Research (Ex L)
     (Topics related to Cell Biology or Physiology)
   - BIOL 48900 Independent Student Research
     (Topics related to Cell Biology or Physiology)
   - BIOL 52500 Neurobiology
   - BIOL 56600 Developmental Biology
   - BIOL 50700 Molecular Biology
   - BIOL 50800 Recombinant DNA Techniques
   - BIOL 53300 Medical Microbiology
   - BIOL 53400 Laboratory in Medical Microbiology
   - BIOL 56100 Immunology
   - BIOL 58000 Evolution
   - BIOL 49500/59500 Special Topic/Assignments*

* Repeatable for credits. Topics may include but not limited to cell/tissue culture, medical physiology, medical genetics, bioinformatics, electrophysiology, advanced cell biology, endocrinology, and special assignments (research) in cell biology and animal physiology. Consult your advisor.

   D. Ecology Option (12 credits)
   - BIOL 30400 Plant Physiology
   - BIOL 31600 Basic Microbiology (if not taken as an optional core course)
   - BIOL 35700 Animal Physiology (if not taken as an optional core course)
   - BIOL 40500 Conservation Biology
   - BIOL 47700 Phycology
   - BIOL 48800 Biological Sciences Internship (Ex L) (Topics related to Ecology)
   - BIOL 48900 Independent Student Research (Ex L) (Topics related to Ecology)
   - BIOL 50700 Molecular Biology
E. Microbiology Option (12 credits)
BIOL 47700 Phylogeny
BIOL 48800 Biological Sciences Internship (ExL) (Topics related to Cell Biology or Physiology)
BIOL 48900 Independent Student Research (ExL) (Topics related to Microbiology or Immunology)

BIOLOGY (32 credits)
BIOL 10100 Introductory Biology I
BIOL 10200 Introductory Biology II
BIOL 10700 Bio Freshman Experience
BIOL 24300 Introductory Cell Biology
BIOL 24400 Genetics
BIOL 24401 Genetics Lab
BIOL 33900 Social Issues in Biology

Biological Science Teaching (124 credits)
Offered jointly with the School of Education; see advisor in School of Education for further information.

Biology Composition (3-6 credits)
ENGL 10400/10500 English Composition I & II
ENGL 10800 Accelerated First-Year Composition

Communication (3 credits)
COM 11400 Fundamentals of Speech Communication

Humanities (3 credits)
HIST 33400 Science And Technology in Western Civilization

Mathematics (minimum 6 credits)
MA 22300/22400 Introductory Analysis I/II

Chemistry (16 credits)
CHM 11500/11600 General Chemistry I & II
*Students not prepared for CHM 11500 must take CHM 10000 first.
CHM 255-25501 Organic Chemistry and laboratory I
CHM 256-25601 Organic Chemistry and laboratory II

Physics (8 credits)
PHYS 22000/22100 General Physics I & II

Science (2 credits)
SCI 22000 Health & Safety

Biology (32 credits)
BIOL 10100 Introductory Biology I
BIOL 10200 Introductory Biology II
BIOL 10700 Bio Freshman Experience
BIOL 24300 Introductory Cell Biology
BIOL 24400 Genetics
BIOL 24401 Genetics Lab
BIOL 33900 Social Issues in Biology

Biological Sciences (3 credits)
CHM 11500/11600 General Chemistry I & II
*Students not prepared for CHM 11500 must take CHM 10000 first.
CHM 255-25501 Organic Chemistry and laboratory I
CHM 256-25601 Organic Chemistry and laboratory II
CHM 33300 Biochemistry

Physics (8 credits)
PHYS 22000/22100 General Physics I & II

Biology (32 credits)
BIOL 10100 Introductory Biology I
BIOL 10200 Introductory Biology II

Social Science (3 credits)
ENGL 10400/10500 English Composition I & II
ENGL 10800 Accelerated First-Year Composition

Humanities (3 credits)
HIST 33400 Science And Technology in Western Civilization

Mathematics (9 credits)
MA 22300/22400 Introductory Analysis I/II
BIOL 33900 Social Issues in Biology

Computer Science (3 credits)
CIS 20400, CIS 34200, or any approved computer course

Chemistry (19 credits)
CHM 11500/11600 General Chemistry I & II
*Students not prepared for CHM 11500 must take CHM 10000 first.
CHM 255-25501 Organic Chemistry and laboratory I
CHM 256-25601 Organic Chemistry and laboratory II
CHM 33300 Biochemistry

Physics (8 credits)
PHYS 22000/22100 General Physics I & II

Biology (32 credits)
BIOL 10100 Introductory Biology I
BIOL 10200 Introductory Biology II

Free Electives (up to 9 credits)
Clinical Program

(32 CREDITS)

Successful completion of 12-month clinical program at an affiliated hospital (St. Margaret Mercy Healthcare Centers, North Campus, Hammond, IN; OSF Saint Francis Medical Center, Peoria, IL; Parkview Hospital, Inc., Ft. Wayne, IN; or Hines VA Hospital, Hines, IL).

Note: Students must register for “Candidate Only” at Purdue Calumet at the beginning of the semester in which they expect to complete the B.S.

Predentistry Program

(90 CREDITS)

In order to enter dental school the student must fulfill appropriate prerequisite course requirements and have completed at least 90 semester hours. The vast majority of students who are accepted to dental school do have a Bachelor's degree. Purdue University Calumet communicates with Indiana University School of Dentistry to stay updated on this school’s admission requirements. However, it is up to the individual student to make sure that his/her program satisfies the admission requirements for any dental school that he/she applies to. After completing the courses and 90 credit hours of undergraduate work, the student can apply to dental school. Currently, applications to IU-PUI Dental School must be sent by Jan. 1st of the year the applicant plans to attend (www.iudental.iupui.edu). Deadline dates change from year to year. For more information on dental schools and the application process, go to: www.aoda.org. To apply, students must take the Dental Admission Test (DAT). Successful performance on the DAT requires completion of at least one year of college education, which should include courses in biology, general and organic chemistry, physics, anatomy, and physiology. Students who do not meet these requirements should take the DAT early in order to register for dental school.

Suggested Plan of Study

Presumably, you should take the same basic courses as those outlined for biology majors, with appropriate changes to complete all dental school prerequisites.

Purdue University Calumet Courses that meet dental school prerequisites:

**English/Communication — 6 credits**

**Basic or Introductory Statistics — 3 credits**

**Directed Independent Research Project**

Preprofessional Therapy Program

(PREPROFESSIONAL DEGREE)

Purdue University Calumet communicates with Indiana University School of Health and Rehabilitation Sciences to stay updated on this school’s admission requirements. However, it is up to the individual student to make sure that his/her program satisfies the admission requirements for any Occupational Therapy (OT) school that he/she applies to. You must have an undergraduate degree to apply to OT school. For more information on occupational therapy schools and profession, go to http://www.aota.org/.

Suggested Plan of Study

Prephysical Therapy majors should take the same basic courses as those outlined for biology majors, with appropriate changes to complete all OT prerequisites.

**MOT Prerequisites**

Basic or Introductory Statistics — 3 credits

English/Communication — 6 credits
Preoptometry Program

(90 CREDITS, INCLUDING 20 CREDITS AT THE 30000-40000 LEVEL)

Purdue University Calumet communicates with the Indiana University School of Optometry to stay updated on this school's admission requirements. However, it is up to the individual student to make sure that his/her program satisfies the admission requirements for any school that he/she applies. After completing the required courses and 90 credit hours of undergraduate work, students can apply to optometry school. Of the 90 credit hours, at least 20 must be at the 30000-40000 level. If one chooses to apply after 90 credit hours, there are additional academic requirements that must be met. Students are responsible for understanding these additional requirements and making sure that individual programs cover the needed areas. The majority of applicants have an undergraduate degree. Shadowing an optometrist is recommended. In addition, students must take the Optometry College Admission Test (OAT). For more information on prerequisites go to [http://www.copt.indiana.edu/](http://www.copt.indiana.edu/)

Biology (13 credits)
- BIOL 10100 Introductory Biology I
- BIOL 31600 Basic Microbiology

Chemistry (12 credits)
- CHM 11500/11600 General Chemistry
- CHM 25500/25501 Organic Chemistry II/ Organic Chemistry Laboratory

Physics (8 credits)
- PHYS 22000/22100 General Physics I/II

Mathematics (9 credits)
- MA 22300/22400 Intro. Analysis I/II
- BIOL 33000 Biostatistics
- STAT 30100 Elementary Statistical Methods

English (6 credits)
- ENGL 10400/10500 English Composition I/II

Humanities and Social Science (15 credits)
- Two humanities courses (6 credits)
- Two social and historical studies electives (6 credits)

Electives (14 credits; consult your advisor) Strongly recommended
- BIOL 21300/21400 Human Anatomy and Physiology II
- CHM 33300 Principles of Biochemistry

Prephysical Therapy Program

Purdue University Calumet communicates with Indiana University School of Health and Rehabilitation Sciences to stay updated on this school’s admission requirements for the Doctor of Physical Therapy Program (DPT). However, it is up to the individual student to make sure that his/her program satisfies the admission requirements for any Physical Therapy (PT) school that he/she applies. Students must have an undergraduate degree to apply to PT school. Physical Therapy is a very competitive program (http://www.apta.org).

Suggested Plan of Study

Prephysical Therapy majors should take the same basic courses as those outlined for biology majors, with appropriate changes to complete all PT prerequisites.

PT Prerequisites
- General College Chemistry* — 2 courses w/lab
- General College Physics* — 2 courses w/lab
Human Anatomy w/lab — minimum 4 credits
Human Physiology w/lab — minimum 4 credits
Introductory Psychology — 3 credits
Basic or Introductory Statistics — 3 credits
Lifespan Human Development — 3 to 9 credits
Humanities/Social Sciences — 6 credits;
ALL prerequisite coursework must be completed with a grade of ‘C’ or higher.

**Exposure to Physical Therapy**
In addition to prerequisite course work students must complete observational, volunteer or other work experiences in both inpatient and outpatient physical therapy settings (minimum equivalent of one day, 8 hours) in order to appreciate the differences in physical therapists’ responsibilities in each setting. Each experience must be of sufficient length of time to enable the supervising physical therapist to adequately complete the IU DPT Program’s Generic Abilities Assessment Form included as part of the Application Portfolio. (from [www.shr.juap.edu/physical_therapy](http://www.shr.juap.edu/physical_therapy))

**Recommended Courses**
- Medical Terminology
- Abnormal Psychology
- Biomechanics/Kinesiology
- Computer Literacy

Criteria Used for Selection of Class: Minimum GPA of 3.2 and prerequisite GPA of 3.2.

**Preveterinary Science and Medicine Program**
(MINIMUM 25 CREDITS)
The preveterinary science and medicine curriculum includes courses that are required for admission to the Doctor of Veterinary Medicine degree program offered by the Purdue University School of Veterinary Medicine. This program of study is coordinated by the College of Agriculture Office of Academic Programs in West Lafayette. The program emphasizes the biological and physical sciences that are foundations for successful study of veterinary medicine. Also, the curriculum includes courses in communication and the social sciences. Therefore, the course in this curriculum may meet the admission requirements of other veterinary schools; however students need to consult with the admission requirement of the veterinary school, which they intend to apply.

**English (3-6 credits)**
- ENGL 10400/10500 English Comp. I
  OR
- ENGL 10800 Adv. Freshman Comp.
  (for qualified students instead of 10400/10500)

**Communication (3 credits)**
- COM 11400 Fundamentals of Speech Communication

**Humanities**
- (9 credits; 3 credits in each of foreign languages, cognitive science, and social science)

**Mathematics (9 credits)**
- MA 22300/22400 Introductory Analysis I/II (calculus)*
  OR
- BIOL 33000 Biostatistics
  OR
- STAT 30100 Elementary Statistical Methods

*Students not prepared for MA 22300/22400 must take MA 15300/15400 (Algebra and Trigonometry I/II) first.

**Physics (8 credits)**
- PHYS 22000/22100 General Physics I/II

**Chemistry (9 credits)**
- CHM 11500/11600 General Chemistry I/II*
  *Students not prepared for CHM 11500 must take CHM 10000 first.
- CHM 25500/25501 Organic Chemistry/Laboratory I
- CHM 25600/25601 Organic Chemistry/Laboratory II
- CHM 33300 Biochemistry

**Animal Science (3 credits)**
- ANSC 22100 Principles of Animal Nutrition

**Biology (21 credits)**
- BIOL 10100/10200 Introductory Biology I/II
- BIOL 10700 Freshmen Experience in Biological Sciences
- BIOL 24300 Introduction to Cell Biology
- BIOL 24400/24401 Genetics/Laboratory
- BIOL 31600 Basic Microbiology
  OR
- BIOL 22100 Introduction to Microbiology

**Recommended Electives (0-24 credits)**
- BIOL 33300 Ecology
- BIOL 35700 Animal Physiology
- BIOL 38300 Conservation Biology
- BIOL 34200 Biological Sciences Practicum (Ex L)
- BIOL 48800 Biological Sciences Internship (Ex L)
- BIOL 48900 Independent Student Research (Ex L)
- BIOL 50700 Molecular Biology
- BIOL 50800 DNA Recombinant Technique
- BIOL 52400 Microbiology
- BIOL 52500 Neurobiology
- BIOL 53300/53400 Medical Microbiology & Laboratory
- BIOL 56100 Immunology
- BIOL 56600 Developmental Biology
- BIOL 58000 Evolution
- BIOL 59300 Ethology
- BIOL 49500/59500 Special Assignments*
- ENGL 22000 Technical Report Writing
- ENGL 42000 Business Writing
- PHIL 32400 Ethics for the Professions

* Repeatable for credits. Topics may include, but are not limited to endocrinology, food microbiology, medical genetics, medical physiology, amnion, and special assignments. Consult your advisor.

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**General Agriculture Transfer Program**
(60 CREDITS)
More than 40 programs are offered by the School of Agriculture, Purdue University West Lafayette. Calumet students may complete one-two years of study in these programs by taking coursework offered through the Department of Biological Sciences at Purdue University Calumet. Students can then transfer to the West Lafayette campus to complete a bachelor’s degree. Requirements vary in different agriculture options. See advisor for further details. The following is a sample program.

**English Composition (3-6 credits)**
- ENGL 10400/10500 English Composition I & II
  OR
- ENGL 10800 Accelerated First-Year Composition

**Communication (3 credits)**
- COM 114 Fundamentals of Speech Communication

**Mathematics (9 credits)**
- MA 22300/22400 Calculus I & II
  OR
- BIOL 33000 Biostatistics
  OR
- STAT 30100 Elementary Statistical Methods

**Chemistry (8 credits)**
- CHM 11500/11600 General Chemistry I & II
  *Students not prepared for CHM 11500 must take CHM 10000 first.

**Biology (9 credits)**
- BIOL 10100 Introductory Biology I
- BIOL 10200 Introductory Biology II
- BIOL 10700 Freshmen Experience
- BIOL 33300 Ecology

**Electives (25 credits)**
Consult your advisor.
Preforestry Transfer Program  
(60 CREDITS)

Students may qualify for admission to the Department of Forestry and Natural Resources, School of Agriculture, at Purdue University West Lafayette by completing two years of courses offered through the Department of Biological Sciences at Purdue University Calumet.

English Composition (3-6 credits)
ENGL 10400/10500 English Composition I & II
OR
ENGL 10800 Accelerated First-Year Composition

Communication (3 credits)
COM 11400 Fundamentals of Speech Communication

Mathematics (9 credits)
MA 22300/22400 Calculus I & II
BIOL 33000 Biostatistics
Or STAT 30100 Elementary Statistical Methods I

Chemistry (8 credits)
CHM 11500/11600 General Chemistry I & II
*Students not prepared for CHM 11500 must take CHM 10000 first.

Biology (13 credits)
BIOL 10100 Introductory Biology I
BIOL 10200 Introductory Biology II
BIOL 10700 Biol Freshman Experience
BIOL 33300 Ecology

Electives (17-20 credits)
Consult your advisor

Minor in Biotechnology  
(23 CREDITS)

Biotechnology is the science of the 21st century. The biotechnology minor is available to non-biology majors who wish to gain basic knowledge and skills in this field.

BIOL 10100 Introductory Biology*
CHM 11500/11600 General Chemistry I & II
BIOL 24300 Cell Biology
Or
BIOL 31600 Basic Microbiology*
BIOL 24400 Genetics
BIOL 24401 Genetics Lab
BIOL 50800 Recombinant DNA Techniques**

*The Biology 10200 requirement which is necessary for majors will be waived for the minor.
**BIOL 24300 or BIOL 31600 and BIOL 24400 and BIOL 24401 will prepare students for BIOL 50800.

Minor in Environmental Science  
(18 CREDITS)  PROGRAM COORDINATOR: PROF. YOUNG D. CHOI

Environmental Science is an interdisciplinary study that uses information and knowledge from life sciences (such as biology), physical sciences (e.g., chemistry, geology, and physics), and social sciences (e.g., economics, politics, and ethics) to learn how the Earth's environment works, how our environment affects us, how we affect our environment, and how to deal with the environmental challenges we face. Although the Program is housed in the School of Engineering, Mathematics and Science, it is open to all Purdue Calumet students. Any Purdue Calumet student may become an environmental science minor by submitting a completed Student Curriculum Update/Change form (indicating the minor code KSE) to the Registrar. The Program aims to provide students with opportunities for gaining (1) a knowledge of the natural environment and how it is influenced by human society along with critical thinking skills, (2) exposure to modern and traditional technology in environmental subjects, and (3) “real world” experience through an internship or capstone project. The Program's curriculum consists of 18 credits (6 credits in core courses and 12 credits in elective courses) as listed below. A majority of the 18 credits can be fulfilled by the courses that are taken for general education requirements, the student's major requirements, and elective courses. Therefore, it is possible to complete the Environmental Science Minor curriculum with no or very few additional courses beyond the graduation requirement of the student's major.

Core Courses  (6 credits)
SCI 20200 Environmental Science - 3 credits
SCI 49XXX Environmental Science Internship
OR
Senior/capstone/research project with an environmental emphasis in the student's major (3 credits)

Elective Courses  (12 credits: must include a minimum of 6 credits from outside of the student's major)
BIOL 21000 Field Biology
BIOL 33300 Ecology
BIOL 38300 Conservation Biology*
BIOL 58700 Biogeography*
BIOL 58000 Evolution
BIOL 58800 Plant Ecology*
BIOL 58900 Laboratory in Plan Ecology*
BIOL 59100 Field Ecology*
CE 20100 Surveying & GIS*
CE 35400 Introduction to Environmental Engineering
CHM 32400 Environmental Chemistry*
EAS 22000 Physical Geography
EAS 22300 Ocean Studies
EAS 22400 Weather Studies
ECON 31100 Environmental Economics*
HIST 56200 Environmentalism in United States History*
POL 22300 Environmental Policy
POL 52200 Energy, Politics, and Public Policy*
POL 52300 Environmental Politics and Public Policy*
SCI 10300 Survey of the Biological World
SCI 10400 Introduction to Environmental Biology
SCI 13100 Science & Environment
SCI 31500 Environmental Science for Elementary Education

Any course on the subject of the environment, upon approval of the program coordinator
*These courses have prerequisites.

Master of Science in Biology  
(30 CREDITS)

Master of Science in Biology Teaching  
(30 CREDITS)

Special Admission Requirements: Graduate Record Examination (GRE) scores.

Degree Requirements

Plan of Study
A plan of study should be submitted to the Graduate School shortly after acceptance into the program. A Graduate Advisory Committee will work closely with the student to design a program suited to the student’s needs.

Options
Non-Thesis Option
Twenty-nine credits in formal courses and special assignments (independent study, research and reading) and one credit in seminar. The special assignment credits (independent study, research and reading) cannot exceed six; and the reading credits cannot exceed three. Of the total of thirty credits, twenty-one credits must in the primary area of biology at 50000 and 60000 levels and 9 credits in supporting areas. The supporting areas include biology (outside of the primary area), statistics, computer science, mathematics, chemistry, and physics. Up to six credits can be taken from 4000-level formal courses as a part of the supporting area requirement. For biology teaching, the secondary area should be education. Students exercising this option must pass a written comprehensive exam for the degree.
**Thesis Option**

Twenty-one credits in formal courses, one credit in seminar, and eight credits in thesis research. Up to three credits of thesis research can be substituted by special assignment (independent study, research and reading). Of the total of thirty credits, twenty-one credits must in the primary area of biology at 50000 and 60000 levels and nine credits in supporting areas. The supporting areas include biology (outside of the primary area), statistics, computer science, mathematics, chemistry, and physics. Up to six credits can be taken from 40000-level formal courses as a part of the supporting area requirement. Students exercising this option must submit a formal research proposal, conduct the research, write a thesis, and pass an oral defense before a faculty committee.

**Required Cumulative Index**

GPA of 3.0 or higher. A grade of “B” or better is required in all courses in the primary area. The degree must be completed in 10 semesters within 5 years.

**Transfer of Credit**

A maximum of 9 credits taken from other accredited institutions completed within 10 years prior to completion of degree program may be accepted for supporting area. Only credit hours associated with graduate courses for which grades of B or better were obtained will be eligible for transfer. Check with the Purdue University Graduate School website (www.gradschool.purdue.edu/downloads/facstaff/2004PPpdf) for details.

**Combined Bachelor of Science and Master of Science Degree Program in Biological Sciences**

Students graduating from this combined program will receive both the Bachelor of Science and Master of Science degrees in Biological Sciences in five years, as compared to the six years needed to complete the degrees separately. This is accomplished by offering a supervised and seamless transition from the Bachelor of Science curriculum to the Master of Science curriculum that is designed to better enable our graduates to prepare for competitive positions in today’s job market and/or admission to doctoral level graduate or professional schools.

**Degree Requirements**

Students may apply for admission to the program in their third year and will be carefully evaluated to ensure that they meet all university graduation requirements, including the completion of at least 32 credit hours at the 30000-level or above, for a Bachelor of Science degree. The Bachelor of Science/Master of Science combined curriculum consists of all required courses for the Bachelor of Science in Biological Sciences, including the biology core courses (18 credits), two of three biology elective core courses (8 credits), biology electives (a minimum of 12 credits of 30000 level or above), as well as all of the current graduate course requirements of the traditional Master’s program.

The requirements for admission to the combined program are more stringent than the admission standards for the traditional Master of Science program. Students are required to maintain a minimum 3.25 GPA for the first 80 credit hours of course work and a grade of B or higher in all biology basic core courses in the plan of study, in order to be conditionally admitted. Final admission to the graduate program requires that the student has a minimum 3.25 overall GPA, a minimum 3.25 GPA in all biology basic core courses, and receives a B or higher grade in each of the graduate courses taken during his/her senior year. However, the application requirement of the traditional Master of Science program to take the GRE is waived.

The total credit hours required for this combined degree program will be 145 for those students awarded both Bachelor of Science and Master of Science degrees. The traditional Bachelor of Science in Biological Sciences requires 124 hours and the Master of Science in Biological Sciences requires 30 hours, for a total of 154 hours. The combined program allows an overlap of 9 credit hours, thereby reducing the number of required hours to 145 and making it possible for qualified students to complete both degrees in five years. The graduate portion of the combined program offers both thesis and non-thesis options. The combined program allows students the option of receiving both degrees together, upon completion of the combined curriculum, or to receive the Bachelor of Science degree first upon completion of the undergraduate curriculum and the Master of Science degree later upon completion of the graduate plan of study. Students can choose to leave the combined program during the graduate portion of their study and still be eligible to receive the Bachelor of Science degree.

**Graduate Biotechnology Certificate**

(16 CREDIT HOURS)

The Graduate Certificate in Biotechnology is offered to students with a bachelor's degree who wish to obtain advanced training in areas of biology that pertain to biotechnology. The certificate program is open to new students as well as students currently enrolled in a Master of Science degree program. Students who enter this program may have a variety of interests, including biochemistry, bioengineering, microbiology, molecular biology, cell biology, developmental biology, or molecular evolution. Students who are enrolled in the M.S. degree program are also eligible for receiving the Certificate upon request and completion of the course work.

Since biotechnology is a very broad field covering a wide variety of major growth sectors, such as medicine (therapeutics and diagnostics), agriculture (crop and livestock improvement), food (processing and specialty chemicals), and bioremediation (waste and contaminants disposal), students who complete the Certificate program will have opportunities to pursue their career in any of the subfields. Regardless of the students' eventual career goals, the expected outcomes of this program are to prepare all students with the fundamental knowledge of molecular biology and its techniques that are essential for employment or advanced studies related to biotechnology. Therefore the requirements of Molecular Biology and Recombinant DNA Techniques are necessary.

Students completing the required courses will then be able to pursue additional training in their areas of interests. For example, those who are interested in molecular biology may take courses in Bioinformatics and Research in Molecular Biology. Those who are interested in clinical genetics may take Medical Genetics and Human Cytogenetics Technology, and those who are interested in microbiology may take Food Microbiology, Medical Microbiology, and Environmental Microbiology.

**Certificate Requirements**

A Plan of Study for the Graduate Biotechnology Certificate Program (GS Form 6) must be completed and approved by the Advisory Committee and the Graduate Coordinator one semester prior to the completion of the certificate program.

**Required courses (6 credits):**

- BIOL 50700 Molecular Biology (3)
- BIOL 50800 Recombinant DNA Techniques (3)

**Elective courses (a minimum of 10 credits):**

- BIOL 59500 Environmental Microbiology (3)
- BIOL 59500 Medical Genetics (3)
- BIOL 59500 Human Cytogenetics Technology (4)
- BIOL 56600 Developmental Biology (4)
- BIOL 52500 Neurobiology (4)
- BIOL 56100 Immunology (3)
- BIOL 59500 Bioinformatics (3)
- BIOL 53300/53400 Medical Microbiology (5)
- BIOL 59500 Food Microbiology (4)
- BIOL 59500 Research (variable credits)
The Department of Chemistry and Physics offers degree programs in Chemistry and in Physics. All of these programs include courses with a significant experiential component.

Bachelor of Science in Chemistry degree — Premedical and Chemistry options. The latter degree option is accredited by the American Chemical Society. Graduation with this degree meets the eligibility requirements for membership in the American Chemical Society. This program provides a thorough training in the fundamental principles and basic experimental techniques of chemistry. The Chemistry option is recommended for students who will continue to study or work in chemistry or the natural sciences. The Premedical Option is appropriate for those who will pursue professional study in health-related areas like medicine or pharmacy.

Bachelor of Science degree, Chemistry Teaching, Physics Teaching, or Physical Science Teaching. These programs are offered in cooperation with the School of Education, intended for those wishing certification to teach the physical sciences at the secondary level in Indiana. These programs provide students with a good background in chemistry and physics as well as those education courses which meet the standards mandated by the Indiana Professional Standards Board.

Bachelor of Science degree in Physics, with Options in Physics, Engineering Physics and Computational Physics. These degree options provide strong preparation for those intending to pursue professional careers in physics and related areas. All the options provide a strong background in physics. The General Physics option provides students with an exposure to other sciences; the Engineering Physics option augments students’ physics training with a minor in Electrical Engineering; the Computational Physics option provides students with a minor in Computer Science in addition to their physics education.

Research Opportunities in Chemistry
In addition to the Cooperative education described below, students may get experience in laboratory procedures and scientific research by working on research projects directed by the chemistry faculty. Areas of research include the biochemistry of complex carbohydrates of the skin, nanotechnology, environmental studies, molecular electronics, organometallics, analytical chemistry, materials science, polymer chemistry, drug design, physical biochemistry, synthetic and theoretical organic chemistry. Chemistry students are encouraged to talk with faculty about research opportunities. Student projects often are funded by the University’s Undergraduate Research Program.

The Department sponsors a Student Affiliate Chapter of the American Chemical Society, which hosts seminars, lectures, and other special events. Cooperative education, often in the form of internships sponsored by regional industrial companies, is also available for qualified students. In this program, students have the opportunity to combine learning with on-the-job training.

Research Opportunities in Physics
Many physics students participate in research projects directed by physics faculty including both experimental and theoretical topics. Several students have continued their research at national research labs, such as Argonne and Fermilab in nearby Illinois. The physics faculty has research interests in high energy physics, astronomy, astrophysics, and several areas of theoretical physics. Physics students are encouraged to talk with faculty about research opportunities. Student projects often are funded by the University’s Undergraduate Research Program.

Cooperative education, often in the form of internships sponsored by regional industrial companies, is also available for qualified students. In this program, students have the opportunity to combine learning with on-the-job training.

The Society of Physics Students has an active student chapter sponsored by the Department. A physics seminar provides students with a window on current research in physics and physics applications.

Programs
- Bachelor of Science in Chemistry, Chemistry Option (124 credits)
- Bachelor of Science in Chemistry, Premedical Option (124 credits)
- Bachelor of Science, Physics Teaching Option (128 credits)
- Bachelor of Science, Chemistry Teaching Option (128 credits)
- Bachelor of Science, Physics, with options in Physics, Engineering Physics, and Computational Physics (124 credits)
- Bachelor of Science, Physical Science Teaching Option (128 credits)
- Minor in Astrophysics (18 credits)
- Minor in Chemistry (24 credits)
- Minor in Physics (18 credits)

Bachelor of Science in Chemistry: Chemistry Option
(124 CREDITS)

General Requirements for all Chemistry degrees:
1. English and Communication
   - ENGL 10400 English Comp. I (Grade of A) AND English elective
   OR
   - ENGL 10400 / 10500
   - COM 11400 Fundamentals of Speech Communication
2. Science and Mathematics
   - A. Science (Chemistry: 44 credits; Physics: 9 credits)
     - CHM 11500 General Chemistry I
   - B. Science and Mathematics (124 credits)
     - CHM 11600 General Chemistry II
     - CHM 19400 Freshman Chemistry Orientation
     - CHM 24100 Introductory Inorganic Chemistry
     - CHM 25501 Organic Chem. Lab. I
     - CHM 25601 Organic Chem. Lab. II
     - CHM 26100 Organic Chemistry I
     - CHM 26200 Organic Chemistry II
     - CHM 26600 Organic Chem. Laboratory
     - CHM 29400 Sophomore Chem. Seminar
     - CHM 32100 Analytical Chem. I
     - CHM 33300 Biochemistry
     - CHM 37300 Physical Chem. I
     - CHM 37400 Physical Chem. II
CHM 37600 Physical Chem. Lab.
CHM 42400 Analytical Chem. II
CHM 49400 Junior-Senior Chemistry Seminar
PHYS 15200 Mechanics
PHYS 25100 Heat, Electric., and Optics

B. Math (14 credits)
MA 16300 Integrated Calculus and Geom. I
MA 16400 Integrated Calculus and Geom. II
MA 26100 Multivariate Calculus

3. Humanities and Social Sciences (18 credits)
A two-course sequence from group A or group B, two courses from the other group,
and any other two courses from A or B:
A. Literature, History, Philosophy, Foreign Languages, Art, Music, Theater
B. Anthropology, Psychology, Sociology, Political Science, Economics

4. Free Electives (30 credits)
Students are encouraged to include as many chemistry electives, especially special assignments (research), as possible:
CHM 21500 Laboratory Health and Safety
CHM 31800 Biomolecular NMR Spectroscopy/Magnetic Resonance Imaging
CHM 32400 Environmental Chemistry
CHM 34200 Inorganic Chemistry
CHM 34300 Inorganic Chemistry Lab.
CHM 44400 Cosmochemistry
CHM 49900 Special Assignments/Research
CHM 51300 Chemical Literature
CHM 53300 Introductory Biochemistry I
CHM 53400 Introductory Biochemistry II
CHM 53500 Introductory Biochem. Lab.
CHM 54800 Radiochemistry
CHM 54900 Radiochemistry Lab.
CHM 56100 Organic Chemistry
CHM 56200 Industrial Organic Chemistry
CHM 56300 Organic Chemistry
CHM 56400 Introduction to Polymer Chemistry
CHM 59900 Special Assignments

Bachelor of Science: Physical Science Teaching Option
(128 CREDITS)

Chemistry (19 or 20 credits)
CHM 11500 General Chemistry I
CHM 11600 General Chemistry II
CHM 25501 Organic Chemistry Laboratory I
CHM 25601 Organic Chemistry Laboratory II
CHM 26100 Organic Chemistry
CHM 26200 Organic Chemistry
CHM 32100 Analytical Chemistry I
OR
CHM 32400 Environmental Chemistry

Physics (13 credits)
PHYS 15200 Mechanics
PHYS 15100 Heat, Electric., and Optics
PHYS 34200 Modern Physics
PHYS 34300 Modern Physics Lab.

Science (2 credits)
SCI 22000 Health and Safety in the Physical Science Laboratory

Miscellaneous Science Courses (13 credits)
CHM 19400 OR Freshman Orientation
PHYS 19400
ASTR 26300, 26400, (choose two)
26500, 36300, 36400
BIOL 10100 Introductory Biology
EAS 11000 OR 22000 Geology or Physical Geography
Mathematics (17 credits)
- MA 16300 Integrated Calculus and Analytic Geometry I
- MA 16400 Integrated Calculus and Analytic Geometry II
- MA 26100 Multivariate Calculus
- MA 26400 Differential Equations

Social Sciences (3 credits)
- PSY 36200 Human Development II: Adolescence

English (6 credits)
- ENGL 10400 English Composition I
- ENGL 10500 English Composition II

Communications (3 credits)
- COM 14000 Fundamentals of Speech Communication

Humanities (6 credits)
- HIST 33400 Science and Technology in Western Civilization II
- POL 30400 Technology and Society

Education (42 credits)
- EDCI 20500 Exploring Teaching as a Career
- EDCI 26000 Introduction to Computers in Education
- EDPS 22000 Psychology of Learning
- EDPS 26000 Introduction to Special Education
- EDCI 28500 Multiculturalism and Education
- EDCI 30900 Reading in the Middle and Secondary School
- EDCI 32000 Principles of Practice in Elementary & Secondary Schools
- EDCI 34600 Strategies of Science Instruction in the Senior High School
- EDCI 35500 Teaching and Learning in the K-12 Classroom
- EDPS 37000 Teaching Students with Diverse Needs in the K-12 Classroom
- EDCI 48900/49700 Student Teaching

Electives (as needed, 9 minimum)

Bachelor of Science: Physics Teaching Option
(128 CREDITS)

Chemistry (8 credits)
- CHM 11500 General Chemistry I
- CHM 11600 General Chemistry II

Physics (28 credits)
- PHYS 15200 Mechanics
- PHYS 19400 Freshman Physics Orientation
- PHYS 25100 Heat, Electricity, and Optics
- PHYS 31000 Intermediate Mechanics
- PHYS 31100 Quantum Physics
- PHYS 32200 Intermediate Optics
- PHYS 33000 Intermediate Electricity and Magnetism
- PHYS 34200 Modern Physics
- PHYS 34300 Modern Physics Lab

Miscellaneous Science Courses (10 credits)
- ASTR 26300, 26400, (choose one) 26500, 36300, 36400
- BIOL 10100 Introductory Biology
- EAS 11000 or 22000 Geology or Physical Geography
- SCI 22000 Health and Safety in the Physical Science Laboratory

Mathematics (20 credits)
- MA 16300 Integrated Calculus and Analytic Geometry I
- MA 16400 Integrated Calculus and Analytic Geometry II
- MA 26100 Multivariate Calculus
- MA 26400 Differential Equations
- MA 26500 Linear Algebra

Communication & English Composition (9 credits)
- COM 14000 Fundamentals of Speech Communication

Plus one of the following three options:
- ENGL 10400/10500 English Comp. I/II
- ENGL 10300 OR 10800 A dv. Freshman Comp. AND a writing-intensive course approved by the student’s academic advisor
- ENGL 10400 (with a grade of A) AND a writing-intensive course approved by the student’s academic advisor
### Communications (3 credits)
- COM 11400  Fundamentals of Speech Communication

### Humanities (6 credits)
- HIST 33400  Science and Technology in Western Civilization II
- POL 30400  Technology and Society

### Education (36 credits)

<table>
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<th>Course</th>
<th>Description</th>
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<td>EDFA 20000</td>
<td>History &amp; Philosophy of Education</td>
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<tr>
<td>EDPS 22000</td>
<td>Psychology of Learning</td>
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<td>EDPS 36600</td>
<td>Use of Assessment in the Classroom</td>
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<td>EDCI 32300</td>
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<tr>
<td>EDCI 48900/49700</td>
<td>Student Teaching</td>
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### Electives (as needed)

#### Chemistry Minor Option
(24 CREDITS)

1. **Chemistry Core:**
   - CHM 11500 **AND** General Chemistry I & II
   - CHM 11600

2. **Chemistry Electives:**
   - A minimum of sixteen credit hours of chemistry courses beyond general chemistry is required. These credit hours must include both lecture and laboratory courses chosen from two or more areas of chemistry: analytical, biochemistry, inorganic, organic, and physical. Advanced special topic courses and up to 3 credits of CHM 49990 (undergraduate research) may also be used to fulfill this requirement Bachelor of Science.

#### Physics Major Option
(124 CREDITS)

1. **Communication & English Composition (9 credits)**
   - COM 11400  Fundamentals of Speech Communication

   Plus one of the following three options:
   - ENGL 10300/10800  English Comp. I & II
   - ENGL 10400  Adv. Freshman Comp. AND a writing-intensive course approved by the student’s academic advisor
   - ENGL 10800  Adv. Freshman Comp. AND a writing-intensive course

2. **Humanities and Social Sciences (18 credits)**
   - A two-course sequence from group A or group B; two courses from the other group, and any two other courses from A and B:
     - A. Literature, History, Philosophy, Foreign Languages, Art, Music, Theater
     - B. Anthropology, Psychology, Sociology, Political Science, Economics

3. **Mathematics & Computer Science (29 credits)**
   - MA 16300  Integ. Calculus and Geom. I
   - MA 16400  Integ. Calculus and Geom. II
   - MA 26100  Multivariate Calculus
   - MA 26400  Differential Equations
   - MA 26500  Linear Algebra
   - CS 12300  Programming I: Java
   - CS 12400  Programming II: C++

   Math Elective recommended choices:
   - MA 31200  Probability
   - MA 31500  Introductory Abstract Mathematics
   - MA 34800  Discrete Mathematics
   - MA 47200  Introductory Applied Mathematics

4. **Physics (35 credits)**
   - PHYS 15200  Mechanics
   - PHYS 19400  Freshman Physics Orientation
   - PHYS 25100  Heat, Electricity and Optics
   - PHYS 29400  Sophomore Physics Seminar
   - PHYS 31000  Intermediate Mechanics
   - PHYS 31100  Quantum Physics I
   - PHYS 32200  Intermediate Optics
   - PHYS 34200  Modern Physics
   - PHYS 34300  Modern Physics Lab.
   - PHYS 38000  Advanced Lab
   - PHYS 49400  Junior-Senior Physics Seminar
   - PHYS 51500  Thermodynamics

5. **Chemistry (8 credits)**
   - CHM 11500  General Chemistry I
   - CHM 11600  General Chemistry II

6. **Electives (17-19 credits)**

   Recommended:
   - PHYS 30500  Intermediate Math Physics
   - PHYS 41200  Quantum Physics
   - ASTR 36300  Intermediate Astronomy I
   - ASTR 36400  Intermediate Astronomy II

### Bachelor of Science in Physics: Computational Physics Option
(127 CREDITS)

1. **Communication and English Composition (9 credits)**
   - COM 11400  Fundamentals of Speech Communication

   Plus one of the following three options:
   - ENGL 10400/10500  English Comp. I/II
   - ENGL 10300 OR 10800  Adv. Freshman Comp. AND a writing-intensive course approved by the student’s academic advisor
   - ENGL 10400  (with a grade of A) AND a writing-intensive course approved by the student’s academic advisor

2. **Humanities and Social Sciences (18 credits)**
   - A two-course sequence from group A or group B; two courses from the other group, and any two other courses from A and B:
     - A. Literature, History, Philosophy, Foreign Languages, Art, Music, Theater
     - B. Anthropology, Psychology, Sociology, Political Science, Economics

3. **Mathematics (26 credits)**
   - MA 16300  Integ. Calculus and Geom. I
   - MA 16400  Integ. Calculus and Geom. II
   - MA 26100  Multivariate Calculus
   - MA 26400  Differential Equations
   - MA 26500  Linear Algebra

   Math Elective recommended choices:
   - MA 31200  Probability
   - MA 31500  Introductory Abstract Mathematics
   - MA 34800  Discrete Mathematics
   - MA 47200  Introductory Applied Mathematics

4. **Computer Science (18 credits, satisfies the requirements for a CS minor)**
   - CS 12300  Programming I: Java
   - CS 12400  Programming II: C++
   - CS 22300  Computer Architecture and Assembly Language
   - CS 27500  Data Structures
   - CS 30200  Operating Systems
Bachelor of Science Physics: Engineering Physics Option
(124 CREDITS)

1. Communication & English Composition (9 credits)
   COM 11400 Fundamentals of Speech Communication
   Plus one of the following three options:
   ENGL 10400/10500 English Comp. I/II
   ENGL 10300 OR 10800 A dv. Freshman Comp. AND a writing intensive course
   approved by the student’s academic advisor
   ENGL 10400 (with a grade of A) AND a writing-intensive course
   approved by the student’s academic advisor

2. Humanities and Social Sciences (18 credits)
   A two-course sequence from group A or group B, two courses from the other group, and any two other courses from A and B:
   A. Literature, History, Philosophy, Foreign Languages, Art, Music, Theater
   B. Anthropology, Psychology, Sociology, Political Science, Economics

3. Mathematics (26 credits)
   MA 16300 Integ. Calculus and Geom. I
   MA 16400 Integ. Calculus and Geom. II
   MA 26100 Multivariate Calculus
   MA 26400 Differential Equations
   MA 26500 Linear Algebra
   Math Elective recommended choices:
   MA 31200 Probability
   MA 31500 Introductory Abstract Mathematics
   MA 34000 Discrete Mathematics
   MA 47200 Introductory Applied Mathematics

4. Physics (35 credits)
   PHYS 15200 Mechanics
   PHYS 19400 Freshman Physics Orientation
   PHYS 25100 Heat, Electricity and Optics
   PHYS 29400 Sophomore Physics Seminar
   PHYS 31000 Intermediate Mechanics
   PHYS 31100 Quantum Physics I
   PHYS 32000 Intermediate Mechanics
   PHYS 33000 Intermediate Elect. Magnet.
   PHYS 34000 Intermediate Astronomy
   PHYS 35000 Intermediate Astronomy II
   PHYS 49400 Junior-Senior Physics Seminar
   PHYS 51500 Thermodynamics

5. Chemistry (8 credits)
   CHM 11500 General Chemistry I
   CHM 11600 General Chemistry II

6. Engineering/Electrical Engineering (18 credits)
   EE 20100 Linear Circuit Analysis I
   EE 20200 Linear Circuit Analysis II
   EE 20700 Elect. Measure Techniques
   EE 21800 Linear Circuits Lab. II
   EE 27500 Electronics-Devices
   EE 33500 Electronics-Systems
   ENGR 23300 Microcomputers in Engineering
Department of Electrical and Computer Engineering

N. Houshangi, Head. Faculty: M. Anan; C. Apostoaia; B. G. Burridge (Emeritus); B. Chen; H. L. Gerber (Emeritus); R. L. Gonzales (Emeritus); K. Gopalan; D. L. Gray; T. I. Hentea (Emeritus); D. Kozel; E. S. Pierson; X. Yang; F. Azizi (Visiting); B. Smida (Visiting)

Electrical and computer engineers help to improve the quality of life, the productivity of industry and individuals, and the standard of living for everyone. Engineers are problem-solvers, using science, mathematics, and technology in their solutions. Most solutions involve thinking, computing, innovating, building, and teamwork with other professionals. Graduates from the bachelor or masters program may choose a career involving design, development, research, manufacturing, testing, or a combination of these. Electrical and computer engineering graduates are in great demand, and starting salaries are excellent.

The undergraduate curriculum leads to a Bachelor of Science in Computer Engineering, Electrical Engineering, or Electrical Engineering with a minor in Mechatronics. The first semester courses are the same for all engineering students, the first three semesters are the same for all electrical and computer engineering students. Then, students specialize in Computer or Electrical Engineering, both accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET). An Interdisciplinary Engineering Option allows students to design their own programs to meet their career needs, such as pre-law or pre-medicine. The flexibility of the engineering program allows students interested in other engineering disciplines not offered at Purdue Calumet, such as aerospace, chemical, etc., to complete one to two years of study before transferring to another university.

The Purdue Calumet graduate engineering curriculum leads to a Master of Science in Engineering degree, and/or a Graduate Certificate in Engineering Project Management. Graduates of engineering or related programs are also welcome to take individual courses for professional development and technical currency without pursuing a graduate degree.

Reasons to major in Electrical or Computer Engineering at Purdue University Calumet. Engineering at Purdue Calumet provides an opportunity to earn an internationally-respected Purdue Engineering Degree from a program with excellent job placement and high starting salaries. Engineering classes are small and are taught by qualified faculty members dedicated to teaching or adjunct faculty who have many years of industrial experience. Most faculty members also engage in research, consulting, or other professional activities, and participate in professional engineering societies. Many faculty have received outstanding teaching, research, and service awards. The state of the art laboratory facilities, along with the many laboratory courses, provides a mechanism for students to gain hands-on experience that will aid their understanding of the engineering and scientific theories taught in the lectures. Courses are provided both days and evenings on a publicized schedule to meet the needs of both full-time and part-time students. Incoming students are assigned to an advisor familiar with the problems and special needs of new students. After choosing a major, the student receives an experienced engineering faculty advisor. The programs prepare students for life and for the engineering profession. The electrical and computer engineering programs offer a cost-effective, quality program that was ranked among the top 50 of the Best Undergraduate Engineering Programs at Non-Doctoral Schools in the 2011 U.S. News and World Report.

Senior Engineering Design Projects. A capstone, one-year project for all seniors provides the opportunity to work in multi-disciplinary teams to pursue an engineering idea from conception to design, fabrication, and testing. The senior projects provide a transition from university study to the real world of engineering work, building on Purdue Calumet’s strength in experiential education. Many of the project ideas come from local industry. Special equipment available for senior design projects includes digital image processing systems, virtual reality software, a visualization and simulation lab, personal computers, an array of engineering software packages and data acquisition capability, programmable logic devices, digital signal processing boards, micro-controllers, high-frequency systems, electric drives and power electronics, and specialized electronic tools and software.

Undergraduate Research, Professional Experience Programs and Cooperative Education. Strong partnerships with industry and funded research provide great opportunities for undergraduate as well as graduate student research. The Professional Experience Program, internships, and other experiential learning programs provide opportunities for students to gain relevant work experience by part-time employment while attending school part-time, or by full-time employment. The Co-op program provides engineering students with the opportunity to work in the engineering profession while obtaining their degree. All provide students practical experience while earning money to pay for their education. These opportunities make the education more meaningful for students and make the students more attractive to employers when they graduate, thus improving employment opportunities.

Graduate Internship in Engineering. The Graduate Internship program allows students who have been accepted into the Master of Science in Engineering program to work part-time in the engineering profession while attending the University and working toward a degree. Students will have the opportunity to compile a portfolio of their experience.

Programs

- Bachelor of Science in Electrical Engineering*
- Bachelor of Science in Electrical Engineering with a minor in Mechatronics**
- Bachelor of Science in Computer Engineering*
- Bachelor of Science in Engineering, Interdisciplinary Engineering Option
- Master of Science in Engineering
- Master of Science in Engineering with ECE Specialization
- Graduate Certificate in Engineering Project Management

*Accredited by the Engineering Accreditation Commission of ABET (EAC-ABET)
**Accredited as a subset of Electrical Engineering.

Computer and Electrical Engineering Program Educational Objectives

The Computer Engineering curriculum provides a broad education in the fundamentals of Computer Engineering. Students may pursue a general program or may choose a specialization in areas such as Computer Hardware or Computer Software.

The Electrical Engineering curriculum provides a broad education in the fundamentals of Electrical Engineering. Students may pursue a general program or may choose a specialization in areas such as Communication and Signal Processing, Computer Systems, Control Systems, or Power and Energy systems. There is a minor in mechatronics.

The educational objectives are to provide each graduate with:

1. Engineering Competence — Graduates are competent and engaged professionals in their field.
2. Continuous Learning Skills — Graduates continue developing professionally.
3. Professional Skills — Graduates demonstrate teamwork and leadership skills, and are contributors in their profession.
4. Societal Awareness — Graduates recognize the societal, ethical, and global impacts of their work.
### Bachelor of Science in Electrical Engineering or Computer Engineering

**Special Admission Requirements.**

Students must have adequate preparation in mathematics and chemistry to complete the freshman year in two semesters.

**Math**

All new students must take a math placement exam. Students with no high school trigonometry or low placement score should take MA 15900.

**Chemistry**

Students without one year of high school chemistry with an average grade of ‘C’ or better should take CHM 10000 prior to CHM 11500.

### Requirements common for Bachelor of Science in Computer Engineering or Electrical Engineering

| 1. English and Communication |  |
|------------------------------|  |
| ENGL 10400 English Composition I |  |
| COM 11400 Fundamentals of Speech |  |
| COM/ENGL 30700 Written and Oral Communication for Engineers |  |
| 2. Science and Mathematics |  |
| CHM 11500 General Chemistry |  |
| PHYS 15200 Mechanics |  |
| PHYS 26100 Electricity Optics |  |
| MA 16300 Calculus and Analytic Geometry I |  |
| MA 16400 Calculus and Analytic Geometry II |  |
| MA 26100 Multivariate Calculus |  |
| MA 26400 Differential Equations |  |
| MA 26500 Linear Algebra |  |
| 3. Humanities and Social Sciences (12 credits) |  |
| Required |  |
| PHIL 32400 Ethics for the Professions |  |
| POL 30500 Technology and Society |  |
| Subject areas not acceptable are skills courses such as writing and speaking, accounting, industrial management, personal finance, ROTC, and personnel administration. Credit is not allowed for a student’s native language. |  |
| 4. General Engineering |  |
| ENGR 15100 Software Tools for Engineers |  |
| ECE 15200 Programming for Engineers |  |
| ENGR 18600 Engineering Freshman Seminar |  |
| ENGR 19000 Elementary Engineering Design |  |
| ECE 31200 Engineering Economics and Project Management |  |
| ECE 42900 Senior Engineering Design I |  |
| ECE 43900 Senior Engineering Design II |  |
| 5. Electrical and Computer Engineering |  |
| ECE 20100 Linear Circuit Analysis I |  |
| ECE 20200 Linear Circuit Analysis II |  |
| ECE 20700 Electronic Measurement Techniques |  |
| ECE 21800 Linear Circuits Laboratory II |  |
| ECE 23300 Microcomputers in Engineering |  |
| ECE 27500 Analog and Digital Electronics |  |
| ECE 30100 Signals and Systems |  |
| ECE 30200 Probabilistic Methods in Electrical Engineering |  |
| ECE 31100 Electric and Magnetic Fields |  |
| ECE 37000 Digital Systems—Logic Design |  |

In addition to the above requirements, the computer and electrical programs have their own required courses as listed below.

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### Bachelor of Science in Computer Engineering

(127 CREDITS) EAC OF ABET ACCREDITED

Requirements common for Bachelor of Science in Computer Engineering or Electrical Engineering plus:

1. **Electrical and Computer Engineering**
   - ECE 25100 Object Oriented Programming
   - ECE 37100 Computer Organization & Design
   - ECE 44800 Introduction to Communication Theory

2. **Computer Science**
   - CS 27500 Data Structures
   - CS 30900 Discrete Mathematical Structures

3. **Computer Engineering Electives**
   - Five courses from a list approved by the Engineering Undergraduate Committee.*

*The list of electives is available in the Department of Electrical and Computer Engineering office (Pott 121) and at www.purdue.edu/engr/electives.pdf

### Bachelor of Science in Electrical Engineering

(127 CREDITS) EAC OF ABET ACCREDITED

Requirements common for Bachelor of Science in Computer Engineering or Electrical Engineering plus:

1. **Electrical and Computer Engineering**
   - ECE 33500 Electronics—Systems
   - ECE 38400 Linear Control Systems
   - ECE 44800 Introduction to Communication Theory

2. **Electrical and Computer Engineering Electives**
   - Four courses from a list approved by the Engineering Undergraduate Committee.*

3. **Engineering Elective**
   - One Engineering (any) course approved by the Engineering Undergraduate Committee.*

4. **Engineering/Science Elective**
   - One Engineering (any) or Science course from a list approved by the Engineering Undergraduate Committee.*

5. **Technical Electives**
   - One course in Engineering (any), Science, Mathematics, Computer Science, Statistics, or Management from a list approved by the Engineering Undergraduate Committee.*

*The list of electives is available in the Department of Electrical and Computer Engineering office (Pott 121) and at www.purdue.edu/engr/electives.pdf

### Bachelor of Science in Electrical Engineering with a minor in Mechatronics

(127 CREDITS) EAC OF ABET ACCREDITED

Requirements common for the Bachelor of Science in Electrical Engineering with the seven electives (four Electrical and Computer Engineering, Engineering, Engineering/Science, and Technical) replaced by:

- ME 27100 Basic Mechanics I: Statics
- ME 27500 Basic Mechanics II: Dynamics
- ME 32500 Dynamics of Physical Systems
- ECE 38000 Computers in Engineering Analysis
- ECE 42600 Electric Drives

Two courses from a list approved by the Engineering Undergraduate Committee.*

*The list of the electives is available in the Department of Electrical and Computer Engineering office (Pott 121) and at www.purdue.edu/engr/electives.pdf

### Bachelor of Science in Engineering, Interdisciplinary Engineering Option

(128 CREDITS)

The Interdisciplinary Engineering Option provides a maximum degree of flexibility for those students who want this flexibility and do not require an ABET-accredited degree. The degree features a strong, broad engineering problem-solving base in both electrical and mechanical engineering with the ability to tailor the large number of technical electives toward each student's specific interests and/or goals. It is particularly appropriate for those students planning to pursue post-graduate education in law, management, medicine, pharmacy, etc. For the course list, see the Department of Electrical and Computer Engineering (Pott 121) or www.purdue.edu/ee/BS_IDE_option.pdf.
**Master of Science in Engineering**

(PURDUE UNIVERSITY CALUMET)

Purdue University Calumet offers a graduate curriculum leading to the Master of Science in Engineering degree with specialization in Electrical and Computer Engineering, Mechanical Engineering, and Interdisciplinary Engineering. Courses are available in computer, electrical, mechanical, civil, metallurgical, and industrial engineering. The program has the flexibility to allow students to elect courses in one or several engineering disciplines.

**Assistantships**

Teaching and research assistantships are available to qualified graduate students.

**Special Admission Requirements**

1. Bachelor’s degree in Engineering from an institution accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET). Other students having adequate mathematical preparation with bachelor’s degrees in non-engineering fields may be admitted on a conditional basis—they must complete 18–27 credits in the engineering field of their choice for the Master’s degree with a GPA of 3.0/4.0 or better before being considered for full admission.

2. Undergraduate GPA of 3.0/4.0 or better. Conditional admission may be granted to students with lower GPAs, with the stipulation that they must receive a grade of B or better for the first 9 credits of graduate work. Some students may be advised to complete prerequisite or additional courses which will not count toward their degree.

3. Post-baccalaureate admission. Students may enroll to meet individual needs for continuing education rather than for pursuing a degree. Enrollment as a post-baccalaureate student does not imply later approval for degree-seeking status, nor does it guarantee acceptance toward a degree of credit taken as a post-baccalaureate student.

**Degree Requirements**

1. **Non-thesis Option:** 30 semester credits, with at least 18 credits of primary graduate-level engineering courses.

2. **Thesis Option:** 30 semester credits, with 9 credits for the thesis research and at least 18 credits of graduate-level engineering courses.

3. GPA of 3.0/4.0 for all courses on the approved plan of study. Some advisory committees may require grades higher than C in specific courses.

4. An advisory committee with at least three members and at least one member to represent a related engineering area. Students will consult with a major advisor assigned upon admission.

5. A plan of study established in consultation with the major advisor or professor and reviewed by members of the advisory committee, and the chair of the Graduate Committee.

**Credit for Pre-Admission Course Work:** A maximum of 12 semester credits of courses with grades of B or better and satisfying course requirements on the approved plan of study may be used, subject to approval of the student’s advisory committee. This limit applies to all pre-admission course work, including post-baccalaureate credit at Purdue, undergraduate excess credit, and transfer credit.

**Time limit on reentry:** A new plan of study must be approved if a student is inactive in the program for five years, usually excluding courses previously taken.

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**Graduate Certificate in Engineering Project Management**

The Graduate Certificate in Engineering Project Management can be earned by completing four courses from the following graduate courses:

- Advanced Engineering Project Management (Required)
- Advanced Engineering Economics (Required)
- Quality Control
- Industrial Applications of Statistics
- Systems Engineering

All course taken for the certificate can be used for the Master of Science in Engineering degree if admitted to that program.

Admission to the certificate program requires a Bachelor’s degree in Engineering or approval of the Engineering Graduate Coordinator.
Minor in Environmental Science
(18 CREDITS)*

Program Coordinator: Prof. Young D. Choi

Environmental Science is an interdisciplinary study that uses information and knowledge from life sciences (such as biology), physical sciences (e.g., chemistry, geology, and physics), and social sciences (e.g., economics, politics, and ethics) to learn how the Earth’s environment works, how our environment affects us, how we affect our environment, and how to deal with the environmental challenges we face. Although the Program is housed in the School of Engineering, Mathematics and Science, it is open to all Purdue Calumet students. Any Purdue Calumet student may become an environmental science minor by submitting a completed Student Curriculum Update/Change form (indicating the minor code KSE) to the Registrar. The Program aims to provide students with opportunities for gaining (1) a knowledge of the natural environment and how it is influenced by human society along with critical thinking skills, (2) exposure to modern and traditional technology in environmental subjects, and (3) “real world” experience through an internship or capstone project. The Program’s curriculum consists of 18 credits (6 credits in core courses and 12 credits in elective courses) as listed below. A majority of the 18 credits can be fulfilled by the courses that are taken for general education requirements, the student’s major requirements, and elective courses. Therefore, it is possible to complete the Environmental Science Minor curriculum with no or very few additional courses beyond the graduation requirement of the student’s major.

Core Courses (6 credits)
- NRES 20200 Concepts of Environmental Science (3 credits)
- NRES 49100 Environmental Internship (3 credits)
  OR
- Senior/capstone/research project with an environmental emphasis in the student's major (3 credits)*

Elective Courses (12 credits; must include a minimum of 6 credits from outside of the student's major)
- BIOL 21000 Field Biology
- BIOL 33300 Ecology
- BIOL 38300 Conservation Biology*
- BIOL 58700 Biogeography*
- BIOL 58800 Plant Ecology*
- BIOL 58900 Laboratory in Plant Ecology*
- BIOL 59100 Field Ecology*
- CE 20100 Surveying & GIS*
- CE 35400 Introduction to Environmental Engineering
- CHM 32400 Environmental Chemistry*
- EAS 22000 Physical Geography
- EAS 22300 Ocean Studies
- EAS 22400 Weather Studies
- ECON 31100 Environmental Economics*
- HIST 56200 Environmentalism in United States History*
- POL 22300 Environmental Policy
- POL 52200 Energy, Politics, and Public Policy*
- POL 52300 Environmental Politics and Public Policy*
- SCI 10300 Survey of the Biological World
- SCI 10400 Introduction to Environmental Biology
- SCI 13100 Science & Environment
- SCI 31500 Environmental Science for Elementary Education

Any course on the environmental subject upon approval of the program coordinator
*These courses have prerequisites.
Department of Mathematics, Computer Science, and Statistics

Catherine M. Murphy, Department Head. Faculty: G. Aryal; R.D. Bechtel (Emeritus); Y.C. Chen (Emeritus); T.S. Chihara (Emeritus); J.J. Coffey; A. Elmendorf; J. Gregg; H. Hosok (Emeritus); B.L. Jahn-Schaffrath (Emeritus); N.L. Johnson; R.L. Kraft; W.C. Lordan (Emeritus); J.P. McLaughlin (Emeritus); R.R. Merkovsky; G. Millsaps; C. Murphy; N. Relich (Emeritus); W. Ruan; Nicolae Tarfulea; Nicoleta Tarfulea; D.J. Troy (Emeritus); P. Turbek; D. Underwood-Gregg; M. Weinhold; E.B. Yackel (Emeritus); J. Yackel (Emeritus); S. Yang; R.L. Yates (Emeritus); R. Zhang; H. Zhao

Continuing Lecturers: A. Ayebo; R. Dubec; N. Elias; J. Johnson; M. Leonard; D. Murcek; J. Smith

A careers-for-today-and-the-future approach provides the framework for programs in the department of mathematics, computer science, and statistics. All programs are based on an understanding of mathematics as one of humankind’s most impressive intellectual achievements. Mathematics is a balance of art and science which enriches other areas of human endeavor and draws from these areas some seeds of its own, thus continuing growth. Computer Science and Statistics, with roots deep in the traditions of mathematics, are exciting, rapidly expanding fields which provide the basis for many contemporary applications which affect us daily in such areas as commerce, industry, medicine, and environmental issues. Mathematics education focuses on deep conceptual understanding of mathematical content knowledge and on the psychological and sociological aspects of mathematics learning. Within each degree and option, majors choose a blend of mathematics, computer science, and statistics appropriate to building strong foundations for professional development.

Undergraduate majors in the department select from three options of study to meet a variety of interests and goals. The department also offers all students at Purdue a computer science instruction in the areas of mathematical sciences they will need in their chosen fields of study.

The Master of Science in Mathematics is a strong program in mathematics for students employed in business, industry, or government as well as those students planning to teach at two-year colleges or to pursue a Ph.D. degree in mathematics or mathematics education.

The Master of Science in Computer Science is the program that prepares students for rewarding careers in computer science by laying the foundations for developing expertise in algorithm analysis and implementing sophisticated practical applications.

Programs

- Bachelor of Science: Core Mathematics, Mathematics Education, and Computer Science
- Master of Science in Mathematics
- Master of Science in Computer Science

Bachelor of Science Programs

All majors must satisfy the following general degree requirements. Mathematics courses below MA 163 do not count toward graduation. All required Mathematics, Computer Science, and Statistics courses must be passed with a grade of C or better. All students must successfully complete two (2) courses designated as Experiential Learning (Ex). General Education courses must be chosen from a list of courses approved by the University Senate.

Bachelor of Science, Core Mathematics

(124 CREDITS)

Core Mathematics provides preparation for graduate study in mathematics, employment in business, industry or government. It also prepares one for advanced work in other fields where strong mathematical backgrounds are valuable—for example, science, finance, educational research, psychology, law, and medicine.

1. General Education Requirements (52-56 credits)

A. English Composition (6 credits)
ENGL 10400 and ENGL 10500
B. Communications (3 credits)
COM 11400
C. Science (12 - 16 credits)
Four approved lab science courses of which at least two must have a lab component
D. Humanities and Social Sciences (30 credits)
Six approved credits from each of four of the five following areas, with the other six approved credits distributed in the humanities and social sciences courses by the student.

i) Literature, Philosophy, Aesthetics
(MUS 25000; THTR 20100; PHIL 10600; ABD 25500 only)

ii) History, Political Science

iii) Economics (Econ 25100 or Econ 25200)

iv) Sociology, Psychology

v) Foreign Language

E. Freshman Seminar — MA 10000 (1 credit)

2. Required Mathematics, Computer Science, and Statistics Courses (47 credits)

MA 16300 Integrated Calculus and Analytic Geometry I (5 cr.)
MA 16400 Integrated Calculus and Analytic Geometry II (5 cr.)
MA 26100 Multivariate Calculus (4 cr.)
MA 26400 Differential Equations
MA 26500 Linear Algebra
MA 31200 Probability
MA 31500 Introduction to Abstract Mathematics
MA 33000 Concepts in Geometry
MA 34800 Discrete Mathematics
MA 44600 Introduction to Real Analysis
MA 45300 Elements of Algebra
MA 47200 Introduction to Applied Mathematics
CS 20600 Computer Algebra and Programming
STAT 34500 Statistics

3. Minor Area

18 credits including at least three courses beyond the introductory level.

Bachelor of Science, Mathematics Education

(126-129 CREDITS)

Mathematics Education provides the mathematical preparation necessary for teaching secondary school mathematics in Indiana. Requirements for teacher certification vary from state-to-state. Requirements for other states may be obtained by writing to the Certification Office, Department of Teacher Education, in the capital city of the state of interest. Graduation in this program is open only to those who fulfill all the academic requirements for licensure to teach mathematics in Indiana schools.

1. General Education Requirements (43-46 credits)

A. English Composition (6 credits)
ENGL 10400 and ENGL 10500

B. Communications (3 credits)
COM 11400
C. Science (9–12 credits)
Three approved lab science courses including one life science and one physical science. At least two of the science courses must have a lab component.

D. Humanities and Social Sciences (24 credits)
Three approved credits must be chosen from the humanities: literature, history, philosophy, foreign languages, art, music, theater.
Three approved credits must be chosen from social sciences: anthropology, psychology, sociology, political science, economics.
Six approved credits must be chosen from each of the following five areas. The remaining credit hours (if any) in this area may be distributed in humanities and social sciences courses by the student.

i) Literature, Philosophy, Aesthetics
(MUS 25000, THTR 20100, PHIL 10600, A&D 25500 only)

ii) History, Political Science

iii) Economics (ECON 25100 or ECON 25200)

iv) Sociology, Psychology

v) Foreign Language

E. Freshman Seminar — MA 10000 (1 credit)

2. Required Mathematics, Computer Science, and Statistics Courses (47 credits)

MA 16300 Integrated Calculus and Analytic Geometry I (5 cr.)
MA 16400 Integrated Calculus and Analytic Geometry II (5 cr.)
MA 26100 Multivariate Calculus (4 cr.)
MA 26400 Differential Equations
MA 26500 Linear Algebra
MA 31200 Probability
MA 31500 Introduction to Abstract Mathematics
MA 33000 Concepts in Geometry
MA 34800 Discrete Mathematics
MA 44600 Introduction to Real Analysis
MA 45300 Elements of Algebra
MA 47200 Applied Mathematics
CS 20600 Computer Algebra and Programming
STAT 34500 Statistics

3. Professional Education Courses (36 credits)

EDJA 20000 History and Philosophy of Education
EDPS 22000 Psychology of Learning
EDPS 26000 Introduction to Special Education
EDCI 35500 Teaching and Learning in the K–12 Classroom
EDCI 36600 Use of Assessment in K–12 Classroom
EDPS 37000 Teaching Students with Diverse Learning Needs
EDCI 34400 Mathematics Teaching in Middle School, Jr. High, High School
EDCI 32300 Educational Technology for Teaching and Learning
EDCI 49702 Professional Semester (12 credits)

Bachelor of Science, Computer Science
124 CREDITS

Computer Science is a young and rapidly developing field. As a result, the curriculum must be revised frequently to keep it up to date. Please check with the department for the latest information.

The computer science program prepares students for a wide variety of professional opportunities in business, industry, and government where the computer scientist is involved in applying, designing, and implementing application software, programming languages, computer graphics systems, computer operating systems, internet/distributed computing systems, new computer algorithms. This program also prepares students for graduate study in computer science.

1. General Education Requirements (46–49 credits)

A. English Composition (6 credits)
ENGL 10400 and ENGL 10500

B. Communications (3 credits)
COM 11400

C. Science (9–12 credits)
Three approved lab science courses of which at least two must have a lab component.

D. Humanities and Social Sciences (27 credits)
Six approved credits from each of four of the following five areas, with the other three approved credits in a humanities and social sciences course chosen by the student.

i) Literature, Philosophy, Aesthetics
(MUS 25000, THTR 20100, PHIL 10600, A&D 25500 only)

ii) History, Political Science

iii) Economics

iv) Sociology, Psychology

v) Foreign Language

E. Freshman Seminar — MA 10000 (1 credit)

2. Required Mathematics Courses (20 credits)

MA 16300 Integrated Calculus and Analytic Geometry I (5 credits)
MA 16400 Integrated Calculus and Analytic Geometry II (5 credits)
MA 26100 Multivariate Calculus (4 credits)
MA 26500 Linear Algebra
MA 31200 Probability

3. Required Computer Science Courses (42 credits)

CS 12300 Programming I: Java
CS 12400 Programming II: C++
CS 22300 Computer Architecture and Assembly Language
CS 27500 Data Structures
CS 30200 Operating Systems
CS 30900 Discrete Mathematical Structures
CS 31600 Programming Languages
CS 33200 Algorithms
CS 40400 Distributed Systems
CS 41000 Automata and Computability
CS 41600 Software Engineering
CS 42000 Senior Design Project
CS 44200 Database Systems
CS 45500 Computer Graphics

Minor offered by the Department of Mathematics, Computer Science, and Statistics

The department offers two minors in mathematics and a minor in computer science. These are valuable complements to many fields of study.

Minor in Computer Science
18 CREDITS

CS 12300 Programming I: Java
CS 12400 Programming II: C++
CS 22300 Computer Architecture and Assembly Language
CS 27500 Data Structures
CS 30200 Operating Systems
One of the following
CS 31600 Programming Languages
CS 33200 Algorithms

OR
One 4000-level CS course.

NOTE: MA 15900 or MA 16300 is a co-requisite for CS 12300. MA 16300 is a prerequisite for CS 27500.

Minor in Mathematics
23 CREDITS

MA 16300 (5 credits) Integrated Calculus and Analytic Geometry I
MA 16400 (5 credits) Integrated Calculus and Analytic Geometry II
MA 26100 (4 credits) Multivariate Calculus
MA 265 00  Linear Algebra
MA 31500  Introduction to Abstract Mathematics
One of the following:
MA 45300  Elements of Algebra
MA 44600  Real Analysis

Minor in Applied Mathematics
(23 CREDITS)
MA 16300 (5 credits)  Integrated Calculus and Analytic Geometry I
MA 16400 (5 credits)  Integrated Calculus and Analytic Geometry II
MA 26100 (4 credits)  Multivariate Calculus
MA 26400  Differential Equations
MA 26500  Linear Algebra
MA 47200  Applied Mathematics

GRADUATE PROGRAMS
Master of Science in Mathematics
(33 CREDITS)
Special Admission Requirements
Strong undergraduate program in mathematics, including linear algebra, abstract algebra, advanced
analysis, and differential equations.

Special Program Requirements
1. No more than six credits of coursework with grade of “C.”
   “B” average must be maintained.
2. All courses taken as a temporary student must post grades of “A” or “B.”
3. Plan of Study submitted to Student’s Advisory Committee before the end
   of nine semester credits; must be approved by the Graduate School before the student
   registers for the semester in which the degree is to be awarded.

Degree Requirements
1. Five Core Courses
   MA 52500  Intro. Complex Analysis
   MA 54000  Analysis I
   MA 54100  Analysis II
   MA 55300  Intro. Abstract Algebra
   MA 55400  Linear Algebra
2. Statistics
   One approved course
3. Approved Electives (5 courses)
   Up to six credits may be chosen from approved courses in other departments.

Transfer of credit: No more than three courses accepted from other institutions.

Master of Science in Computer Science
(30 CREDITS)
Description
The Master of Science in Computer Science integrates fundamental theoretical concepts with sophis-
ticated practical applications. Graduates will be prepared for employment in the field, and, for those
students who are so interested, for further studies in computer science.
Students must have the necessary prerequisite knowledge to undertake the study of advanced computer
science topics.

Program Requirements
1. No more than six credits of coursework with a grade of “C.”
   “B” average must be maintained.
2. All courses taken as a temporary student must post grades of “A” or “B.”
3. Plan of Study submitted to Student’s Advisory Committee before the end of nine
   semester credits; must be approved by the Graduate School before the student
   registers for the semester in which the degree is to be awarded.
4. No more than three courses accepted from other institutions may be used on
   a Plan of Study. Please refer to the section on graduate study for other regula-
tions governing graduate study at Purdue Calumet.

Degree Requirements:
Core Courses (9 credits)
   --Compiling and Programming Systems
   --Operating Systems
   --Algorithm Design, Analysis, and Implementation

Electives (21 credits)
   7 approved courses.

Department Head
E-mail:  cmmurphy@purduecal.edu

Undergraduate Advisor
E-mail:  johnsonn@purduecal.edu

Graduate Advisor M.S. in Mathematics: Catherine Murphy
E-mail:  cmmurphy@purduecal.edu

Graduate Advisor M.S. in Computer Science: Hairong Zhao
E-mail:  hairong@purduecal.edu
Civil and mechanical engineers help to improve the quality of life, the productivity of industry and individuals, and the standard of living for everyone. Engineers are problem-solvers, using science, mathematics, and technology in their solutions. Most solutions involve thinking, calculating, innovating, building, and teamwork with other professionals. Graduates from the bachelor's or masters programs may choose a career involving design, development, research, manufacturing, testing or a combination of these. Civil and mechanical engineering graduates are in great demand and their starting salaries are excellent.

The undergraduate curriculum leads to a Bachelor of Science in Civil Engineering, Mechanical Engineering, or Mechanical Engineering with a minor in Mechatronics. The first semester courses are the same for all engineering students. Then, students specialize in Civil or Mechanical Engineering, the latter accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET). The Civil Engineering program cannot be accredited until at least one year after the first graduates. An Interdisciplinary Engineering Option allows students to design their own programs to meet their career needs, such as pre-law or pre-medicine. The flexibility of the engineering program allows students interested in other engineering disciplines not offered at Purdue Calumet, such as aerospace, chemical, etc., to complete one to two years of study before transferring to another university.

The Purdue Calumet engineering graduate curriculum leads to a Master of Science in Engineering degree, and/ or a Graduate Certificate in Engineering Project Management. Graduates of engineering or related programs are also welcome to take individual courses for professional development and technical currency without pursuing a graduate degree.

Reasons to major in Civil or Mechanical Engineering at Purdue University Calumet. Engineering at Purdue Calumet provides an opportunity to pursue an internationally-respected Purdue Engineering Degree from a program with excellent job placement and high starting salaries. Engineering classes are small and are taught by qualified faculty members dedicated to teaching or adjunct faculty who have many years of industrial experience. Most faculty members also engage in research, consulting, or other professional activities, and participate in professional engineering societies. Many faculty have received outstanding teaching, research, and service awards. The state of the art laboratory facilities provide a mechanism for students to gain hands-on experience that will aid their understanding of the engineering and scientific theories taught in the lectures. Courses are provided both days and evenings on a publicized schedule to meet the needs of both full-time and part-time students. Incoming students are assigned to an advisor familiar with the problems and special needs of new students. After choosing a major, the student receives an experienced engineering faculty advisor. The programs prepare their graduates for life and for the engineering profession. The civil and mechanical engineering programs offer a cost-effective, quality program that was ranked among the top 50 of the Best Undergraduate Engineering Programs at Non-Doctoral Schools in the 2011 US News and World Report.

Senior Engineering Design Projects. A capstone, one-year project for all seniors provides the opportunity to work in multi-disciplinary teams to pursue an engineering idea from conception to design, fabrication, and testing. The senior projects provide a transition from university study to the real world of engineering work, building on Purdue Calumet’s strength in experiential education. Many of the project ideas come from local industry. Special equipment available for senior design projects includes personal computers with an array of engineering software packages such as data acquisition capability, rapid prototyping and computer-aided design (CAD), computational fluid dynamics (CFD), finite element analysis (FEA), and specialized civil engineering software. Also available are fatigue and strength testing equipment including tensile, creep, and impact testing machines, heat-treating equipment, metrology equipment, optical and scanning electron microscopes, a wind tunnel, robotics, nanofluids system, a visualization and simulation lab, a well-equipped soils lab, a survey lab, a hydrology and hydraulics lab, and a complete machine shop including CNC machines.

Undergraduate Research, Professional Experience Programs, and Cooperative Education. Strong partnerships with industry and funded research provide great opportunities for undergraduate as well as graduate student research. The Professional Experience Program, internships, and other experiential learning programs provide opportunities for students to gain relevant work experience by part-time employment while attending school part-time, or by full-time employment. The Co-op program provides engineering students with the opportunity to work in the engineering profession while obtaining their degree. All provide students practical experience while earning money to pay for their education. These opportunities make the education more meaningful for students and make the students more attractive to employers when they graduate, thus improving employment opportunities.

Graduate Internship in Engineering. The Graduate Internship program allows students who have been accepted into the Master of Science in Engineering program to work part-time in the engineering profession while attending the University and working toward a degree. Students will have the opportunity to compile a portfolio of their experience.

Programs

- Bachelor of Science in Civil Engineering
- Bachelor of Science in Mechanical Engineering*
- Bachelor of Science in Mechanical Engineering with a minor in Mechatronics**
- Bachelor of Science in Engineering, Interdisciplinary Engineering Option
- Master of Science in Engineering
- Master of Science in Engineering with ME Specialization
- Graduate Certificate in Engineering Project Management

*Accredited by the Engineering Accreditation Commission of ABET (EAC/ABET)
**Accredited as a subset of Mechanical Engineering
Civil and Mechanical Engineering Program Educational Objectives

The Civil Engineering curriculum provides a broad education in the fundamentals of Civil Engineering. Students may pursue a general program or may choose to specialize in Environmental, Structural, or Transportation areas.

The Mechanical Engineering curriculum provides a broad education in the fundamentals of Mechanical Engineering. Students may pursue a general program or may choose a specialization in areas such as Thermal and Fluid Sciences, Solid Mechanics, or Mechatronics.

The educational objectives provide each graduate with:
1. Engineering Competence — Graduates are competent and engaged professionals in their field.
2. Continuous Learning Skills — Graduates continue developing professionally.
3. Professional Skills — Graduates demonstrate teamwork and leadership skills, and are contributors in their profession.
4. Societal Awareness — Graduates recognize the societal, ethical, and global impacts of their work.

Bachelor of Science in Civil Engineering

(127 CREDITS)

Special Admission Requirements
Students must have adequate preparation in mathematics and chemistry to complete the freshman year in two semesters.

Math
All new students must take a math placement exam. Students with no high school trigonometry or low placement score should take MA 15900.

Chemistry
Students without one year of high school chemistry with an average grade of ‘C’ or better should take CHM 10000 prior to CHM 11500.

1. English and Communication
   ENGL 10400 English Composition I
   COM 11400 Fundamentals of Speech
   COM/ENGL 30700 Written and Oral Communication for Engineers

2. Science and Mathematics
   CHM 11500 General Chemistry
   PHYS 15200 Mechanics
   PHYS 26100 Electricity Optics
   MA 16300 Calculus and Analytic Geometry I
   MA 16400 Calculus and Analytic Geometry II
   MA 26100 Multivariate Calculus
   MA 26400 Differential Equations
   MA 26500 Linear Algebra
   STAT 34500 Statistics
   Science Elective

3. Humanities and Social Sciences (12 credits)
   PHIL 324 Ethics for the Professions
   POL 305 Technology and Society
   The balance (6 credits) is selected by the student and advisor to give the student an opportunity to explore areas within the humanities and social sciences. Credit for ECON 21000 is not allowed. Subject areas not acceptable are skills courses such as writing and speaking, accounting, industrial management, personal finance, ROTC, and personnel administration. Credit is not allowed for a student’s native language.

4. General Engineering
   ENGR 15100 Software Tools for Engineers
   ENGR 18600 Engineering Freshman Seminar
   ENGR 19000 Elementary Engineering Design
   CE 11500 Engineering Drawing I
   CE 11600 Engineering Drawing II
   ME 31100 Engineering Economics and Project Management
   ME 42900 Senior Engineering Design I
   ME 43900 Senior Engineering Design II

5. Civil Engineering
   CE 20100 Surveying & G.I.S
   CE 27101 Basic Mechanics I: Statics
   CE 27300 Mechanics of Materials
   CE 27500 Basic Mechanics II: Dynamics
   CE 31200 Fluid Mechanics
   CE 31300 Fluid Mechanics Laboratory
   CE 32200 Introduction to Construction Engineering
   CE 32300 Soil Engineering
   CE 33400 Structural Analysis
   CE 34200 Engineering Hydrology and Hydraulics
   CE 35100 Intro to Transportation Engineering
   CE 35400 Intro to Environmental Engineering
   CE 47100 Reinforced Concrete Design

6. Mechanical Engineering
   ME 34500 Mechanical Engineering Experimentation

7. Materials Science
   CE 20400 Civil Engineering Materials

8. Civil Engineering Elective *
   Three courses from a list approved by the Engineering Undergraduate Committee.*

**The list of electives is available in the Department of Mechanical Engineering office (Powers 211) and at www.purdue.edu/engr/electives.pdf

Bachelor of Science in Mechanical Engineering

(127 CREDITS) EAC OF ABET ACCREDITED

Special Admission Requirements
Students must have adequate preparation in mathematics and chemistry to complete the freshman year in two semesters.

Math
All new students must take a math placement exam. Students with no high school trigonometry or low placement score should take MA 15900.

Chemistry
Students without one year of high school chemistry with an average grade of ‘C’ or better should take CHM 10000 prior to CHM 11500.

1. English and Communication
   ENGL 10400 English Composition I
   COM 11400 Fundamentals of Speech
   COM/ENGL 30700 Written and Oral Communication for Engineers

2. Science and Mathematics
   CHM 11500 General Chemistry
   PHYS 15200 Mechanics
   PHYS 26100 Electricity Optics
   MA 16300 Calculus and Analytic Geometry I
   MA 16400 Calculus and Analytic Geometry II
   MA 26100 Multivariate Calculus
   MA 26400 Differential Equations
   MA 26500 Linear Algebra

3. Humanities and Social Sciences (12 credits)
   The balance (6 credits) is selected by the student and advisor to give the student an opportunity to explore areas within the humanities and social sciences. Credit for ECON 21000 is not allowed. Subject areas not acceptable are skills courses such as writing and speaking, accounting, industrial management, personal finance, ROTC, and personnel administration. Credit is not allowed for a student’s native language.
3. Humanities and Social Sciences (12 credits)
   Required
   PHIL 32400 Ethics for the Professions
   POL 30500 Technology and Society

The balance (6 credits) is selected by the student and advisor to give the student an opportunity to explore
areas within the humanities and social sciences. Credit for ECON 21000 is not allowed. Subject areas not
acceptable are skill courses such as writing and speaking, accounting, industrial management, personal
finance, ROTC, and personnel administration. Credit is not allowed for a student’s native language.

4. General Engineering
   ENGR 15100 Software Tools for Engineers
   ENGR 18600 Engineering Freshman Seminar
   ENGR 19000 Elementary Engineering Design
   ME 11500 Engineering Drawing I
   ME 11600 Engineering Drawing II
   ME 31100 Engineering Economics and Project Management
   ME 42900 Senior Engineering Design I
   ME 43900 Senior Engineering Design II

5. Electrical and Computer Engineering
   ECE 20100 Linear Circuit Analysis I
   ECE 20200 Linear Circuit Analysis II
   ECE 23300 Microcomputers in Engineering
   ECE 38000 Computers in Engineering Analysis

6. Mechanical Engineering
   ME 27100 Basic Mechanics I: Statics
   ME 27500 Basic Mechanics II: Dynamics
   ME 30500 General Thermodynamics I
   ME 31200 Fluid Mechanics
   ME 31300 Fluid Mechanics Laboratory
   ME 32000 Kinematic Analysis and Design
   ME 32500 Dynamics of Mechanical Systems
   ME 34500 Mechanical Engineering Experimentation
   ME 41600 Heat Transmission
   ME 41700 Heat Transmission Laboratory
   ME 46100 Machine Design I

7. Civil Engineering
   CE 27300 Mechanics of Materials

8. Materials Science
   MSE 20000 Materials Science

9. Mechanical Engineering Electives
   Four courses from a list approved by the Engineering Undergraduate Committee.*

10. Engineering Elective
    One Engineering (any) course approved by the Engineering Undergraduate Committee.*

11. Technical Elective
    One course in Engineering (any), Science, Mathematics, Computer Science, Statistics, or
    Management approved by the Engineering Undergraduate Committee.*

*The list of electives is available in the Department of Mechanical Engineering office (Powers 211) and
at www.purdue.edu/engr/electives.pdf

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**Bachelor of Science in Mechanical Engineering with a minor in Mechatronics**
(128 CREDITS) EAC/ABET ACCREDITED

Requirements for the Bachelor of Science in Mechanical Engineering with the six electives (four Mechanical Engineering, Engineering, and Technical) replaced by:

- ECE 15200 Programming for Engineers
- ECE 20200 Linear Circuit Analysis II
- ECE 21800 Linear Circuits Laboratory II
- ECE 23300 Microcomputers in Engineering
- ECE 38000 Computers in Engineering Analysis
- ME 48500 Linear Control Systems

One Mechatronics Elective from a list approved by the Engineering Undergraduate Committee.*

*The list of electives is available in the Department of Mechanical Engineering office (Powers 211) and
at www.purdue.edu/engr/electives.pdf

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**Bachelor of Science in Engineering, Interdisciplinary Engineering Option**
(128 CREDITS)

The Interdisciplinary Engineering Option provides a maximum degree of flexibility for those students
who want this flexibility and do not require an ABET-accredited degree. The degree features a strong,
broader engineering problem-solving base in both electrical and mechanical engineering with the ability
to tailor the large number of technical electives toward each student’s specific interests and/or goals.
It is particularly appropriate for those students planning to pursue post-graduate education in law,
management, medicine, pharmacy, etc. For a list, see the Department of Mechanical Engineering
(Powers 211) or www.purdue.edu/me/BS_IBE_option.pdf

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**Master of Science in Engineering**
(30 CREDITS)

Purdue University Calumet offers a graduate curriculum leading to the Master of Science in Engineering
degree with specialization in Electrical and Computer Engineering, Mechanical Engineering, and
Interdisciplinary Engineering. Courses are available in computer, electrical, mechanical, civil, metallurgical,
and industrial engineering. The program has the flexibility to allow students to elect courses in one or
several engineering disciplines.

**Assistantships**
Teaching and research assistantships are available to qualified graduate students.

**Special Admission Requirements**
1. Bachelor’s degree in Engineering from an institution accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET). Other students having adequate mathematical preparation with bachelor’s degrees in non-engineering fields may be admitted on a conditional basis—they must complete 18-27 credits in the engineering field of their choice for the Master’s degree with a GPA of 3.0/4.0 or better before being considered for full admission.

2. Undergraduate GPA of 3.0/4.0 or better. Conditional admission may be granted to students with lower GPAs, with the stipulation that they must receive a grade of B or better for the first 9 credits of graduate work. Some students may be advised to complete prerequisites or additional courses which will not count toward their degree.

3. Post-baccalaureate admission. Students may enroll to meet individual needs for continuing education rather than for pursuing a degree. Enrollment as a post-baccalaureate student does not imply later approval for degree-seeking status, nor does it guarantee acceptance toward a degree of credit taken as a post-baccalaureate student.

**Degree Requirements**
1. Non-thesis Option: 30 semester credits, with at least 18 credits of primary graduate-level engineering courses.

2. Thesis Option: 30 semester credits, with 9 credits for the thesis research and at least 18 credits of graduate-level engineering courses. 21 semester credits plus thesis.

3. GPA of 3.0/4.0 for all courses on the approved plan of study. Some advisory committees may require grades higher than C in specific courses.

4. An advisory committee with at least three members and at least one member to represent a related engineering area. Students will consult with a major advisor assigned upon admission.

5. A plan of study established in consultation with the major advisor or professor and reviewed by members of the advisory committee, and the chair of the Graduate Committee.

**Credit for Pre-Admission Course Work:** A maximum of 12 semester credits of courses with grades of B or better and satisfying course requirements on the approved plan of study may be used, subject to approval of the student’s advisory committee. This limit applies to all pre-admission course work, including post-baccalaureate credit at Purdue, undergraduate excess credit, and transfer credit.

**Time limit on reentry:** A new plan of study must be approved if a student is inactive in the program for five years, usually excluding courses previously taken.
Graduate Certificate in Engineering Project Management

The Graduate Certificate in Engineering Project Management can be earned by completing four courses from the following graduate courses:

- Advanced Engineering Project Management (Required)
- Advanced Engineering Economics (Required)
- Quality Control
- Industrial Applications of Statistics
- Systems Engineering

All course taken for the certificate can be used for the Master of Science in Engineering degree if admitted to that program.

Admission to the certificate program requires a Bachelor’s degree in Engineering or approval of the Engineering Graduate Coordinator.
School of
LIBERAL ARTS and SOCIAL SCIENCES
The School of Liberal Arts and Social Sciences (LASS) houses the following departments:

- **Behavioral Sciences** (Thomas Pavkov, interim head; 219/989-2384, Porter Hall, Room 213)
- **Communication and Creative Arts** (Yahya Kamalipour, head; 219/989-2393, Porter Hall, Room 118)
- **English and Philosophy** (Daniel Punday, head; 219/989-2261, Classroom Office Bldg., Room 217)
- **Foreign Languages and Literatures** (Luisa Garcia-Verdugo, head; 219/989-2632, Classroom Office Bldg., Rm. 313)
- **History and Political Science** (Richard Rupp, head; 219/989-2347, Classroom Office Bldg., Room 215)
- **Hospitality and Tourism Management** (Michael Flannery, head; 219/989-2340, Hospitality Tourism Management Building, Room 195)

### Bachelor’s Degree Programs

- Communication
  - Advertising
  - Broadcasting
  - General Communication
  - Journalism
  - Organizational Communication
  - Public Relations
  - Visual Communication Design
- English
  - Literature
  - Professional Writing
  - Teaching
- French
- French-International Studies
- French Teaching
- Spanish
  - Spanish-International Studies—Heritage
  - Spanish-International Studies—Non-Heritage
- Spanish Teaching
  - Heritage
  - Non-Heritage
- History (and Pre-Law)
- Political Science (and Pre-Law)
- Political Science-Criminal Justice
- Social Studies Teaching
- Hospitality and Tourism Management
- Hospitality and Tourism Management—Fitness Management

### Master’s Degree Programs

- Child Development and Family Studies,
  - Specialization in Human Development and Family Studies
  - Specialization in Marriage and Family Therapy
- Communication
- English
- History

### Career Opportunities

Graduates of Purdue University Calumet’s School of Liberal Arts and Social Sciences may work in a number of fields which are as varied as are our programs. Our degrees will equip our students with the skills necessary for success in professional careers such as broadcast journalist, health club director, law enforcement professional, cardiac rehabilitation assistant, social studies teacher, public information officer, Spanish translator, casino manager, technical writer, criminologist, recreational activities director, communication trainer, television director, club manager, customer service manager, English teacher, tourism director, mental health clinic staff member, social welfare agency employee, personal training coordinator, senior citizen facility administrator, probation officer, restaurant owner, child center director, French teacher, employee wellness program supervisor, hotel sales manager and more.
The department of behavioral sciences offers students a broad-based liberal education, enabling them to function effectively in a world of rapid change, in careers in such fields as government, business, mental health, child care, gerontology or social services. The department provides students with skills and strategies to understand individual and group behavior, to learn how to relate well to others, and to understand the relationships between social problems and the social environment.

As one of the most diverse academic units on campus, the department offers courses in a variety of disciplines concerned with human behavior: anthropology; child care; human development and family studies; psychology; sociology; criminal justice and gerontology. Certificates, baccalaureate degrees and two master’s degree level plans of study are offered by the department.

Internships are offered in the graduate program in marriage and family therapy in an on-campus clinic, our research center the Institute for Social and Policy Research and the Gerontology Center. Off-campus internships are available in a number of human services and non-profit agencies throughout the region. A two-semester practicum experience is required in the gerontology and early childhood development programs. A one-semester field experience is required in criminal justice. Such experiences provide practical experience under supervision and allow first-hand experience and observation of various institutions’ responses to human needs and quality of life issues.

The campus Child Center serves as a laboratory for the early childhood development program. The psychology laboratory is a computer-assisted student laboratory which allows students to engage in simulated experiments and analysis of data from classroom experimental projects. The Institute for Social and Policy Research is equipped with an array of tools used to conduct qualitative and quantitative social science research, including computer-assisted telephone and web-based surveys and geographic information systems mapping projects.

### Programs
- Child Development Associate (CDA) Preparation and Advising Program
- Certificate, Infant/Toddler
- Certificate in Gerontology
- Bachelor of Arts, Psychology
- Bachelor of Arts, Sociology, options in General Sociology, Criminal Justice, and Gerontology
- Bachelor of Arts, Human Development & Family Studies; specializations in Child and Family Services, Disability Studies, Early Childhood and Gerontology
- Master of Science in Child Development and Family Studies: Specialization in Human Development and Family Studies
- Masters of Science in Child Development and Family Studies: Specialization in Marriage and Family Therapy
- Post-Baccalaureate Certificate in Early Childhood
- Post-Baccalaureate Certificate in Disability Studies
- Minors in Disability Studies, Early Childhood, Gerontology, Human Services, Psychology, Service Learning, Sociology

### Child Development Associate (CDA) Preparation & Advising Program

(COA stands for the Child Development Associate National Credentialing Program. The purpose of the program is to enhance the quality of child care by defining, evaluating and recognizing the competence of child care providers and home visitors. The program is administered by the Council for Early Childhood Professional Recognition in Washington, D.C. The CDA Credential is a certificate that is awarded to a person who demonstrates competence in caring for young children by successfully completing the CDA assessment process.

(Note: Completion of this course work does not award a degree or certificate. However, the courses count toward an associate or a bachelor degree in early childhood development.)

**Required Coursework**

Complete all of the following:

- **CDFS 21600** Introduction to Early Childhood Education
- **CDFS 21700** Issues in Early Childhood Education
  (May substitute PSY 36100)
- **CDFS 23500** CDA Portfolio and Experience

**Elective: Choose one appropriate additional course according to your area of focus:**

- **CDFS 30800** Language and Literacy in Early Childhood
  (Appropriate for any of the CDA certificates)

  or

- **CDFS 22800** Developmental Infant & Toddler Care
  (Appropriate only for Infant/Toddler CDA)

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### Certificate - Infant/Toddler Certificate

(18 CREDITS)

This certificate is designed for non-traditional students employed full-time.

- **BHS 10100** Working with Parents
- **CDFS 21000** Intro to Human Development
- **CDFS 22800** Developmental Infant and Toddler Care
- **BHS 20300** Advanced Infant/Toddler Curriculum
- **BHS 20200** Infant/Toddler Supervised Experience
- **CDFS 34000** Teaching Very Young Children with Special Needs
Bachelor of Arts, Psychology
(126 CREDITS)

1. Communication (18-21 credits)
   ENGL 10000/10400 English Composition I
   ENGL 10500 English Composition II
   OR
   ENGL 10800 Accel First Yr Compos
   COM 11400 Fund. Speech Comm.
   Foreign Language 10100, 10200, 20100, 20200

2. Science and Mathematics (12 credits)
The required 12 hours will consist of three hours of a laboratory science, three hours of mathematics at the College Algebra (MA 15300) level or higher and three hours of Computer Science (CS 20400) Lab Science — SI 10500, BL 10100 or BL 10130. The remaining hours may be filled with any Science, Mathematics (above 15300), Logic (PHIL 15000), or non-lab science (F&B 30300) courses.

3. Humanities and Social Sciences (24 credits)
   Economics 21000 or 25100
   Psychology 12000
   Sociology 10000 or Anthropology
   and one course each from:
   Aesthetics
   History
   Literature
   Philosophy (not Logic)
   Political Science

4. Psychology and Behavioral Sciences Core (25 credits)
   BHS 10300 Freshman Experience in Behavioral Sciences (1 cr)
   BHS 20100 Statistical Methods for the Behavioral Sciences (PSY 50000 accepted)
   PSY 20300 Intro. Research Methods
   PSY 20500 Testing and Measurement
   PSY 31400 Intro. to Learning
   PSY 31100 Human Memory
   PSY 33900 Advanced Social Psych (SOC 34000 accepted)
   PSY 43000 Sys. Theories of Psych.
   One of:
   PSY 31000 Sensation and Perception Proc.
   PSY 32200 Neuroscience of Motivated Behavior
   and three hours of a laboratory science, three hours of mathematics or statistics (STAT 13000), and three hours of computer science (CS 20400). The remaining three hours may be filled with any Science, Mathematics, Logic (PHIL 15000), or non-lab science (F&B 30300) course.

5. Additional Requirements for the Major (15 credits)
   Any five courses in Psychology at the 30000 level or above

6. Electives or Minor (25-32 credits)

Psychology Minor
(18 CREDITS)
   PSY 12000 Elem. Psychology
   BHS 20100 Statistical Methods for the Behavioral Sciences (PSY 50000 accepted)
   PSY 20300 Intro. Research Methods
   Nine credits of Psychology at 300-500 level

Certificate in Gerontology
(27 CREDITS)
This Certificate is for those who are already working with the elderly and want to have a specialized credential in gerontology to enhance their career, or who are considering a change in career. The Certificate would be available to students who do not have a Baccalaureate degree, as well as those who have a Baccalaureate degree in another field of study.

18 Credits to include the following courses:
   PSYS 12000 Introduction to Psychology
   or
   SOC 10000 Introduction to Sociology
   BHS 37500 Physical Aging, Health and Behavior
   SOC 34000 Sociology of Aging
   SOC 43100 Services to the Aged
   SOC 46000 Field Experience in Gerontology
   PSY 36300 Human Development III: Adulthood

6 Credits chosen from any one of the following courses:
   COM 36500 Communication and Aging
   COM 37100 Communication and Health
   F&N 36000 Nutrition and aging
   FM 25000 Principles of Adult Fitness
   PSY 53500 Psychology of Death and Dying
   SOC 44000 Sociology of Health and Health Care
   Independent Studies on issues relevant to aging
   3 general elective credits chosen from any university department

Bachelor of Arts, Sociology
(126 CREDITS)
Requirements for all Sociology degrees

1. Communication
   ENGL 10000/10400 English Composition I
   ENGL 10500 English Composition II
   OR
   ENGL 10800 Accel First Yr Compos
   COM 11400 Fund. Speech Comm.
   Foreign Language 10100-10200-20100-20200

2. Science and Mathematics
   The required 12 hours will consist of three hours of a laboratory science, three hours of mathematics or statistics (STAT 13000), and three hours of computer science (CS 20400). The remaining three hours may be filled with any Science, Mathematics, Logic (PHIL 15000), or non-lab science (F&B 30300) course.

3. Humanities and Social Sciences
   Economics 21000 or 25100
   Psychology 12000
   Sociology 10000 or Anthropology
   and one course each from:
   Aesthetics
   History
   Literature
   Philosophy (not Logic)
   Political Science

Please note: Two courses in Experiential Learning are required for all students enrolled Fall 2008 and beyond. This is also a requirement for transfer students with more than 2 semesters of enrollment remaining and more than 32 credit hours needed for degree.

Please note: Two courses in Experiential Learning are required for all students enrolled Fall 2008 and beyond. This is also a requirement for transfer students with more than 2 semesters of enrollment remaining and more than 32 credit hours needed for degree.
Bachelor of Arts, General Sociology Option  
(126 CREDITS)  
**Requirements for Sociology degree plus: (35 credits)**  
- BHS 10300  Freshman Experience in Behavioral Sciences (1 cr.)  
- SOC 22000  Social Problems  
- SOC 24500  Field of Sociology  
- SOC 3400/PSY 33900  General Social Psychology  
- SOC 38200  Intro. to Methods of Social Research I  
  (BHS 20100 or PSY 50000 accepted)  
- SOC 38300  Intro. to Methods of Social Research II  
- SOC 40200  Principles of Sociology**  
- 18 additional credits in Sociology at 30000 level or above  
*Prewrerequisite to SOC 40200: 12 hours of Sociology and a 2.25 GPA in all Sociology courses.  
**Prewrerequisite to SOC 40200: 12 hours of Sociology and a 2.25 GPA in all Sociology courses.  

*Electives or Minor (30-37 credits)*  

Please note: Two courses in Experiential Learning are required for all students enrolled Fall 2008 and beyond. This is also a requirement for transfer students with more than 2 semesters of enrollment remaining and more than 32 credit hours needed for degree.  

Minor in Gerontology  
(15 CREDIT HOURS)  
35 Credits to include the following courses:  
- BHS 37500 Physical Aging, Health and Behavior  
- SOC 43000 Sociology of Aging  
- SOC 43100 Services to the Aged  
- SOC 46000 Field Experience in Gerontology  
- PSY 36300 Human Development III: Adulthood  
- 3 credits chosen from any one of the following courses  
  - COM 36500 Communication and Aging  
  - COM 37100 Communication and Health  
  - F&N 36000 Nutrition and aging  
  - PSY 53500 Psychology of Death and Dying  
  - SOC 44000 Sociology of Health and Health Care  
  - Independent Studies on issues relevant to aging  

Bachelor of Arts, Sociology-Criminal Justice Option  
(126 CREDITS)  
**Requirements for Sociology degree plus: (35 credits)**  
- BHS 10300  Freshman Experience in Behavioral Sciences (1 cr.)  
- SOC 22000  Social Problems  
- SOC 24500  Field of Sociology (1 cr.)  
- SOC 36100  The Institution of Social Welfare  
- SOC 38200  Intro. to Methods of Social Research I  
  (BHS 20100 or PSY 50000 accepted)  
- SOC 38300  Intro. to Methods of Social Research II  
- SOC 40200  Principles of Sociology**  
- SOC 43000 Sociology of Aging  
- SOC 43100 Services for the Aged  
- SOC 46000 Field Exp. Gerontology  
- PSY 36300 Human Development III  
- PSY 53500 Psych. of Death and Dying  
- Three of:  
  - HIST 32500 Crime in America  
  - HIST 33600 Organized Crime  
  - POL 35400 Civil Liberties Const.  
  - PSY 35500 Child Abuse Neglect  
  - PSY 42800 Drugs and Behavior  
  - PSY 44300 Aggression and Violence  
- *Prewrerequisite to SOC 40200: 12 hours of Sociology and a 2.25 GPA in all Sociology courses.  
**Prewrerequisite to SOC 40200: 12 hours of Sociology and a 2.25 GPA in all Sociology courses.  

*Electives or Minor (24-31 credits)*  

Please note: Two courses in Experiential Learning are required for all students enrolled Fall 2008 and beyond. This is also a requirement for transfer students with more than 2 semesters of enrollment remaining and more than 32 credit hours needed for degree.  

Bachelor of Arts, Sociology-Gerontology Option  
(126 CREDITS)  
**Requirements for Sociology degree plus: (41 credits)**  
- BHS 10300  Freshman Experience in Behavioral Sciences (1 cr.)  
- SOC 22000  Social Problems  
- SOC 24500  Field of Sociology (1 cr.)  
- SOC 36100  The Institution of Social Welfare  
- SOC 38200  Intro. to Methods of Social Research I  
  (BHS 20100 or PSY 50000 accepted)  
- SOC 38300  Intro. to Methods of Social Research II  
- SOC 40200  Principles of Sociology**  
- SOC 43000 Sociology of Aging  
- SOC 43100 Services for the Aged  
- SOC 46000 Field Exp. Gerontology  
- PSY 36300 Human Development III  
- PSY 53500 Psych. of Death and Dying  
- Three of:  
  - SOC 44000 Sociology of Health and Illness  
  - SOC 45300 Intimate Violence  
  - SOC 46000 Field Exp. Gerontology  
  - SOC 49100 Oriented Research/Studies  
  - SOC 56200 Public Social Services  
  - PHIL 32400 Ethics for the Prof.  
  - PHIL 32500 Ethics and Public Health  
  - COM 36500 Communication and Aging  
  - COM 37100 Health Com.  
  - F&N 36000 Nutrition for the Aged  
  - PSY 43300 Issues in Dev. Psy  
- *Prewrerequisite to SOC 40200: 12 hours of Sociology and a 2.25 GPA in all Sociology courses.  
**Prewrerequisite to SOC 40200: 12 hours of Sociology and a 2.25 GPA in all Sociology courses.  

*Electives or Minor (24-31 credits)*  

Please note: Two courses in Experiential Learning are required for all students enrolled Fall 2008 and beyond. This is also a requirement for transfer students with more than 2 semesters of enrollment remaining and more than 32 credit hours needed for degree.  

Sociology Minor  
(18 CREDITS)  
- SOC 10000  Introduction to Sociology  
- SOC 22000  Social Problems  
- 12 Sociology credits at 30000-50000 level
# Bachelor of Arts, Human Development and Family Studies

(126 CREDITS)

Requirements for all Specializations:

## 1. General Education Requirements (18-21 credits)

**Communication**
- ENGL 10000/10400 English Composition I
- ENGL 10500 English Composition II

**Science and Mathematics (12 credits)**

- The required 12 hours will consist of three hours of laboratory science, three hours of mathematics or statistics (STAT 13000), and three hours of computer science (CIS 20400). The remaining three hours may be filled with any Science, Mathematics, Logic (PHIL 15000), or non-lab science (F&N 30300) course.

## 2. Humanities and Social Sciences (24 credits)

- Economics 21000 or 25100
- Psychology 12000
- Sociology 10000 or Anthropology

## 3. Humanities and Social Sciences (24 credits)

- Economics 21000 or 25100
- Psychology 12000
- Sociology 10000 or Anthropology

## 4. Human Development and Family Studies Core (25 credits)

- BHS 10300 Freshman Experience in Behavioral Sciences (1 cr.)
- BHS 20100 Statistical Methods for the Behavioral Sciences (PSY 50000 accepted)
- SOC 38300 Research Methods
- BHS 20500 Intro to Family Dynamics (Fall Only)
- CDFS 21000 Intro to Human Development
- SOC 35000 Social Psychology of Marriage
- CDFS 35400 Practicum I ExL
- CDFS 45501 Practicum II ExL
- OR
- CDFS 45601 Practicum with Infants & Toddlers ExL
- PSY 43300 Theories in Human Development

## 5. Early Childhood Specialization (36 credits)

- Complete ALL of the courses listed below:
  - CDFS 21600 Introduction to Early Childhood Education
  - CDFS 21700 Issues in Early Childhood Education
  - CDFS 22800 Developmental Infant & Toddler Care
  - CDFS 30501 Art, Music & Movement in Early Childhood
  - CDFS 30800 Language & Literacy in Early Childhood
  - CDFS 31000 Math, Science & Social Studies in Early Childhood
  - CDFS 33201 Child Care Administration
  - CDFS 34000 Teaching Very Young Children with Special Needs
  - CDFS 42100 Children’s Social Development
  - CDFS 43101 Observational Assessment in Early Childhood ExL
  - PSY 36100 Human Development I: Infancy and Childhood

## 6. Electives (6 credits)

### Restricted, Two of:
- SOC 36100 The Institution of Social Welfare
- SOC 44000 Sociology of Health & Illness
- WOST 12100 Intro to Women’s Studies
- COM 31000 Family Communications
- PSY 33500 Child Abuse and Neglect
- PSY 43500 Intro to Marriage & Family Therapy
- PSY 53200 Psychological Disorders of Childhood
- PSY 55000 Introduction to Clinical Psychology

## 7. Electives (Open) (16-23 credits)

*Please note: Two courses in Experiential Learning are required for all students enrolled Fall 2008 and beyond. This is also a requirement for transfer students with more than 2 semesters of enrollment remaining and more than 32 credit hours needed for degree.*
Gerontological Specialization

4. Human Development and Family Studies Core (25 credits)
   - BHS 10300 Freshman Experience in Behavioral Sciences (1 cr.)
   - BHS 20100 Statistical Methods for the Behavioral Sciences (PSY 5000 accepted)
   - SOC 38300 Research Methods
   - BHS 20500 Intro to Family Dynamics
   - CDFS 21000 Intro to Human Development
   - SOC 35000 Social Psychology of Marriage
   - SOC 46000 Practicum (6 credit hours)
   - PSY 43300 Theories in Human Development

5. Gerontological Specialization (18 credits)
   - PSY 36100 Human Development I: Infancy & Early Childhood
   - PSY 36200 Human Development II: Adolescence
   - Required:
     - PSY 36300 Human Development III: Adulthood
     - SOC 43100 Services for the Aged
     - SOC 43000 Sociology of Aging
     - F&N 36000 Nutrition and Aging
     - PSY 53500 Psychology of Death and Dying

6. Electives (6 credits)
   - Restricted: Two of:
     - WOST 12100 Introduction to Women’s Studies
     - SOC 26100 Basic Helping Skills/Human Services
     - SOC 30600 Methods in Human Services
     - SOC 41100 Social Stratification
     - SOC 44000 Sociology of Health and Illness
     - COM 36500 Communication and Aging

7. Electives (Open) (16-23 credits)

Disability Studies Specialization

4. Human Development and Family Studies Core (25 hours)
   - Freshman Experience (for incoming freshman only) (1 cr.)
   - BHS 20100 Statistical Methods for the Behavioral Sciences (PSY 5000 accepted)
   - SOC 38300 Research Methods
   - BHS 20500 Intro to Family Dynamics
   - CDFS 21000 Intro to Human Development
   - SOC 35000 Social Psychology of Marriage
   - BHS 38000 Disability and the Family Life Cycle
   - BHS 38200 Disability and Society
   - BHS 48400 Genetic and Physiological Factors Underlying Developmental Disabilities
   - SOC 10000 Methods in Human Services
   - SOC 36400 Child and Family Welfare
   - SOC 21000 Practicum (Satisfied w/Soc 30700 or Soc 46000)
   - SOC 43000 Sociology of Aging
   - SOC 43300 Theories in Human Development
   - SOC 43600 Practicum (6 credit hours)

5. Disability Studies Specialization (24 hours)
   - Required (18 hours):
     - SOC 26100 Basic Helping Skills/Human Services
     - SOC 30600 Methods in Human Services
     - SOC 36400 Child and Family Welfare
     - BHS 38000 Disability and the Family Life Cycle
     - BHS 38200 Disability and Society
     - BHS 48400 Genetic and Physiological Factors Underlying Developmental Disabilities
   - Choose 2 of 3 (6 hours)
     - PSY 36100 Human Dev. I: Infancy & Early Childhood
     - PSY 36200 Human Dev. II: Adolescence
     - PSY 36300 Human Dev. III: Adulthood

6. Electives (9 hours)
   - Restricted, Choose 3
     - SOC 36100 The Institution of Social Welfare
     - PSY 35500 Child Abuse and Neglect
     - SOC 44000 Sociology of Health and Illness
     - PSY 43500 Intro to Marriage & Family Therapy
     - CDFS 34000 Teaching Very Young Children with Special Needs
     - BHS 48600 Honors Seminar in Human Development and Disability ExL (or PSY 48600)
     - SOC 43000 Sociology of Aging
     - SOC 37500 Physical Aging, Health, and Behavior

7. Electives (Open) (7-14 credits)

Post Baccalaureate Certificate — Early Childhood Development

(18 CREDITS)

This certificate is available to students with baccalaureate degrees who are already working with young children, either as family child care providers, or in various center-based capacities, including teaching or administration. It will provide immediate and substantial support to providers coming to the field from other areas of study. The certificate includes coursework in child development, observation and curriculum preparation, and requires supervised practical experience.

- PSY 36100 Human Development I or elective (CDFS 42100 or CDFS 43101)
- CDFS 21600 Intro to Early Childhood or elective (CDFS 22800 or CDFS 43101)
- CDFS 21700 Issues in Early Childhood or elective (CDFS 42100, CDFS 22800 or CDFS 34000)
- CDFS 30800 Language and Literacy
- CDFS 47000 Supervised Experience in Early Childhood Programs

For Acting Administrators
- PSY 36100 Human Development I or elective (CDFS 42100 or CDFS 43101)
- CDFS 21600 Introduction to Early Childhood or elective (CDFS 30501 or CDFS 22800 or CDFS 43101)
- CDFS 21700 Issues in Early Childhood or Elective (CDFS 42100 or CDFS 22800)
- CDFS 30800 Language and Literacy
- CDFS 33201 Child Care Administration
- CDFS 47000 Supervised Experience in Early Childhood Programs

For Family Childcare Providers
- PSY 36100 Human Development I or elective (CDFS 42100 or CDFS 43101)
- CDFS 21600 Intro to Early Childhood or elective (CDFS 30501 or CDFS 22800 or CDFS 43101)
- CDFS 21700 Issues in Early Childhood or Elective (CDFS 42100 or CDFS 22800)
- CDFS 30800 Language and Literacy
- CDFS 31001 Science, Math, and Social Studies in Early Childhood
- CDFS 47000 Supervised Experience in Early Childhood Programs

Possible Electives
- CDFS 42100 Children’s Social Development
- CDFS 30501 Art Music & Movement in Early Childhood
- CDFS 43101 Observational Assessment in Early Childhood (ExL)
- CDFS 22800 Developmental Infant and Toddler Care
- CDFS 34000 Teaching Children with Special Needs

*Note: Some students may already have coursework that approximates that of some required courses. Alternative courses should enrich the student’s familiarity with the topics or issues addressed in the required courses. Alternative courses must be chosen in consultation with program advisors.
**Post Baccalaureate Certificate — Disability Studies**

(24 CREDITS)

A Post-Baccalaureate Certificate in Disability Studies will prepare students to act as a multi-disciplinary practitioner when assisting individuals with disabilities and their families to respond to events that require intervention. The generic competencies of the disabilities studies professional will reflect the continuum of skills necessary to work with persons whose needs arise from problems associated with the occurrence of a wide array of disabilities. These areas include advocacy, occupational therapy, sheltered employment, case management for individuals with disabilities, abuse of those with disabilities, and housing for those with disabilities.

**Disability Studies Certificate Program Requirements:**

To be admitted into the Post-Baccalaureate Certificate in Disability Studies program, students must have completed a bachelor's degree. Upon completing the Disability Studies Certificate Program, students must have a Grade Point Average of 2.0 or better to earn their certificate.

**Requirements:**

**Total Hour requirement 24 Credit Hours**

18 credits to include the following courses:

- **SOC 26100** Introduction to Social Work
- **SOC 30600** Case Management in the Human Services
- **SOC 30700** Practicum in the Human Services
- **BHS 38200** Disability and Society
- **BHS 38000** Disability and the Family Life Cycle
- **BHS 48400** Genetic and Physiological Factors Underlying Developmental Disabilities
- **6 credits chosen from any one of the following courses:**
  - **PSY 35500** Child Abuse and Neglect
  - **BHS 48600** Honors Seminar in Human Development and Disability ExL (or PSY 48600)
  - **SOC 44000** Sociology of Health and Illness
  - **CDFS 34000** Teaching Very Young Children with Special Needs
  - **SOC 43000** Sociology of Aging
  - **SOC 37500** Physical Aging, Health, and Behavior

**Minor in Human Services**

(18 CREDITS)

A minor in Human Services will prepare students to act as a multi-disciplinary practitioner when assisting individuals, families, and communities to respond to events that require intervention. The generic competencies of the human service professional will reflect the continuum of skills necessary to work with persons whose needs arise from problems within the larger social system or to improve individual social functioning. These areas include crime and delinquency, chemical abuse and addiction, poverty, education, job training and employment, mental illness physical and sexual abuse, homelessness and disability.

**Requirements:**

- **SOC 22000** Social Problems
- **SOC 26100** Basic Helping Skills for Human Services
- **SOC 30600** Case Management in Human Services
- **SOC 30700** Practicum in Human Services
- **SOC 36400** Child and Family Welfare

Any three hours from the following:

- **PSY 35500** Child Abuse and Neglect
- **SOC 31400** Race and Ethnic Relations
- **SOC 36100** The Institution of Social Welfare
- **SOC 41100** Social Stratification
- **SOC 42100** Juvenile Delinquency
- **SOC 42200** Criminology
- **SOC 43000** Sociology of Aging
- **SOC 45000** Sex Roles in Modern Society

**Minor in Early Childhood**

(18 CREDITS BEYOND PSY 36100)

The prerequisite for this minor is PSY 36100, C or better

**A. Requirements for Minor in Early Childhood**

Development: (Prerequisite for minor: PSY 36100; Grade of “C” or better)

All of the following:

- **CDFS 21600** Introduction to Early Childhood Education
- **CDFS 21700** Issues in Early Childhood Education
- **CDFS 30800** Language & Literacy in Early Childhood II

Notes:

* Prerequisite for CDFS 21700: CDFS 21600
* Co-requisite for CDFS 30800: CDFS 21600

**B. Choose one course from the following:**

- **CDFS 22800** Developmental Infant & Toddler Care
- **CDFS 31001** Math, Science & Social Study in Early Childhood
- **CDFS 34000** Teaching Very Young Children with Special Needs
- **CDFS 42100** Children’s Social Development

Notes:

* Prerequisite for CDFS 31001: CDFS 21600, 30800 and PSY 36100; Co-requisite for CDFS 31001: CDFS 21700, CDFS 30501
* Prerequisite for CDFS 42100, CDFS 43101: PSY 36100
* Prerequisite for CDFS 34000: CDFS 21700 or PSY 36100

**C. Choose one course from the following:**

- **F&N 260** Food & Nutrition in Early Childhood Development Classrooms
- **CDFS 30501** Art, Music & Movement in Early Childhood
- **CDFS 33201** Administration in Early Childhood Development Programs
- **CDFS 43101** Observational Assessment in Early Childhood

Notes:

* Co-requisite for CDFS 30501: CDFS 21600
* Prerequisite for CDFS 33201: PSY 36100

**D. Practical Internship:**

**CDFS 35001** Internship in Early Childhood

**Minor in Disability Studies**

(21 CREDITS)

A minor in Disability Studies will prepare students to act as a multi-disciplinary practitioner when assisting individuals with disabilities and their families to respond to events that require intervention. The generic competencies of the disabilities studies professional will reflect the continuum of skills necessary to work with persons whose needs arise from problems associated with the occurrence of a wide array of disabilities. These areas include advocacy, sheltered employment, case management for individuals with disabilities, and housing for those with disabilities. The minor will also serve the needs of individuals who are pursuing pre-professional degree programs in both pre-occupational therapy and pre-physical therapy.

18 credits to include the following courses:

- **SOC 26100** Introduction to Social Work
- **SOC 30600** Case Management in the Human Services
- **SOC 30700** Practicum in the Human Services
- **BHS 38200** Disability and Society
- **BHS 38000** Disability and the Family Life Cycle
- **BHS 48400** Genetic and Physiological Factors Underlying Developmental Disabilities

* Prerequisite for CDFS 31001: CDFS 21600, 30800 and PSY 36100; Co-requisite for CDFS 31001: CDFS 21700, CDFS 30501
* Prerequisite for CDFS 42100, CDFS 43101: PSY 36100
* Prerequisite for CDFS 34000: CDFS 21700 or PSY 36100
### Minor in Service Learning

(15 Credits)

Requires 15 credit hours of coursework as follows:

- **Service Learning Core (10 Credits)**
  - SERV 10100, 1 credit, Required
  - SERV 20100, 2 credits, Required
  - SERV 30100, 3 credits, Required
  - SERV 40100, 4 credits, Required

- **Service Learning Electives (5 Credits)**
  - SERV 10200, 2 credits
  - SERV 10300, 3 credits
  - SERV 20100, 2 or 4 credits

- Discipline-Based Service Learning Course(s), 1-5 credits

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### Master of Science in Child Development and Family Studies: Specialization in Human Development and Family Studies

(36 Credits)

1. **Common Core**
   - CDFS 60200 Advanced Family Studies
   - CDFS 61500 Research Methods in Child and Family Studies
   - CDFS 61800 Program Development and Evaluation
   - CDFS 68500 Current Research Topics in Child Development & Family Studies
   - PSY 60500 Applied Multivariate Statistics

2. **Select one of the following Tracks:**
   - **A. Human Service Professions Track**
     - CDFS 49000/59000 Administration of Social Service Not-for-Profit Agencies
     - CDFS 68000 Professional Issues for Child and Family Specialists
     - CDFS 59000/69800 6-hours of Directed Research or M.S. Thesis
   - **B. Human Development Studies Track**
     - SOC 59100 Qualitative Analysis
     - CDFS 61600 Theory in Child and Family Studies
     - CDFS 59000/69800 6-hours of Directed Research or M.S. Thesis

3. **Electives**
   - Nine Credit Hours of electives representing one of the following specialties at the 40000-60000 level or other courses in consultation with your advisor:
     - Early Childhood Development Area
     - Child & Family Studies Area
     - Disabilities Studies Area
     - Gerontology Area

4. **Completed Directed Research Project or Thesis and Oral Defense of Thesis**

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### Master of Science in Child Development and Family Studies: Specialization in Marriage and Family Therapy

(61 Credits)

(Accredited by the Commission on Accreditation for Marriage and Family Therapy Education of the American Association for Marriage and Family Therapy)

#### Special Admission Requirements

1. A 1000-word autobiographical statement demonstrating that the student has adequate preparation.
2. Combined verbal and math Graduate Record Examination score of 1000.

#### Degree Requirements

1. **Required courses:**
   - CDFS 59000 Couple Therapy
   - CDFS 60100 Adv. Child Development
   - CDFS 60300 Theories Fam. Therapy
   - CDFS 61500 Research Methods
   - CDFS 65700 Social Constructionist Family Therapies
   - CDFS 66000 Family Therapy Skills
   - CDFS 66100 Structural Fam. Therapies
   - CDFS 66500 Trans. Fam. Therapies
   - CDFS 66700 Pract. in Marriage Counseling (2 sem.)
   - CDFS 66900 Practicum Fam. Therapy (3 sem.)
   - CDFS 67100 Sex Therapy
   - CDFS 68000 Professional Issues
   - CDFS 69800 Research M.S. Thesis (6 credits)
   - CDFS Elective
   - PSY 60500 Applied Multivariate Analysis
   - PSY 67300 Psy. Behavior Disorders

2. 500 hours of face-to-face contact with clients

3. Completed thesis and oral defense of thesis
Department of Communication
and Creative Arts

Yahya R. Kamalipour, Head. Faculty: L. Arzt; C. Blohm (RTV Production Coordinator/Studio Supervisor); Ken Bronowski; T. M. Carilli; C. Channing; M. Dakich (Emeritus); D. M. Dunn; C. M. Gillotti; L. J. Goodnight; P. Hales; N. A. Nemeth; M. B. O’Connor; T. J. Roach; W. L. Robinson; L. R. Willer; Y. Zhang
Academic Advisor: L. Bilyk
Office Manager: K. Mihalic

Programs in the department of communication and creative arts prepare students to work in careers that require exceptional skill in dealing with people. The department offers broad curricula ranging from communication and media studies to the performing and creative arts, with strong liberal arts education supporting specific preparation for a variety of careers in communication professions. Students can select minors inside or outside the department to supplement their majors, enhance their professional, creative and artistic skills, and improve their future employment options.

Communication is a highly diverse and broad discipline. Hence, communication graduates find careers in such fields as advertising, broadcasting, corporate communication, education, journalism, marketing, public relations, research sales, personnel development, publishing, and visual communication.

Experiential learning, internship and practicum options give communication majors the opportunity to expand their learning and career opportunities by engaging in creative and professional projects and working directly with professionals in organizations such as radio and television stations, cable TV operations, advertising agencies, print media outlets, and public relations firms.

The fully equipped radio and television studies facilities on campus allow students hands-on experience in producing a variety of video and radio-TV programs. Students interested in journalism can work for the campus newspaper, Purdue Chronicle, Calumet Perspective (a weekly TV program aired on the NPR-affiliated Lakeshore TV and WCPX, channel 38 in Chicago), and online radio streaming, WPUC.

Programs

- Bachelor of Arts in Communication, with options in General Communication, Organizational Communication, Advertising, Broadcasting, Journalism, Public Relations, and Visual Communication Design
- Minors in Advertising, Broadcasting, General Communication, Health Communication, Journalism, Media and Culture, Organizational Communication, Political Communication, Public Relations, Technical Communication, Theater, or Visual Communication Design
- Master of Arts, Communication Studies

The Following General Education Courses (54-57 credits) are required for the Bachelor of Arts Degrees:

- ENGL 10000/10400 or 10500 or 10800
- COM 11400
- CIS 20400
- MA or STAT
- LAB Science
- PHIL 15000 or F&N 30300 or any MA/SCI/STAT/CIS
- Literature
- Philosophy (not Logic)
- History
- Aesthetics (A&D 25500, ENGL 40500, MUS 25000, or THTR 20100)
- Economics 21000
- Political Science
- Psychology 12000
- Sociology 10000 or Anthropology
- Foreign Language 12-hour sequence: FR, GER, SPAN, or JAP (10100, 10200, 20100, 20200)

B.A. IN COMMUNICATION (MEDIA STUDIES)

Advertising

126 CREDIT HOURS REQUIRED FOR GRADUATION

A. General Education Requirements (54-61 credits) Plus:

B. Department Core (7-9 credits)

- COM 10300 Freshman Seminar in Communication (or other Freshman Seminar Course 1-3 cr. hrs.)
- COM 20100 Intro to Media Studies
- COM 22800 Intro to Communication Studies

C. Advertising Core (33 credits)

- COM 25300 Intro to Public Relations
- COM 25600 Introduction to Advertising
- COM 30900 Visual Communication
- COM 32500 Interviewing: Principles and Practice

D. Choose 6 of the Following Courses (18 credits)

- A&D 22200 Introduction to Photography
- COM 25500 Intro to News Reporting and Writing
- COM 30000 Intro to Communication Research Methods
- COM 31800 Principles of Persuasion
- COM 32700 International Communication
- COM 33200 Television Production

Audio Production
- COM/MGMT 42900 Advertising Campaigns
- COM 43900 Focus Group Research
- COM 44600 Advertising Management
- MGMT 42800 Applied Mass Media Research
- MGMT 10100 Introduction of Business
- BA 22400 Principles of Marketing
COM 35200 Mass Communication Law
COM 40300 Communication Ethics
COM 43600 Script Writing
COM 44300 Advertising Media
COM 46500 Visual Aesthetics in Television and Film
MGMT 42100 Promotions Management
MGMT 42400 Consumer Behavior

Electives (5-14 credits)

B.A. IN COMMUNICATION (MEDIA STUDIES)

Broadcasting
126 CREDIT HOURS REQUIRED FOR GRADUATION

A. General Education Requirements (54-61 credits) Plus:

B. Department Core (7-9 credits)

COM 10300 Freshman Seminar in Communication
  (or other Freshman Seminar Course 1-3 cr. hrs.)
COM 20100 Intro to Media Studies
COM 22800 Intro to Communication Studies

C. Broadcasting Core (24 credits)

COM 30900 Visual Communication
COM 33100 Audio Production
COM 33200 Television Production
COM 35200 Mass Communication Law
COM 40300 Communication Ethics
COM 43600 Script Writing
COM 44100 Advanced Television Production
COM 44500 Television Editing

D. Choose 6 of the Following Courses (18 credits)

A&D 22200 Introduction to Photography
COM 25300 Intro to Public Relations
COM 25500 Intro to News Reporting and Writing
COM 30000 Intro to Communication Research Methods
COM 31800 Principles of Persuasion
COM 32500 Interviewing; Principles and Practice
COM 32700 International Communication
COM 33000 Theories of Mass Communication
COM 34700 Radio-TV Performance
COM 35300 Problems in Public Relations
COM/MGMT 42900 Advertising Campaigns
COM 44600 Advertising Management
MGMT 42800
COM 44800 Applied Mass Media Research
COM 46500 Visual Aesthetics in Television & Film

E. Electives (14-23 credits)

B.A. IN COMMUNICATION (COMMUNICATION STUDIES)

General Communication
126 CREDIT HOURS REQUIRED FOR GRADUATION

A. General Education Requirements (54-61 credits) Plus:

B. Department Core (7-9 credits)

COM 10300 Freshman Seminar in Communication
  (or other Freshman Seminar Course 1-3 cr. hrs.)
COM 20100 Intro to Media Studies
COM 22800 Intro to Communication Studies

C. Communication Studies Core (27 credits)

COM 21400 Theories of Interpersonal Communication
COM 22500 Intro to Rhetoric and Social Influence

OR

COM 31900 The Rhetorical Tradition
COM 30000 Intro to Communication Research Methods
COM 30100 Applied Communication Research
COM 31400 Advanced Public Speaking

OR

COM 32300 Business & Professional Speaking

OR

COM 34300 Oral Interpretation
COM 31800 Principles of Persuasion
COM 32000 Small Group Communication
COM 32500 Interviewing; Principles and Practice
COM 42000 Intro to Organizational Communication

D. Choose 3 of the following Communication courses at 30000 level or higher (9 credits)

COM 30900 Visual Communication
COM 31000 Family Communication
*COM 31400 Advanced Public Speaking
*COM 31900 The Rhetorical Tradition
COM 32200 Communication and Leadership
*COM 32300 Business & Professional Speaking
COM 32600 Speech Writing
COM 33000 Theories of Mass Communication
COM 33100 Audio Production
COM 33200 Television Production
*COM 34300 Fundamentals of Oral Interpretation
COM 34700 Radio and TV Performance
COM 35200 Mass Communication Law
COM 36500 Communication and Aging
COM 37100 Health Communication
COM 40300 Communication Ethics
COM 41800 Communication and Gender
COM 43600 Scriptwriting
COM 43700 Performance Practicum
COM 44600/ Advertising Management
MGMT 42800
COM 47000/ Women in the Media
COM 49000 Internship in Communication
COM 49100 Special Topics in Communication

E. Electives (20-29 credits)

B.A. IN COMMUNICATION (MEDIA STUDIES)

Journalism
126 CREDIT HOURS REQUIRED FOR GRADUATION

A. General Education Requirements (54-61 credits) Plus:

B. Department Core (7-9 credits)

COM 10300 Freshman Seminar in Communication
  (or other Freshman Seminar Course 1-3 cr. hrs.)
COM 20100 Intro to Media Studies
COM 22800 Intro to Communication Studies

C. Journalism Core (27 credits)

COM 25500 Intro to News Reporting and Writing
COM 30500 News Editing
COM 30600 Advanced News Reporting and Writing
COM 30900 Visual Communication
COM 33000 Research and Theory in Mass Media
COM 35200 Mass Communication Law
B. A. IN COMMUNICATION (COMMUNICATION STUDIES)

Organizational Communication
126 CREDIT HOURS REQUIRED FOR GRADUATION

A. General Education Requirements (54-61 credits) Plus:
B. Department Core (7-9 credits)
   COM 10300 Freshman Seminar in Communication (or other Freshman Seminar Course 1-3 cr. hrs.)
   COM 20100 Intro to Media Studies
   COM 22800 Intro to Communication Studies

C. Organizational Communication Core (30 credits)
   COM 21400 Theories of Interpersonal Communication
   COM 22500 Intro to Rhetoric and Social Influence
   OR
   COM 31900 The Rhetorical Tradition
   COM 25300 Intro to Public Relations
   COM 30000 Intro to Communication Research Methods
   COM 31400 Advanced Public Speaking
   OR
   COM 32300 Business & Professional Speaking
   OR
   COM 34300 Oral Interpretation
   COM 31800 Principles of Persuasion
   COM 32000 Small Group Communication
   COM 32500 Interviewing: Principles and Practice
   COM 42000 Intro to Organizational Communication
   BHS 20100 Statistical Methods for the Behavioral Sciences (PSY 50000 accepted)

D. Choose 2 of the Following Courses (6 credits)
   COM 25500 Intro to News Reporting and writing
   COM 30100 Applied Communication Research
   COM 32200 Communication and Leadership
   COM 32600 Speech Writing
   COM 37100 Health Communication
   COM 40300 Communication Ethics
   COM 41800 Communication and Gender
   COM 44600 Advertising Management
   MGMT 42800

E. Electives (17-26 credits)

B. A. IN COMMUNICATION (MEDIA STUDIES)

Public Relations
126 CREDIT HOURS REQUIRED FOR GRADUATION

A. General Education Requirements (54-61 credits) Plus:
B. Department Core (7-9 credits)
   COM 10300 Freshman Seminar in Communication (or other Freshman Seminar Course 1-3 cr. hrs.)
   COM 20100 Intro to Media Studies
   COM 22800 Intro to Communication Studies

C. Public Relations Core (39 credits)
   A&D 22200 Intro to Photography
   COM 22500 Intro to Rhetoric & Social Influence
   OR
   COM 31900 The Rhetorical Tradition
   COM 25300 Intro to Public Relations
   COM 25500 Intro to News Reporting and Writing
   COM 30000 Intro to Communication Research Methods
   OR
   COM 33000 Theories of Mass Communication
   COM 30500 News Editing
   COM 30600 Advanced News Reporting and Writing
   COM 31400 Advanced Public Speaking
   OR
   COM 32600 Speech Writing
   OR
   COM 34300 Oral Interpretation
   COM 31800 Principles of Persuasion
   COM 32500 Interviewing: Principles and Practice
   COM 35300 Problems in Public Relations
   COM 43900 Focus Group Research
   COM 46000 Advanced Public Relations

D. Choose 2 of the Following Courses (6 credits)
   COM 21400 Comparative Theories of Interpersonal Communication
   COM 25000 Mass Communication and Society
   COM 32000 Small Group Communication
   COM 32700 International Communication
   COM 33100 Audio Production
   COM 33200 Television Production
   COM 35200 Mass Communication Law
   COM 42000 Intro to Organizational Communication
   COM 44600 Advertising Management
   MGMT 42800

E. Electives (11-20 credits)*

* Suggested Minors: English Literature, Marketing
Visual Communication Design
126 CREDIT HOURS REQUIRED FOR GRADUATION
**Changes to curriculum in progress – see department

A. General Education Requirements (54-61 credits) Plus:

B. Department Core (7-9 credits)
- COM 10300 Freshman Seminar in Communication (or other Freshman Seminar Course 1-3 cr. hrs.)
- COM 20100 Intro to Media Studies
- COM 22800 Intro to Communication Studies

C. Visual Communication Design (VCD) Foundation (12 credits)

D. Visual Communication & Graphic Arts Core (3 credits)
- A&D 11200 Graphic Arts I: Typography
- A&D 20400 Graphic Arts II: Digital Imaging
- A&D 40300 Portfolio Process & Presentation
- COM 30900 Visual Communication
- COM 44600 Advertising Management
- MGMT 42800
- CGT 11100 Design for Visualization and Communication
- CGT 14100 Internet Foundations, Technologies & Development
- CGT 21600 Vector Imaging for Computer Graphics
- CGT 35300 Principles of Interactive & Dynamic Media (Flash)
- CGT 30800 Pre-Press Production

D. Choose 6 of the Following Courses (18 credits)
- A&D 10500 Design I
- A&D 10600 Design II
- A&D 11300 Basic Drawing
- A&D 11400 Drawing II
- CGT 11700 Illustrating for Visualization & Comm
- CGT 14100 Internet Foundations, Technologies & Development
- CGT 21100 Raster Imaging for Computer
- COM 25300 Intro to Public Relations
- COM 31400 Advanced Public Speaking
- COM 31500 Speech Com of Technical Information
- COM 32300 Business & Professional Speaking
- COM 31800 Principles of Persuasion
- COM 32000 Small Group Communication
- COM 32500 Interviewing: Principles & Practice
- COM 35200 Mass Communication Law
- COM 40300 Communication Ethics
- COM 44600 Advertising Management
- PSY 33900 Advanced Social Psychology
- PSY 38600 Consumer Behavior

MINORS IN COMMUNICATION STUDIES

General Communication Minor
18 CREDIT HOURS
- COM 11400 Fundamentals of Speech Communication
- COM 20100 Introduction to Media Studies
- COM 21400 Theories of Interpersonal Communication
- COM 22500 Introduction to Rhetoric and Social Influence
- COM 31800 Principles of Persuasion

Health Communication Minor
15 CREDIT HOURS
Required (4 classes or 12 credits)
- COM 21400 Theories of Interpersonal Communication
- COM 36500 Communication and Aging
- COM 37100 Health Communication
- PHIL 32400 Ethics for the Professions
- PHIL 32500 Ethics and Public Health
Elective (1 class or 3 credits)
- BIOL 12500 Invitation to Human Biology
- SOC 44000 Sociology of Health and Illness
- PSY 53500 Psychology of Death and Dying
- MGMT 42100 Promotions Management
- MGMT 42400 Consumer Behavior

Organizational Communication Minor
15 CREDIT HOURS
Required (3 classes or 9 credits)
- COM 32000 Small Group Communication
- COM 32500 Interviewing: Principles & Practice
- COM 42000 Intro to Organizational Communication
Electives (2 classes or 6 credits)
- COM 21400 Interpersonal Communication
- COM 30000 Intro to Communication Research Methods
- COM 31800 Principles of Persuasion
- COM 32200 Leadership in Organizations
- COM 32300 Business and Professional Speaking

Political Communication Minor
18 CREDIT HOURS
Required (4 classes or 12 credits)
- COM 31800 Principles of Persuasion
- COM 51700 Political Communication
- POL 20000 Introduction to Political Science
- POL 31400 The Presidency and the Policy Process
- OR
- POL 31500 Public Opinion and Elections
Electives (2 classes or 6 credits)
- COM 20100 Introduction to Media Studies
- COM 22800 Intro to Communication Studies
- COM 22500 Introduction to Rhetoric and Social Influence
- COM 31900 The Rhetorical Tradition
- COM 44600 Advertising Management
- MGMT 42800
- POL 13000 Introduction to International Relations
- POL 35400 Civil Liberties and the Constitution

Technical Communication Minor
15 CREDIT HOURS
Required (4 courses or 12 credits)
- COM 31500 Speech Communication of Technical Information
- COM 32500 Interviewing: Principles & Practice
- ENGL 22000 Technical Report Writing
ENGL 42000 Business Writing
OR
ENGL 42300 Technical Publications Writing

Elective (1 course or 3 credits):
- COM 20100 Intro to Media Studies
- COM ______

MINORS IN MEDIA STUDIES

Advertising Minor
18 CREDIT HOURS

Required (4 classes or 12 credits)
- COM 25600 Introduction to Advertising
- COM/MGMT 42900 Advertising Campaigns
- COM 44600 Advertising Management
- MGMT 42800
- BA 22400 Principles of Marketing

Electives (2 classes or 6 credits)
- COM 25300 Introduction to Public Relations
- COM 30000 Intro to Comm Research Methods
OR
- COM 44800 Applied Mass Media Research
- COM 30900 Visual Communication
- COM 44300 Advertising Media
- MGMT 42100 Promotions Manager
- MGMT 42400 Consumer Behavior

Broadcasting Minor
18 CREDIT HOURS

Required (4 classes or 12 credits)
- COM 30900 Visual Communication
- COM 33100 Audio Production
- COM 33200 Television Production
- COM 44100 Advanced Television Production

Electives (2 classes or 6 credits)
- COM 34700 Radio and TV Performance
- COM 44600 Advertising Management
- MGMT 42800
- COM 43600 Script Writing
- COM 44500 Television Editing

Journalism Minor
18 CREDIT HOURS

Required (4 classes or 12 credits):
- COM 20100 Introduction to Media Studies
- COM 25500 Introduction to News Reporting and Writing
- COM 30500 News Editing
- COM 30600 Advanced News Reporting and Writing

Electives (2 classes or 6 credits):
- COM/ENGL 30200 Publications Design
- COM 32500 Interviewing: Principles & Practice
- COM 33400 Journalism for Electronic Media
- COM 35200 Mass Communication Law
- COM 40300 Communication Ethics
- COM/ENGL 45100 Magazine Journalism
- ENGL 40600 Review Writing

Media and Culture Minor
18 CREDIT HOURS

Required (4 classes or 12 credits):
- COM 23600 Media and Culture
- COM 25000 Mass Communication and Society
- COM 33000 Theories of Mass Communication
- COM 44800 Applied Mass Communication Research
OR
- COM 46300 Mass Media Criticism

Electives (2 classes or 6 credits):
- COM 22500 Introduction to Rhetoric and Social Influence
- COM 31800 Principles of Persuasion
- COM 32700 International Communication
- COM 47000 Women and the Media
- COM 47500 Ethnic Identity and Film
- COM 49000 Special Topics in Communication

Public Relations Minor
18 CREDIT HOURS

Required (4 classes or 12 credits):
- COM 25300 Introduction to Public Relations
- COM 25500 Introduction to News Reporting and Writing
- COM 35300 Problems in Public Relations
- COM 46000 Advanced Public Relations

Electives (2 classes or 6 credits):
- A&D 22200 Introduction to Photography
- COM 22500 Intro to Rhetoric & Social Influence
OR
- COM 31900 The Rhetorical Tradition
- COM 30500 News Editing
- COM 30600 Advanced News Reporting and Writing
- COM 31800 Principles of Persuasion
- COM 32500 Interviewing: Principles & Practice
- COM 43900 Focus Group Research

Theatre Minor
15 CREDIT HOURS

Required (4 classes or 12 credits):
- THTR 20100 Theatre Appreciation
- THTR 23800 Acting II (with Theatre 138 as pre-requisite)
- THTR 34000 Play Production and Direction
- COM 34300 Fundamentals of Oral Interpretation

Electives (2 classes or 6 credits):
- COM 21300 Voice and Diction
- COM 35400 Radio and TV Performance
- COM 43600 Scriptwriting
- COM 43700 Performance Practicum
- ENGL 38300 Modern Drama
- ENGL 44200 Shakespeare
- THTR _______

ENGL 38300 Modern Drama
ENGL 44200 Shakespeare
THTR ________
Visual Communication Design Minor
18 CREDIT HOURS

Required (4 classes or 12 credits):
- A&D 11200 Graphic Arts I: Typography
- A&D 20400 Graphic Arts II: Digital Imaging
- COM 30900 Visual Communication
- CGT 11100 Design for Communication and Visualization

Electives (2 classes or 6 credits):
- A&D 10500 Design I
- A&D 10600 Design II
- A&D 11300 Basic Drawing
- A&D 11400 Drawing II
- A&D 22200 Intro to Photography
- COM 31800 Principles of Persuasion
- COM 32500 Interviewing Principles & Practice
- COM 44600 Advertising Management
- MGMT 42800

Master of Arts in Communication
36 CREDIT HOURS

The Master’s degree program within the Department of Communication and Creative Arts at Purdue University Calumet offers a broad range of courses covering theories and research methodologies in the following areas: mass communication, interpersonal communication, organizational communication, performance studies, political communication, and rhetoric. The program is highly flexible and allows each graduate student to plan his/her course of study in consultation with a graduate faculty or advisor. After admission into the program, students will meet with advisor to determine their course of study based on their interests and professional goals.

The program was originally designed to meet the needs of individuals who live and work in northwest Indiana and who want to complete advanced courses of study in communication studies. Today, a diverse student body—including international—is enrolled in the program. Numerous graduate students have successfully completed the program to qualify for career advancement, to prepare for doctoral study, or to satisfy their own curiosity about the most fundamental human behavior:

Communication.

Admission Requirements (Degree seeking students)
1. Complete on-line application http://www.purduecal.edu/gradschool
2. Three letters of recommendation
3. Applicant’s statement of purpose
4. Two copies of official transcripts from all colleges/universities attended
5. Pay application fee on-line when submitting application

Admission Process
Official Admission
1. An undergraduate grade point average of 3.0, based on a 4.0 scale.
2. An undergraduate degree in Communication, related disciplines, or strong minor.
3. Completion of regular application process (application form, application fee, 2 copies of official transcripts from all colleges/universities attended, 3 letters of recommendation, statement of purpose).

Conditional Admission
1. A prospective student whose overall undergraduate GPA is below 3.0, may be admitted conditionally. He/she is required to maintain a 3.0 graduate index for the first 9–12 credit hours in order to continue in the program. The department may pose other requirements for official admission.
2. Any prospective student may enroll in graduate-level courses, prior to applying for official admission into the graduate program, by completing a temporary (Post-Baccalaureate application form (on-line). These courses (limited to 4 graduate-level courses or 12 credit hours) may be applied toward the degree requirements upon official admission.

Required Coursework
1. All graduate students must complete either COM 58200 or COM 58400 regardless of their program emphasis.
2. A total of 36 credit hours are required for completion of the master’s program.
   - 9 hours of Theory courses
   - 9 hours of Application/Research Methods courses
   - 15 hours of elective work

Students may take graduate level courses outside the department in consultation with their advisors. Please note that no more than 9 hours may be taken outside the department.

Students are permitted two independent studies/directed readings in the course of their studies, which will be listed as a COM 59000 course.

Student may take no more than 6 credit hours at the 40000 level in consultation with their advisors.

Advisor Selection/Examination Committee
1. Upon completion of 9 credit hours, student must select a graduate faculty mentor/advisor (examination committee chair).
2. The student and the advisor will plan a course of study for the remaining 27 credit hours.
3. Prior to the completion of the 24th credit hour, students must select two remaining committee members for their advisory committees.
4. The student and the committee will discuss and determine an appropriate graduation examination format. Usual options include:
   - Comprehensive Exams
   - Conference Quality Paper
   - Performance/Creative Project
   - Thesis

Transfer of Credits
No more than 9 credits (3 courses) from other accredited institutions, taken within 10 years prior to completion of degree program, may be accepted at the discretion of the Department.

More Information
For inquiries and/or further information about the Department, Faculty, Facilities, Assistantships, Courses, and degree offerings, visit our Web site www.purduecal.edu/cca or contact the Department at (219) 989-2393.

Master of Arts in Communication

Required Courses:
- COM 58200 Descriptive/Exp. Research
- COM 58400 Historical/Critical Research

Nine hours of THEORY from the courses listed below:
- COM 50800 Nonverbal Communication
- COM 51200 Interpersonal Communication
- COM 51700 Communication & Politics
- COM 51800 Persuasion
- COM 52000 Small Group Communication
- COM 52100 Rhetoric
- COM 53200 Telecommunication Systems Management
- COM 53400 Comparative Telecommunication
- COM 54500 Oral Interpretation
- COM 56000 Rhetoric & Mass Media
- COM 57400 Organizational Communication
- COM Elective

Nine hours of RESEARCH METHODS/APPLICATION from courses listed below:
- COM 51500 Persuasion & Social Movements
- COM 52500 Advanced Interviewing
- COM 53100 Special Topics in Mass Com
- COM 53300 Documentary Television
- COM 53600 Radio & Television Writing
- COM 53700 Educational/Institutional Media
- COM 54000 Advanced Oral Interpretation
COM 54100  Ensemble Interpretation
COM 55900  Current Trends in Mass Com Research
COM 58300  Research & Assessment in Orgs
COM  Communication Elective*
COM  Communication Elective*

*Depending on the topic and approach, the following courses could fulfill requirements in the above categories. Students need to get the faculty member’s approval to count one of the following as either Theory or Research:

COM 61200  Seminar in Interpersonal Communication
COM 62100  Seminar in Rhetoric
COM 63200  Seminar in Mass Communication
COM 67400  Seminar in Organizational Communication

Fifteen (15) hours of elective coursework

(Please note that no more than 9 hours may be taken outside the department.)
The English Language Program

The English Language Program (ELP) is an academic, intensive English program that aims primarily at assisting international students in developing their English language proficiency to the level needed to pursue their education at Purdue University Calumet. The academic year for ELP students consists of three sessions: Fall Semester; Spring Semester; and Summer Semester. The classes include 1) reading, 2) writing and grammar, 3) speaking and listening, and 4) an elective. Students are given placement tests and are enrolled in one of three levels:

- Level 1, Low-intermediate
- Level 2, High-intermediate
- Level 3, Advanced

Students

All of our students are full-time, studying on F-1 visas, and wishing to start undergraduate and graduate programs in the United States. Upon successful completion of the ELP, undergraduate students are automatically matriculated into degree programs. Graduate students, however, must also pass the TOEFL with a minimum score of 18 writing, 18 speaking, 14 listening, 19 reading, and a total score of 77.

ELP Placement and Exit Criteria

Placement into one of the three levels of proficiency in the English Language Program is based on a placement test conducted at the beginning of each semester. ETS’s SLEP test (which consists of a listening and a reading / grammar sections), is used for placement. This test is complemented by a writing assignment and an interview. Students will be placed in one of three proficiency levels:

- Level 1 (Low-intermediate)
- Level 2 (Intermediate)
- Level 3 (Advanced)

A student placed in level 1, for example, can expect to spend two semesters of English language study in ELP.

Exiting ELP

There are two ways to exit ELP and matriculate into regular degree programs:

- A minimum iBT score of 79 (or 6.5 in IELTS) and passing all ELP classes.
- Successful completion of the advanced level of ELP.

TOEFL and IELTS are not required of undergraduate ELP students; however, these tests still remain in place as requirements for admission into degree programs at Purdue University Calumet.
Hybrid Program
Upon the recommendation of every teacher, a student who does exceptionally well in every high-intermediate (Level 2) class might be allowed to become a part of the hybrid program, a course schedule that is offered only at the advanced level. Hybrid students take three ELP courses and one non-ELP, 3-credit course. This program is also extended to Level 3 students who are repeating individual ELP courses.

These courses may not be substituted for English 10400 or English 10500 nor be counted toward degree requirements. Once students have successfully completed all their ELP courses, they will enroll in English 10000.

Bachelor of Arts, English
Requirements for all Bachelor’s degrees:

1. Communication*
   - ENGL 10800 Adv. Freshman Comp.
   - ENGL 10000 English Comp. I and II
   - ENGL 10400 and 10500
   - COM 11400 Fundamentals Speech Comm

   *State teacher licensing requires nine credits of oral and written expression. Take ENGL 40500 to complete the nine credit hours.

2. Science and Mathematics
   - Twelve credits in science and mathematics with a minimum of three credits in each. No sequence required. Computer Science or Logic acceptable for mathematics.

3. Humanities and Social Sciences
   - Twenty-four credits. One course each from:
     - Literature (ENGL 20100 for lit. and teaching options)
     - Philosophy (not Logic) (may not take PHIL 10600, 10700, 15100 to satisfy this requirement)
     - History
     - Aesthetics (A&D 25500, MUS 25000, ENGL 40500, ENGL 28600, COM 34300, THTR 20100)
     - Economics 21000
     - Psychology 12000
     - Political Science
     - Sociology 10000 or Anthropology

4. Freshman Experience Requirement
   - Philosophy 10700

Bachelor of Arts, English, Literature Option
(129 CREDITS)
Requirements for Bachelor’s degree plus:

English Requirements (42 credits)
- Core (24 credits)

Surveys.
Choose four, with at least one covering pre-1700 Literature (ENGL 24000 or 26000), and at three covering English and American literature:
   - ENGL 24000 Survey English Literature I (Early)
   - ENGL 24100 Survey English Literature II (Late)
   - ENGL 35000 Survey American Literature I (Early)
   - ENGL 35100 Survey American Literature II (Late)
   - ENGL 26000 Survey of World Lit I (Early)
   - ENGL 26100 Survey of World Lit II (Late)

Shakespeare and Literary Theory
   - ENGL 40300 Literary Theory
   - ENGL 44200 Shakespeare

Junior/Senior Seminar
Choose one:
   - ENGL 41100 Studies in Major Authors
   - ENGL 41200 Studies in Genre
   - ENGL 41300 Studies in History and Lit.
   - ENGL 41400 Studies in Lit. and Culture

Linguistics
Choose one:
   - ENGL 30800 Modern English Grammar
   - ENGL 32600 English Linguistics
   - ENGL 32700 English Language I: History and Development

Area Studies (18 credits)

No cross-listed course may be double-counted. Undergraduates are limited to two 50000 level courses.

Genre Courses
Choose one:
   - ENGL 35600 American Humor
   - ENGL 38100 British Novel
   - ENGL 38200 American Novel
   - ENGL 38300 Modern Poetry
   - ENGL 38400 Modern Drama
   - ENGL 38500 African-American Literature
   - ENGL 41200 Studies in Genre
   - ENGL 47900 Short Story

Cultural Courses
Choose two:
   - ENGL 23600 Mothers and Daughters
   - ENGL 28600 The Movies
   - ENGL 31000 Intro Popular Culture
   - ENGL 31200 Ethnic American Women Writers
   - ENGL 32000 By and About Women
   - ENGL 34000 Lit. by Women of Color
   - ENGL 35500 African-American Lit.
   - ENGL 41400 Studies in Lit. and Culture
   - ENGL 45500 American Thought
   - ENGL 58000 Literature and Modern Thought
   - ENGL 58100 Ethical Problems in Modern Lit.
   - ENGL 58400 Lit and Psychological Problems

Historical Courses
Choose three:
   - ENGL 32700 English Language I: History and Development
   - ENGL 33300 Renaissance English Drama
   - ENGL 33500 Restoration and 18th Century English Literature
   - ENGL 35500 African-American Lit.
   - ENGL 38100 British Novel
   - ENGL 38200 American Novel
   - ENGL 38300 Modern Drama
   - ENGL 38600 Film History to 1938
   - ENGL 38700 Film History since 1938
   - ENGL 41300 Studies in History and Lit.
   - ENGL 46200 Bible as Literature I
   - ENGL 46300 Bible as Literature II
   - ENGL 51000 History of English Language
   - ENGL 53100 Eng Novel Through 1800
   - ENGL 53200 Eng Novel in 19th Century
   - ENGL 53300 Tudor Literature
   - ENGL 53400 17th Century Literature
   - ENGL 53500 Early 18th Century Literature
   - ENGL 53600 Later 18th Century Lit.
   - ENGL 53700 English Drama to 1642
   - ENGL 54200 Shakespeare
   - ENGL 54300
   - ENGL 54700 Romantic Movement
   - ENGL 54800 Victorian Literature
   - ENGL 54900 Edwardian Literature
   - ENGL 55400 American Renaissance
ENGL 55600 19th Century American Fiction
ENGL 55800 Rise of Realism
ENGL 55900 Contemporary American Fiction
ENGL 57800 Modern American Fiction
ENGL 57900 Modern British Fiction
ENGL 59300 Contemporary British Fiction

Electives or Minor (30 or 33 credits)

**Bachelor of Arts, English Teaching Option**

(123-139 CREDITS)

Requirements for Bachelor's degree plus:

Students will fulfill their humanities literature requirement with ENGL 20100, which should be taken before other required literature courses. They may fulfill their aesthetics requirement with ENGL 40500.

1. English Requirements
   - ENGL 20100 Nature of Literary Study
   - ENGL 24000 English Literature I
   - ENGL 24100 English Literature II
   - ENGL 26000 World Literature
   - or 26100
   - ENGL 35000 American Literature I
   - ENGL 35100 American Literature II
   - ENGL 40500 Creative Writing
   - ENGL 44200 Shakespeare
   - ENGL 39100 Comp for English Grammar
   - ENGL 30800 Modern English Grammar
   - ENGL 32600 Linguistics
   - ENGL 49200 English Literature in Secondary School

2. English Elective

3. Education Requirements
   - EDPS 22000 Psychology of Learning
   - EDFA 20000 History and Philosophy of Education
   - EDPS 26000 Introduction to Special Education
   - EDCI 35500 Planning and Assessment
   - EDCI 35600 Special Education
   - EDCI 34100 English Teaching in Middle School, Junior High, & High School
   - EDCI 37000 Teaching Students w/Diverse Needs in the K-12 Classroom
   - EDCI 32300 Educational Technology for Teaching and Learning
   - EDCI 36600 Use of Assessment in the K-12 Classroom
   - EDCI 49700 Supervised Teaching

**Admission to Teacher Education:**

Beginning with students admitted to the university Fall 2000, admission to Teacher Education will require nine hours of English beyond ENGL 10400 and ENGL 10500/ENGL 20100 and two literature surveys and a 3.0 GPA in English courses. Additional requirements are listed by the School of Education.

**Bachelor of Arts, English Writing Option**

(123 CREDITS)

Requirements for Bachelor's degree plus:

Core (all students must take 27 credits):
- ENGL/COM 30200 Publications Design
- ENGL 40400 Web Page Design
- ENGL 40500 Creative Writing
- ENGL 40600 Review Writing
- ENGL 42000 Business Writing
- ENGL 42800 Special Topics in Writing
- ENGL 43100 Web Usability: Reading and Writing on the Web
- ENGL 43500 Topics in Writing for Digital Media
- ENGL 43600 Writing for Informational Interactive Media
- ENGL 43700 Writing for Narrative Interactive Media
- ENGL/COM 45100 Magazine Journalism

Options — 9 credit hours
- ENGL 30400 Advanced Composition
- ENGL 42700 Senior Writing Project
- ENGL 42800 Special Topics in Writing
- ENGL 43500 Topics in Writing for Digital Media
- ENGL 48000 Writing Internship (EXL - Designated Experiential Learning course)
- COM 25500 Intro to News Writing
- COM 30500 Intro to News Editing

Note: Students interested in the Writing Internship in journalism or public relations should take COM 25500 and COM 30500. *Variable topics course can be repeated if different topic.

**General Electives**

Electives: 23 or 30 Credit Hours

**Minors in English**

(15 CREDITS)

1. Any 15 credits in English beyond English Composition I and II. Students may concentrate in one area, such as Reading, Writing, Literature, Linguistics, or across areas.

**Certificate in Writing for Interactive Media**

(15 CREDITS)

- ENGL 43100 Web Usability: Writing and Reading on the Web
- ENGL 43600 Writing for Informational Interactive Media
- ENGL 43700 Writing for Narrative Interactive Media
- ENGL 43500 Topics in Writing for Digital Media

Repeated with a different topic for a total of 6 credit hours

*All courses offered on-line

**Bachelor of Arts, Philosophy**

(129 CREDITS)

1. Communication
   - ENGL 10800 Adv. Freshman Comp.
   - OR
   - ENGL 10000/10400/10500 English Comp. I and II
   - COM 11400 Fundamentals Speech Comm.
   - Foreign Language 10100-10200-10300-10400

2. Science and Mathematics

Twelve credits in science and mathematics with a minimum of three credits in each. No sequence required. Computer Science or Logic acceptable for mathematics.

3. Humanities and Social Sciences

One course each from:
- Literature
- Philosophy (not Logic)
- History
- Aesthetics
- Economics 21000
- Political Science
- Psychology 12000
- Sociology 10000 or Anthropology
4. Freshman Experience Requirement

A. Introductory Philosophy
- PHIL 10100 History of Philosophy
- PHIL 11000 Introduction to Philosophy
Acceptable IUN course

B. Ethics: Two of:
- PHIL 11100 Ethics
- PHIL 32400 Ethics for the Professions
Acceptable PHIL 29300, 49000 or IUN course

C. Logic: One of:
- PHIL 12000 Critical Thinking
- PHIL 15000 Intro Logic
Acceptable PHIL 29300, 49000 or IUN course

D. Topic Areas: Two from each group:

Metaphysics/Epistemology
- PHIL 20600 Phil of Religion
- PHIL 21900 Existentialism
- PHIL 22100 Phil of Science
Acceptable PHIL 29300, 49000 or IUN course

History of Philosophy
- PHIL 301 Ancient Philosophy
- PHIL 303 Modern Philosophy
Acceptable PHIL 29300, 49000 or IUN course

E. Philosophy Electives
- Any 2 additional Philosophy courses not used to fulfill the above requirements; may include PHIL 29300, 49000 or IUN courses.

Note: Philosophy students must take two PHIL 49000 classes on different topics.
No single PHIL 49000 may be used to satisfy more than one area requirement.

Minor in Philosophy
(12 CREDITS)
Any 12 credits in Philosophy beyond the general education requirement

Master of Arts, English
(33 CREDITS)

Special Admission Requirements
1. Writing sample
2. Strong undergraduate major or minor in English or equivalent

Requirements for Literature Specialization
- ENGL 50100 Introduction to Literary Methods
- ENGL 60200 Literary Theory
Twenty-seven additional credits at the graduate level. A student may take a combination of up to six hours credit in either two non-English graduate courses or one non-English graduate course and one English course at the 40000 level. The student must take MA Comprehensive Exams or write a MA thesis (see below).

Requirements for the Composition Specialization
- ENGL 50100 Introduction to Literary Methods
- ENGL 59100 Introduction to Composition Theory
- ENGL 60200 Literary Theory
Twenty-four additional credits at the graduate level. At least nine of these credits must be in composition and six must be in literature. In addition, a student may take a combination of up to six hours credit in either two non-English graduate courses or one non-English graduate course and one English course at the 40000 level. The student must take MA Comprehensive Exams or write a MA thesis (see next column).

Exam and Thesis Options
Every MA student must either write a thesis or pass comprehensive exams.
1. Comprehensive Exams
Exams are given to students in their final semester in the MA program based on their coursework. A plan of study must be submitted to the Graduate School Office one semester prior to writing MA exams.
2. Thesis
The student should choose a professor to serve as thesis chair and two other professors to serve on the thesis committee, and complete ENGL 59000 (a directed study preparing a bibliography and prospectus) and ENGL 69800 (writing the thesis). These courses count as credits towards the degree.
Please see the Department of English and Philosophy’s website for additional information about admission and remaining in good standing with the department.
Department of Foreign Languages and Literatures

Maria Luisa Garcia-Verdugo, Head. Faculty: G.R. Barrow; J. Castro-Urioste; E. Flannery; M. Garcia-Verdugo; C. House; U. Jannausch (Emerita); B.E. Kienbaum (Emerita); S. Lombardo; J. Lu; E. Pasko; H. Ramirez-Barradas; J. Román-Lagunas; C. Ruiz (Emeritus); A.J. Russell (Emerita); C. Torres-Robles (Emerita); G. Velez-Rendon

Academic Advisor: J. Navarro
Office Manager: M. Lopez

The programs of the department of foreign languages and literatures develop students’ competence in foreign languages and foster respect for cultural differences among peoples. Languages offered include French, German, Spanish, Japanese.*

Introductory, two semester sequences are offered in Arabic, Chinese, Hebrew, Italian, Lithuanian, Modern Greek, Portuguese, Serbian-Croatian, Swahili and Urdu and Polish if there is enough demand.

The department views learning a foreign language and its culture as a way to foster international understanding in an increasingly interdependent world. Students gain an understanding of the contemporary society of the target culture through its literature and its civilization. The programs emphasize strong interpersonal, writing, and speaking skills, a breadth of knowledge, and a sensitivity to language and culture, all of which are assets for careers.

In the international studies option, the inclusion of a practical range of studies from other disciplines prepares the student for a real-life application of language skills in career settings.

* Minimum grade of C required in Levels I, II, III

International Media Center: Language learning in the department is supported by the International Media Center, a multimedia lab providing state of art technology and the environment necessary to improve foreign language skills and to promote the languages and cultures of many countries.

Study Abroad: The department sponsors a summer study abroad programs in Spain, Mexico and France. These Programs enable students to study, travel, and increase their cultural horizons using the language, culture and civilization of these countries. The department feels strongly believes best way to achieve fluency in another language is to use it in an authentic setting. Study abroad programs provide an intimate encounter with the people and their multi-faceted culture.

Courses in Study Abroad programs may fulfill Experiential Learning requirements.

Foreign Language Experiential Learning courses are: FR 20100, 20200, 26100, 46100, 49000, 51500 and SPAN 20100, 20200, 45100, 48100.

The department encourages international/educational experiences such as study abroad programs and internships. However, departmental approval is required in order to receive credit.

Programs

- Bachelor of Arts in French or Spanish
- Bachelor of Arts in French International Studies
- Bachelor of Arts in Spanish International Studies - Heritage
- Bachelor of Arts in Spanish International Studies - Non-Heritage
- Bachelor of Arts in French or Spanish Teaching
- Bachelor of Arts in Spanish Teaching - Heritage
- Bachelor of Arts in Spanish Teaching - Non-Heritage
- Minors in French or Spanish
- Certificate in Spanish Translation

The following General Education Courses (57 credits) are required for the Bachelor of Arts Degrees:

- Freshman Experience FLL 10300
- ENGL 10000 and/or 10400 and 10500 or 10800 Accelerated First Year Composition
- COM 11400 (only one COM)
- MA or STAT
- LAB Science (Teaching majors must take one Life and one Physical Science)
- CIS 20400 (Required for Teaching majors)
- MA/SCI/STAT/PHIL 15000/F&N 30300
- Literature
- Philosophy (not Logic)
- History
- Aesthetics (A&D 25500, ENGL 40500, MUS 25000, or THTR 20100)
- Economics 21000
- Political Science
- Psychology 12000 (Teaching majors should take EDPS 22000 instead of PSY 12000)
- Sociology 10000 or Anthropology
- Foreign Language (12 hour sequence)
Bachelor of Arts in Foreign Languages: French and Spanish
(127 CREDITS)

School and University Requirements for the Bachelor's degree plus:
1. All of the following courses in the Major Language:
   French
   26100 Composition
   36500 Conversation
   46100 Intermediate Conversation

2. Major Language
   Eighteen credits in courses numbered 40000 or higher

3. Second Foreign Language
4. Minor
5. Electives

Bachelor of Arts, French International Studies
(127 CREDITS)

School and University Requirements for the Bachelor's degree plus:
1. All of the following courses in the Major Language:
   26100 Composition
   30700 Commercial
   36500 Conversation
   46100 Intermediate Composition
   46500 Intermediate Conversation
   51100 Advanced Conversation
   51500 Advanced Composition

2. Culture/Civilization in the Major Language
   One course
3. Major Language Electives approved by advisor
4. Career Emphasis
   Twelve credits of approved electives from such fields as Sociology, Psychology, Information Systems and Computer Programming, Communication, Economics, English, History, Management, Political Science, Hospitality and Tourism Management, and Organizational Leadership and Supervision.
5. Minor or Electives

Bachelor of Arts, Spanish International Studies
Heritage

School and University Requirements for the Bachelor's degree plus:

Spanish International Studies Requirements
A. Major in One Foreign Language
   A student may choose one approved course carrying the major foreign language or FLL prefix, but taught in English.
   SPAN 30600 Spanish Grammar
   SPAN 31300 Spanish for Spanish Speakers I
   SPAN 51500 Advanced Composition
   SPAN 30700 Commercial

B. Multicultural/Multilingual Experience
   *International Educational Experience may include a study abroad (HIGHLY RECOMMENDED); an experience supervised by the department such as reports, journals, research papers, assignment requirements and proof of completion; or a supervised senior project on an international topic or a contemporary issue (1-6 credits).
   FLL 49000 – SPAN 40800, SPAN 49000

Option One:
3 cr. hours *International Educational Experience approved by the department
3 cr. hours *International Educational Experience approved by the department

Option Two:
3 cr. hours *International Educational Experience approved by the department.
3 cr. hours Practicum approved by the department.

C. Two Foreign Language courses
   These include departmental credits (issued after passing a course) and coursework in any one language taught at Purdue University Calumet or credits transferred from another university.

D. International Focus
   Coursework with an international focus in the major or such areas as political science, management, history, economics, film, tourism, literature or another language.

E. Career Emphasis
   Advisor-approved from fields such as sociology, communication, English, supervision, computer information, management, political science, history, hospitality and tourism management, foreign languages other than the major or a combination of foreign languages/FLL courses (10100 without 10200 is not acceptable).

Electives
Open Electives

Bachelor of Arts, Spanish International Studies
Non-Heritage

School and University Requirements for the Bachelor's degree plus:

Spanish International Studies Requirements
A. Major in One Foreign Language
   A student may choose one approved course carrying the major foreign language or FLL prefix, but taught in English.
   SPAN 26100 Composition
   SPAN 30600 Spanish Grammar
   SPAN 30700 Commercial
   SPAN 36500 Conversation
   SPAN 46100 Intermediate Composition
   SPAN 46500 Intermediate Conversation
   SPAN 51100 Advanced Conversation

Culture or Civilization
   (Choose one: Spain or Latin America)
   FLL 39000, FLL 49000 – SPAN 39000, SPAN 41300, SPAN 45100, SPAN 48100, SPAN 48200, SPAN 49000

Elective
   (A student may choose one course from Literature, Culture or Civilization, but the course may NOT have the same focus as the required Culture or Civilization.)

Elective
   (A student may choose any 4 elective courses from: SPAN or FLL prefix in Civilization, Culture, Literature, Special Topics, SPAN 31400, SPAN 51100 or FLL 46400)

Elective

Elective

B. Multicultural/Multilingual Experience
   *International Educational Experience may include a study abroad (HIGHLY RECOMMENDED); an experience supervised by the department such as reports, journals, research papers, assignment requirements and proof of completion; or a supervised senior project on an international topic or a contemporary issue (1-6 credits).
   FLL 49000 – SPAN 40800, SPAN 49000

Option One:
3 cr. hours *International Educational Experience approved by the department
3 cr. hours *International Educational Experience approved by the department

Option Two:
3 cr. hours *International Educational Experience approved by the department.
3 cr. hours Practicum approved by the department.

C. Two Foreign Language courses
   These include departmental credits (issued after passing a course) and coursework in any one language taught at Purdue University Calumet or credits transferred from another university.

D. International Focus
   Coursework with an international focus in the major or such areas as political science, management, history, economics, film, tourism, literature or another language.

E. Career Emphasis
   Advisor-approved from fields such as sociology, communication, English, supervision, computer information, management, political science, history, hospitality and tourism management, foreign languages other than the major or a combination of foreign languages/FLL courses (10100 without 10200 is not acceptable).

Electives
Open Electives
Bachelor of Arts, Spanish Teaching Heritage and Non-Heritage
(127-130 CREDITS)

1. Spanish Teaching Heritage
   SPAN 31300 Spanish for Spanish Speakers I
   SPAN 31400 Spanish for Spanish Speakers II
   SPAN 30600 Spanish Grammar
   SPAN 30400 Readings from the Hispanic World
   SPAN 45100 Spanish Civilization
   OR
   SPAN 48100 Spanish Culture
   SPAN 48200 Latin American Civilization
   SPAN 51100 Advanced Conversation
   SPAN 51500 Advanced Composition
   SPAN 40500 Intro to Spanish Literature I
   OR
   SPAN 40600 Intro to Spanish Literature II
   SPAN 43500 Spanish American Literature to Modernism
   OR
   SPAN 43600 Spanish American Literature from Modernism to Present
   SPAN 42700 Spanish Linguistics
   SPAN Electives – 6 credits
   Any 10100 foreign language course other than SPAN or ENGL

2. Spanish Teaching Non-Heritage
   SPAN 36500 Conversation
   SPAN 26100 Composition
   SPAN 30600 Spanish Grammar
   SPAN 30400 Readings from the Hispanic World
   SPAN 46500 Intermediate Conversation
   SPAN 46100 Intermediate Composition
   SPAN 45100 Spanish Civilization
   OR
   SPAN 48100 Spanish Culture
   SPAN 48200 Latin American Civilization
   SPAN 51100 Advanced Conversation
   SPAN 51500 Advanced Composition
   SPAN 40500 Intro to Spanish Literature I
   OR
   SPAN 40600 Intro to Spanish Literature II
   SPAN 43500 Spanish American Literature to Modernism
   OR
   SPAN 43600 Spanish American Literature from Modernism to Present
   SPAN 42700 Spanish Linguistics
   SPAN Electives – 6 credits
   Any 10100 foreign language course other than SPAN or ENGL

3. Education Requirements
   EDPS 22000 Psychology of Learning
   EDFA 20000 History and Philosophy of Education
   EDPS 26000 Introduction to Special Education
   EDCI 35500 Planning and Assessment
   EDPS 26000 Special Education
   EDCI 34200 Foreign Language instruction in Middle School, Junior High, & High School
   EDCI 32000 Teaching Students w/Diverse Needs in the K-12 Classroom
   EDCI 32300 Educational Technology for Teaching and Learning
   EDCI 36600 Use of Assessment in the K-12 Classroom
   EDCI 49700 Supervised Teaching
   **Admission to Teacher Education required.
   (127-130 CREDITS)

Bachelor of Arts, French Teaching
(124–130 CREDITS)

School and University Requirements for the Bachelor's degree plus:

1. French Courses
   FR 26100 Composition
   FR 36500 Conversation
   FR 46100 Intermediate Composition
   FR 46500 Intermediate Conversation
   FR 51100 Advanced Conversation
   two literature
   one civilization
   one culture
   two electives
   (Highly recommended as an Elective is FLL 46400, Comparative Study of Modern Languages.)
   (A student may choose one approved course, in addition to FLL 46400, carrying the major foreign
   language or FLL prefix, but taught in English.)

2. Education Requirements
   EDPS 22000 Psychology of Learning
   EDCI 35500 Planning and Assessment
   EDPS 37000 Foreign Language instruction in Middle School, Junior High, & High School
   EDCI 32300 Educational Technology for Teaching and Learning
   EDCI 36600 Use of Assessment in the K-12 Classroom
   EDCI 49700 Supervised Teaching
   **Admission to Teacher Education required.

Electives
   Open Electives

Elective
   A student may choose any 4 elective courses from: SPAN or FLL prefix in Civilization, Culture,
   Literature, Special Topics, SPAN 31400, SPAN 51100 or FLL 46400

B. Multicultural/Multilingual Experience
   *International Educational Experience may include a study abroad (HIGHLY RECOMMENDED);
   an experience supervised by the department such as reports, journals, research papers, assignment
   requirements and proof of completion; or a supervised senior project on an international topic or a
   contemporary issue (3-6 credits).
   FLL 49000 - SPAN 40800, SPAN 49000
   Option One:
   3 cr. hours *International Educational Experience approved by the department.
   3 cr. hours *International Educational Experience approved by the department.
   OR
   Option Two:
   3 cr. hours *International Educational Experience approved by the department.
   3 cr. hours Practicum approved by the department.

C. Two Foreign Language courses
   These include departmental credits (issued after passing a course) and coursework in any one
   language taught at Purdue University Calumet or credits transferred in from another university.

D. International Focus
   Coursework with an international focus in the major or such areas as political science, management,
   history, economics, film, tourism, literature or another language.

E. Career Emphasis
   Advisor-approved from fields such as sociology, communication, English, supervision, computer
   information, management, political science, history, hospitality and tourism management, foreign
   languages other than the major or a combination of foreign languages/FLL courses (70100 without
   10200 is not acceptable).

Bachelor of Arts, French Teaching
(124–130 CREDITS)

School and University Requirements for the Bachelor's degree plus:

1. French Courses
   FR 26100 Composition
   FR 36500 Conversation
   FR 46100 Intermediate Composition
   FR 46500 Intermediate Conversation
   FR 51100 Advanced Conversation
   two literature
   one civilization
   one culture
   two electives
   (Highly recommended as an Elective is FLL 46400, Comparative Study of Modern Languages.)
   (A student may choose one approved course, in addition to FLL 46400, carrying the major foreign
   language or FLL prefix, but taught in English.)

2. Education Requirements
   EDPS 22000 Psychology of Learning
   EDFA 20000 History and Philosophy of Education
   EDPS 26000 Introduction to Special Education
   EDCI 35500 Planning and Assessment
   EDPS 26000 Special Education
   EDCI 34200 Foreign Language instruction in Middle School, Junior High, & High School
   EDCI 37000** Teaching Students w/Diverse Needs in the K-12 Classroom
   EDCI 32300 Educational Technology for Teaching and Learning
   EDCI 36600 Use of Assessment in the K-12 Classroom
   EDCI 49700** Supervised Teaching
   **Admission to Teacher Education required.

Bachelor of Arts, French Teaching
(124–130 CREDITS)

School and University Requirements for the Bachelor's degree plus:

1. French Courses
   FR 26100 Composition
   FR 36500 Conversation
   FR 46100 Intermediate Composition
   FR 46500 Intermediate Conversation
   FR 51100 Advanced Conversation
   two literature
   one civilization
   one culture
   two electives
   (Highly recommended as an Elective is FLL 46400, Comparative Study of Modern Languages.)
   (A student may choose one approved course, in addition to FLL 46400, carrying the major foreign
   language or FLL prefix, but taught in English.)

2. Education Requirements
   EDPS 22000 Psychology of Learning
   EDFA 20000 History and Philosophy of Education
   EDPS 26000 Introduction to Special Education
   EDCI 35500 Planning and Assessment
   EDPS 26000 Special Education
   EDCI 34200 Foreign Language instruction in Middle School, Junior High, & High School
   EDCI 37000** Teaching Students w/Diverse Needs in the K-12 Classroom
   EDCI 32300 Educational Technology for Teaching and Learning
   EDCI 36600 Use of Assessment in the K-12 Classroom
   EDCI 49700** Supervised Teaching
   **Admission to Teacher Education required.
Foreign Language Minor
(15 CREDITS)
Fifteen credits of coursework (not to include departmental credit) beyond 20200, including a course in composition and a course in conversation. (Courses must be in the same language.)

Certificate – Spanish Translation
(18 CREDIT HOURS REQUIRED FOR CERTIFICATE COMPLETION)
Required courses:
- SPAN 37300 Spanish Translation
- SPAN 47300 Intermediate Spanish Translation
- SPAN 51500 Advanced Spanish Composition
- ENGL 26000 Introduction to World Literature: to 1700
- ENGL 26100 Introduction to World Literature: since 1700
- ENGL 42000 Business Writing

Highly recommended additional courses (3 class hrs. ea.):
- SPAN 30600 Spanish Grammar
- SPAN 30700 Commercial Spanish
- SPAN 40500 Introduction to Spanish Literature I
- SPAN 40600 Introduction to Spanish Literature II
- SPAN 43500 Spanish American Literature to Modernism
- SPAN 43600 Spanish American Literature from Modernism to Present
- ENGL 24000 Survey of the Literature of England: from the beginnings
- ENGL 24100 Survey of the Literature of England: from the Rise of Romanticism to the Modern Period
- ENGL 35000 Survey of American Literature from its beginnings to 1865
- ENGL 35100 Survey of American Literature from 1865 to the Post World War II Period
- ENGL 38100 The British Novel
- ENGL 42300 Technical Publications Writing
Department of History and Political Science

Richard Rupp, Head. Faculty: J. Bigott; F. Colucci; E. G. De Felice; M. Eisenstein; M. W. H. Grote (Emeritus); G. Hong; F. Jackson; M. J. Joyce; E. P. Keleher (Emeritus); S. Lerner; V. Martinez; D. Pierce (Emerita); W. St. Jean; A. Clark; T. Stabler; L. Rademacher; M. Rincker; N. L. Trusty (Emeritus); R. A. Van Orman (Emeritus);
Academic Advisor: S. VanTil
Office Manager: S. Schultz

The Department of History and Political Science provides programs that offer students an understanding of the development of civilizations and the nature of political behavior within and among nations. The History program is designed to give students comprehension of past institutions, traditions, events, and individuals. This program helps students to develop broad perspectives, assess and analyze the events of their time, and cultivate intellectual growth, research and writing skills and capabilities, critical thinking, and preparation for careers in teaching, graduate and law school, and business.

The program in Political Science provides a social scientific and analytical understanding of the rights and obligations of the citizen, knowledge of the role and operation of government, awareness of international relations and comparative government, an appreciation of public policy issues, and preparation for entry into such professions as law, teaching, law enforcement, and business. Within the Political Science Major, the department also offers a Criminal Justice Option for those interested in careers in law enforcement.

Thus, both History and Political Science programs help students develop skills in research, writing, and critical analysis and provide essential grounding for participation in a variety of career options and human activities.

The Social Studies Teaching Major is housed within the department of History and Political Science. This program, cooperatively developed and supported by the Department and by the School of Education, is specifically designed to provide preparation for teachers of social studies.

 Majors in History, Political Science, or Social Studies teaching are excellent preparation for a variety of activities requiring a solid liberal arts background. Internship and Experiential Learning within the majors provide work experience that makes the education more meaningful for students and, on graduation, make students more attractive to employers.

Programs
- Bachelor of Arts, History
- Bachelor of Arts, Political Science
- Bachelor of Arts, Political Science, Option in Criminal Justice
- Bachelor of Arts, Social Studies Teaching
- Master of Arts, History
- Minors in Political Science and History

The Following General Education Courses (54-57 credits) are required for the

Bachelor of Arts Degrees:
- ENGL 10000/10400–10500 or 10800
- COM 11400
- CIS 20400
- MA or STAT
- LAB Science
- PHIL 15000 or F&N 30300 or any MA/SCI/STAT/CIS
- Literature
- Philosophy (not Logic)
- History
- Aesthetics (A&D 25500, ENGL 40500, MUS 25000, or THTR 20100)
- Economics 21000
- Political Science 10100
- Psychology 12000
- Sociology 10000 or Anthropology
- Foreign Language 12-hour sequence: French, German, Spanish or Japanese
Bachelor of Arts, History
(127 CREDITS)

General Education Requirements
HIST 10600 Freshman Experience

Nine hours of 100 level history courses

Research and methods in History:
HIST 29500 History and Writing
HIST 36900 Research in History

Two American (U.S.) History Courses

Two Non-American (Non-U.S.) History Courses

Twelve additional hours of History at 30000 level or higher

Electives or Minor (28 or 31 credits)

History Minor
(15 CREDITS)

HIST 15100 or HIST 15200; HIST 11000 or HIST 10400; and nine credits of History courses above the 29900-level

Bachelor of Arts, Political Science
(127 CREDITS)

POL 20000 Intro. to the Study of Political Science (Freshman Experience)
POL 30000 Introduction to Political Analysis

Three courses chosen from 2 of the 3 Areas of Political Science
(one of these courses must be numbered 30000 or higher) (6 credit hours)

Six other 3-credit courses in political science, at least two of which shall be numbered 40000 or higher. Students must select one course from two areas other than those in requirement

POL 40100 Practicum in Local Government, OR
POL 40600 Internship in Public Agency, OR Study Abroad (3 credit hours)
POL 49100 Senior Seminar

The three AREAS of Political Science
(For area assignment of courses not listed below contact departmental advisor)

AREA 1: American Political Systems, Processes, and Behavior:

AREA 2: Political Theory and Methodology:

AREA 3: International Relations and Comparative Political Systems, Processes, and Behavior:

Electives and/or Minor Requirements (34 or 37 credits)

Bachelor of Arts, Political Science, Criminal Justice Option
(127 CREDITS)

Freshman Experience (POL 20000)

Political Science — Criminal Justice (42 credits)
The following basic courses:

POL 13000 Introduction to International Relations OR
POL 14100 Government of the World
POL 30000 Introduction to Political Analysis

All of the following advanced-level courses:

POL/SOC 34300 Introduction to the Criminal Justice System
POL 34600 Law and Society
SOC 42100 Juvenile Delinquency
POL 30700 Victimology
HIST 32500 History of Crime

Bachelor of Arts, Social Studies Teaching

1. General Education and School Requirements

HIST 10600 Freshman Experience
ENGL 10800 Adv. Freshman Comp.
OR
ENGL 10000/10400 & 10500 English Comp. I and II
COM 11400 Fund. Speech Comm.
Foreign Language: 10100-10200, 20100-20200
(French, German, Spanish or Japanese)

2. Science and Mathematics

3 credits of Mathematics or Statistics
3 credits of Life Science (NRES/SCI 10300, 10400, 10500, 11400)
3 credits of Physical Science (CHM/EAS/ASTR/SCI 11200 or 11300)
Computer Utilization (CIS 20400)

3. Humanities and Social Sciences

One course each from:
Literature
Philosophy
History
Aesthetics (A&D 25500, MUS 25000, THTR 20100, ENGL 40500, or PHIL 10600)
Economics (including ECON 21000, ECON 37500/HIST 37400, or ECON 25100)
Political Science
Psychology (EDPS 2200 fulfills this requirement)
Sociology or Anthropology

Social Studies Requirements:
Three 15-24 credit hour intensive areas must be taken from among Economics, Government, Historical Perspectives, Psychology, and Sociology. (3.0 GPA required in each prior to student teaching.)

Description of Intensive Areas for Social Studies Teaching:

Economics: (Minimum Math prerequisite for this area is MA 15300)
ECON 25100 Microeconomics
ECON 25200 Macroeconomics

Plus three courses from the following list below:

Social Studies Requirements:

ECON 31100 Environmental Economics
ECON 32200 Public Finance

Bachelor of Arts, History

Bachelor of Arts, Political Science

Bachelor of Arts, Social Studies Teaching

Bachelor of Arts, History
**Master of Arts, History**  
(33 CREDITS)

**Special Admission Requirements**
Scores from the Graduate Record Exam or GRE (at the discretion of the department) may be required. The GRE is mandated for students with an undergraduate GPA below 3.0/4.0.

- An undergraduate History major or a strong minor.
- Completion of the application process (submission of official transcripts of all undergraduate work, three recommendations, a 300 to 500-word essay on why the student wishes to attend graduate school and a completed on-line application form). The student may take as many as 12 credits in a temporary or post-baccalaureate status prior to being admitted to the program.

**Degree Requirements**

**Non-Thesis option (33 cr.)** divided into primary area (27 cr.) and related area (6 cr.). Related areas need not be in History. All classes must be 50000- or 60000-level.

- At least 12 credits of History at 60000 level.
- Written and/or oral comprehensive examinations after completion of coursework.

**Thesis option (30 to 33 cr.)** divided into primary area (24 to 27 cr.) and related area (6 cr.). Related areas need not be in History. All classes must be 50000- or 60000-level.

- At least 12 credits of History at 60000 level, including at least three credits of thesis enrollments.
- Completion of a thesis, in accordance with criteria of the Graduate School.
- Defense of thesis.

**Transfer of Credit**
No more than two courses from another accredited institution.
Department of Hospitality and Tourism Management

Michael J. Flannery, Head.  Faculty:  N. A. Faiola;  G. A. Farley;  R. A. Fields;  J. L. Hack;  J. M. Pluckebaum (Emerita);  W. N. Stocks;  D. L. Vorwald;  M. B. West (Emerita)
Academic Advisors:  C. Browder
Office Manager:  J. Rhyne

The department of Hospitality and Tourism Management is designed to offer students a broad-based curriculum, combining a strong liberal arts education with a management focus. It is an interdisciplinary degree that ensures a solid business foundation and a genuine grasp of all aspects of the hospitality industry including food & beverage management, gaming, recreation, private club administration, travel and tourism activities, event and conference planning, convention and visitors bureaus, and more. This foundation of knowledge is coupled with practical learning about how to organize, supervise and manage employees, which will serve you very well in an industry that requires experiential and practical learning integrated with classroom theories.

The hospitality industry is the fastest growing business sector in the world, and globalization has brought about an explosion in career opportunities. The Hospitality and Tourism Management department offers bachelor degree programs; certificate programs are also available. The department offers courses in a variety of academic and experiential learning contexts. Industry practicum experience is required in both the general hospitality and tourism management and fitness management programs. This means prospects abound for internships and experiential learning opportunities.

The centerpiece of experiential learning for Hospitality and Tourism Management is the White Lodging Hospitality and Tourism Management (HTM) Center which features state-of-the-art kitchen spaces, wine & beverage laboratory and a management simulation computer lab. In the HTM laboratories, students are introduced to state-of-the-art computer software used in the hospitality industry and operational foods/restaurant facilities. These laboratories also allow students to engage in simulated experiments and analysis of data from classroom experimental projects.

Programs

- Bachelor of Science, Hospitality and Tourism Management
- Bachelor of Science, Hospitality and Tourism Management, option in Fitness Management
- Certificate in Hospitality
- Certificate in Nutrition and Health Management
- Certificate in School Nutrition and Food Services
- Minors in Hospitality Management, Foods and Nutrition, Recreational Sports Management

Certificates

Certificates are designed for non-traditional students employed full-time in responsible positions in the hospitality or fitness industry.

Certificate in Hospitality

(18–19 CREDITS)

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTM 14100</td>
<td>Financial Accounting for the Service Industries</td>
</tr>
<tr>
<td>HTM 21200</td>
<td>Organization &amp; Management in the Hospitality and Tourism Industry</td>
</tr>
<tr>
<td>HTM 23100</td>
<td>Hospitality and Tourism Marketing</td>
</tr>
<tr>
<td>HTM 30100</td>
<td>Hospitality and Tourism Industry Practicum</td>
</tr>
<tr>
<td>HTM 31200</td>
<td>Human Resources Management Service Industry</td>
</tr>
</tbody>
</table>

Elective Courses

Completion of two courses in ONE of these six areas:

- Restaurant Management:
  - FM 20300, HTM 31400, HTM 32200, OR HTM 49100

- Hotel Management:
  - HTM 18100, HTM 32200, HTM 33100, OR HTM 49100

- Institutional Management:
  - FM 20300, HTM 19100, HTM 32200, OR HTM 36100

- Tourism Management:
  - HTM 33100, HTM 37100, HTM 37200, OR SPAN 10600

- Casino Management:
  - HTM 18100, HTM 31600, HTM 34100, OR HTM 49100

- Private Club Management:
  - HTM 31500, HTM 32200, HTM 33100 OR HTM 49100

Certificate in Nutrition and Health Management

(18 CREDITS)

Required courses

- F&N 10500  Current Issues in Nutrition and Food Safety
- F&N 26100  Nutrition for Health, Fitness and Sports
- FM 10000s  Individualized Wellness Strategies — (2 areas of 1 cr. each)
- FM 21900  Issues and Problems in Health
- FM 30100  Recreation Leadership
- HTM 31500  Private Club Management and Operation

Elective (3 credits)

Any HTM, F&N or FM course

Certificate in School Nutrition and Food Services

(25 CREDITS)

Required courses

- HTM 21200  Organization and Management in the Hospitality Industry
- HTM 24100  Managerial Accounting & Financial Management in Hospitality Operations
- HTM 25100  Computers in the Hospitality Industry
- HTM 31000  Hospitality and Tourism Industry Practicum
- HTM 31100  Procurement Management for Food Service
- HTM 31200  Human Resources Management for the Service Industries
- HTM 32200  Hospitality Facilities Management
- HTM 36100  Managed Services for the Food Service Industry
Bachelor of Science, Hospitality and Tourism Management
(129 CREDITS)

1. Communication (12 credits)
   - ENGL 10000/10400 English Composition I
   - ENGL 10500 English Composition II
   - ENGL 42000 Business Writing

2. Science and Mathematics (12 credits)
   - STAT 13000 Statistics and Contemp. Life
   - CIS 20400 Introduction to Computer-based Systems
   - MA/SCI Elective course in Math, Science, Computer Science or Logic
   - SCIENCE Elective course in Science with laboratory

3. Humanities, Social and Behavioral Sciences (18 credits)
   - ECON 21000 Economics (or higher)
   - PSY 12000 Elementary Psychology
   - SOC 10000 Introduction to Sociology
   - SPAN 10600 Spanish for Business
   - Humanities Elective Any courses in A&D, ENGL Lit., FLL, HIST, MUS, PHIL, OR THTR
   - Soc. Science Elective ANTH, ECON, POL, PSY, OR SOC course

4. Hospitality and Tourism Management Requirements (77 credits) A grade of "C" or better is required in all F&N, FM and HTM courses.
   - F&N 20300 Foods: Their Selection and Preparation
   - F&N 30300 Essentials of Nutrition
   - HTM 10000 Intro. Hospitality and Tourism Industry
   - HTM 10100 Hospitality and Tourism Student Seminar
   - HTM 14100 Financial Accounting for the Service Industries
   - OR
   - MGMT 20000 Introductory Accounting
   - HTM 18100 Lodging Management
   - HTM 19100 Sanitation and Health in Foodservice, Lodging and Tourism
   - HTM 21200 Organization & Management in Hospitality and Tourism Industry
   - HTM 23100 Hospitality and Tourism Marketing
   - HTM 24100 Managerial Accounting and Financial Management
   - HTM 29100 Quantity Food Production and Service
   - HTM 30100 Hospitality and Tourism Industry Practicum
   - HTM 31100 Procurement Management for Foodservice
   - HTM 31200 Human Resources Management for the Service Industries
   - HTM 32200 Hospitality Facilities Management
   - HTM 34100 Cost Controls in Foodservice and Lodging
   - HTM 37100 Introduction to Tourism
   - HTM 41100 Hospitality and Tourism Law
   - HTM 49101 Sales & Service for Beverage Operations (Must be 21 years old)
   - HTM 49200 Advanced Foodservice Management
   - HTM 49900 Electives courses and Business Development
   - HTM/F&N Electives (12 credits)

5. Electives (18 credits)

Bachelor of Science, Hospitality and Tourism Management, Fitness Management Option
(129 CREDITS)

1. Communication (12 credits)
   - ENGL 10000/10400 English Composition I
   - ENGL 10500 English Composition II
   - ENGL 42000 Business Writing

2. Science and Mathematics (17 credits)
   - STAT 13000 Statistics and Contemp. Life
   - CIS 20400 Introduction to Computer-based Systems
   - BIOL 21300 Anatomy and Physiology I
   - BIOL 21400 Anatomy and Physiology II
   - CHM 11900 General Chemistry

3. Humanities, Social and Behavioral Sciences (15 credits)
   - ECON 21000 Economics (or higher)
   - PSY 12000 Elementary Psychology
   - SOC 10000 Introduction to Sociology
   - Humanities Elec. Elective Any courses in A&D, ENGL Lit., FLL, HIST, course in MUS, PHIL, OR THTR
   - SOC 43000 Sociology of Aging
   - OR
   - CDFS 21000 Intro. Human Development

4. Fitness Management Requirements (66 credits)
   - A grade if "C" or better is required in all F&N, FM and HTM Courses.
   - F&N 10500 Current Issues in Nutrition and Food Safety
   - F&N 20300 Foods: Their Selection and Preparation
   - F&N 26100 Nutrition for Health, Fitness, and Sports
   - F&N 30300 Essentials of Nutrition
   - F&N 32200 Community Nutrition & Health Promotion Entrepreneurship
   - F&N 36000 Nutrition for Aging
   - HTM 10000 Intro. Hospitality and Tourism Industry
   - HTM 10100 Hospitality and Tourism Student Seminar
   - HTM 14100 Financial Accounting for the Service Industries
   - OR
   - MGMT 20000 Introductory Accounting
   - HTM 21200 Organization & Management in Hospitality and Tourism
   - HTM 23100 Hospitality and Tourism Marketing
   - HTM 24100 Managerial Accounting and Financial Management
   - HTM 29100 Quantity Food Production and Service
   - HTM 30100 Hospitality and Tourism Industry Practicum
   - HTM 31100 Procurement Management for Foodservice
   - HTM 31200 Human Resources Management for the Service Industries
   - HTM 32200 Hospitality Facilities Management
   - HTM 34100 Cost Controls in Foodservice and Lodging
   - HTM 37100 Introduction to Tourism
   - HTM 41100 Hospitality and Tourism Law
   - HTM 49101 Sales & Service for Beverage Operations (Must be 21 years old)
   - HTM 49200 Advanced Foodservice Management
   - HTM 49900 Electives courses and Business Development
   - FM 10000s Individualized Wellness Strategies — five areas
   - FM 21900 Issues and Problems in Health
   - FM 26800 Physiology of Exercise
   - FM 30000 Practicum: Health, Fitness and Nutrition
   - FM 30100 Recreation Leadership
   - FM 30200 Anatomy and Kinesiology
   - FM 30500 Practicum in Fitness Management
   - FM 31400 Beginning Concepts of Group Exercise and Personal Training
   - FM 41000 Evaluation, Testing and Assessment of Exercise
   - FM 47400 Physiology of Exercise II

5. Electives (18 credits)
Minors in Foods and Nutrition, Hospitality Management, or Recreational Sports Management
(15-20 CREDITS EACH)

Minor in Foods and Nutrition
(15 TO 16 CREDITS)

Required
- F&N 10500  Current Issues in Nutrition and Food Safety
- F&N 26000  Nutrition for Early Childhood Educators
- F&N 26100  Nutrition for Health, Fitness and Sports
- F&N 30300  Essential of Nutrition
- F&N 36000  Nutrition for the Aging

Elective  F&N-Electives (total 2-3 credits)

Minor in Hospitality Management
(20 CREDITS)

Required
- F&N 20300  Foods: Their Selection and Preparation
- HTM 10000  Introduction to the Hospitality and Tourism Industry
- HTM 14100  Financial Accounting for the Service Industries
- HTM 18100  Lodging Management
- HTM 21200  Organization and Management in Hospitality and Tourism Industry
- HTM 23100  Hospitality and Tourism Marketing
- HTM 31200  Human Resources Management for the Service Industries

Minor in Recreational Sports Management
(15 CREDITS)

Required
- F&N 10500  Current Issues in Nutrition and Food Safety
- F&N 26100  Nutrition for Health, Fitness and Sports
- FM 10000  Individualized Wellness Strategies (2 areas)
- FM 21900  Issues and Problems in Health
- FM 30100  Recreation Leadership
- HTM 31500  Private Club Management and Operations
**Women’s Studies**

Rebecca Stankowski, Director. *Instructional Faculty in the Women’s Studies Program:* Jane Campbell; Theresa Carilli; Ralph Cherry; Anne Edwards; Karen Lee Fontaine; Lisa Goodnight; Zenobia Mistri; Colette Morrow; John Rowan; Kathleen Tobin

Web site (general information): [www.purduecal.edu/wost/](http://www.purduecal.edu/wost/)
E-mail (Rebecca Stankowski): rhs@purduecal.edu
Phone: (219) 989-2208

The Women’s Studies Program offers courses that can be taken individually or combined into the Women’s Studies minor or the Associate of Arts degree with a concentration in Women’s Studies. These programs provide a special focus on gender issues as they relate to the student’s major field of study.

**Mission Statement:**

The Women’s Studies Program will offer an academic curriculum informed by feminist theories and methodologies and will sponsor activities focusing on women’s issues.

The Women’s Studies curriculum provides all students with a threefold opportunity: (1) to examine the role of gender in social institutions, in the formation of identity, and in the development of knowledge; (2) to explore physical and mental health and wellness issues of particular importance to women; and (3) to increase awareness of women’s endeavors and contributions throughout time.

The Women’s Studies Program provides courses from a variety of disciplines leading to a minor in Women’s Studies and with a concentration in Women’s Studies.

The Women’s Studies Program sponsors activities that address the personal, professional, cultural and educational needs of a diverse population of women, both on the campus and in the community.

**Programs**

- Minor in Women’s Studies

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**Minor in Women’s Studies**

**(15 CREDITS)**

1. **Women’s Studies Core**
   
   WOST 12100 Introduction to Women’s Studies

2. **Women’s Studies Electives**

   Four from:
   
   WOST 10300 Freshman Experience
   WOST/F&N 20800 Nutrition in Women’s Health
   WOST/COM 40500 Rhetoric Women’s Rights
   WOST/COM 47000 Women in the Media
   WOST/ENGL 32000 By and About Women
   WOST/HIST 36500 Women in America
   WOST/PSY 34900 Psychology of Women
   WOST/SOC 35000 Social Psych. of Marriage
   WOST/ENGL 23600 Mothers and Daughters Lit.
   WOST/ENGL 32400 International Women’s Lit.
   WOST/ENGL 34000 Literature by Women of Color
   WOST/ENGL 45000 Sex Roles Modern Society
   WOST 49000 Topics in Women’s Studies
School of Management
School of Management

Martine Duchatelet, Dean
www.purduecal.edu/management

- Department of Accounting: E. Furticella, Acting Administrative Department Head
- Department of Finance and Economics: P. McGrath, Department Head
- Department of Information Systems: K. Chen, Department Head
- Department of Marketing, Human Resources, and Management: L. Feldman, Department Head

Anderson Building, Third Floor
219/989-2595
1-800-HI-PURDUE, ext. 2595

Bachelor’s Degree Programs

- Accounting
- Business with a major in:
  - Entrepreneurship
  - Equine Business Management
  - Human Resources
  - Retailing
- Management with a major in:
  - Accounting
  - Business Economics
  - Finance
  - Human Resource Management
  - Marketing
  - Management Information Systems

Master’s Degree Programs

- Business Administration
- Business Administration for Executives
- Accountancy

The School of Management is accredited by the International Assembly for Collegiate Business Education (IACBE) and the North Central Association (NCA).

Career Opportunities

Graduates of Purdue Calumet’s School of Management may work as a financial analyst, retail manager, financial accountant, project manager, small business owner, production manager, consultant, purchasing manager, human resources director, bank officer, labor relations representative, public relations officer, operations manager, managerial accountant, marketing researcher, inventory control director, recruiter, marketing director, benefits administrator, information technology liaison, labor organizer, training and development director, securities analyst, health and safety manager, sales manager, business analyst, information technology manager, independent auditor, transportation director and more.
School of Management

M. Duchateau, Dean.

Department of Accounting: E. Furticella, Acting Administrative Department Head.

Faculty: C. Anderson (Emeritus); A. Crossin; P. Empey (Emeritus); E. Engle (Emeritus); G. Hoover King; A. Lindskog (Emeritus); S. Mo; K. Pogach; R. Pollock; D. Rinke; E. Waples.

Department of Finance and Economics: P. McGrath, Department Head.

Faculty: R. Abuizam; A. Biswas; J. Furdek; P. Miranda; A. Mitra; P. Obi; S. Sil; D. Tsoukalas

Department of Information Systems: K. Chen, Department Head.

Faculty: K. Chu; R. Foreman; L. Green; M. Mick; C. Ye; L. Zhao

Department of Marketing, Human Resources, and Management: L. Feldman, Department Head.

Faculty: A. Angriawan; C. Barczyk; S. Conners; C. Costiu; G. Falk; K. Firlej; J. Husain; J. Kerr; J. Kim; J. Lucas; D. Nikolovski; C. Rarick; D. Ruth; S. Sekhar; R. Smith; G. Silver (Emeritus)

School of Management Staff

S. Martin; D. Robinson; K. Uhll; J. Tu

School of Management Advisors

E. Brickman; D. Thinnes

Mission Statement

The School of Management provides its diverse student body with business programs that develop a strong foundation for successful employment and opportunities for advancement in a rapidly evolving global environment. As an educational leader and community partner, the School of Management is committed to meeting the life-long learning needs for business education for those in the Calumet region and beyond.

In pursuing our mission, we expect excellence from all members of our academic community as we:

- Maintain quality academic programs that promote student success in their chosen career and responsible contributors to their communities;
- Support and expect faculty engagement in applied business and economic scholarship and professional activities that complement the School's academic commitment to its students, the region, and beyond;
- Promote regional economic development, relationships with the business community, and service to the region and beyond

Values Statement

We are committed to:

- Integrity and professionalism in all of our teaching, research, and service activities;
- Active citizenship within the School, the University, the region and beyond;
- An assessment process for continuous improvement and accountability in teaching, research and service;
- A diverse student, faculty, and staff community and to a diverse learning environment;
- Using emerging technologies to effectively support the instructional process;
- Engaged scholarly activity as an intellectual tool for students and faculty to work together and stay current in their fields;
- Experiential learning opportunities that provide a foundation for students to take leadership roles in both public and private organizations;
- A curriculum that emphasizes ethics, entrepreneurship, and global preparation;
- A collegial work environment that respects and encourages the contributions of everyone in the School of Management.

Vision Statement

The Purdue University Calumet School of Management will provide an intellectually encompassing and comprehensive education that meets the needs of today's global business environment and empowers students to meet tomorrow's rapidly changing demands. In providing diverse learning opportunities and scholarly contributions to the field, the school will challenge students to be ethical and civically engaged business leaders who will utilize their entrepreneurial and technical skills to contribute to the economic development of Northwest Indiana and beyond. The faculty, staff, and students will effectively communicate these aims to the public that will in turn position Purdue Calumet to be the region's school of choice for a quality management degree grounded in academic rigor and social responsibility.

Programs

The programs in Management, which are accredited by the International Assembly for Collegiate Business Education (IACBE), prepare students to advance their careers in business by providing a background in three general areas:

- liberal arts, to provide students with breadth of vision and perspective for lifelong learning;
- business foundation courses to provide the skills, perspectives of organizations and the environments in which they function;
- a specialty area in business to enhance the student's career goals.
Academic Programs

Bachelor of Science, Accounting
This specialized degree is designed for students pursuing accounting careers and considering professional certification (CPA).

Bachelor of Science in Management

Bachelor of Science, Computer Information Systems
A new program of study in the area of Information Systems

Bachelor of Arts in Business
A flexible, generalist program with majors in entrepreneurship, equine business management, human resources, or retailing.

Master of Business Administration
A general graduate degree for students with bachelor degrees seeking to professionalize their management skills. This program is offered in different formats with convenient time frames.

Master of Accountancy
This special masters is designed for accounting students.

Post-Baccalaureate Certificates

Certificate
Equine Management
Graduate Certificate
Forensic Accounting & Fraud Investigation

Minors
- Minor in Business
- Minor in Entrepreneurship
- Minor in Equine Management
- Minor in Human Resource Management
- Minor in Information Systems
- Minor in International Business
- Minor in Marketing

Grading Scale Note and Clarification
Purdue University Calumet uses a 4.0 grading scale. Students pursuing a Bachelor of Arts in Business, Bachelor of Science in Accounting or a Bachelor of Science in Management must successfully complete the Pre-Business or Pre-Management core by earning a grade designated by a 2.0 or higher in each course. The Pre-Business or Pre-Management Core courses must be taken in the first three semesters. Each course must be successfully completed before the student takes any of the courses in their major. The six courses that fulfill the student’s major must be successfully completed by earning a grade designated by a 2.0 or higher in each course.

Experiential Learning Courses
The following classes have been awarded Experiential Learning designation by the Faculty Senate and may be used to fulfill a student’s experiential learning requirements. Students should check http://webs.purduecal.edu/management/majors-minors-and-certificates/experiential-learning-courses/ for updates to this list.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BA 39100</td>
<td>ENTR 40000</td>
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<tr>
<td>CIS 40000</td>
<td>ENTR 40100</td>
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<td>CIS 42600</td>
<td>EQU 30000</td>
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<td>EQU 45000</td>
<td>MGMT 42800</td>
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<td>MGMT 42900</td>
<td>MGMT 43300</td>
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<tr>
<td>MGMT 48600</td>
<td>MGMT 49500</td>
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<tr>
<td>MGMT 49900</td>
<td>OBHR 44400</td>
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</tbody>
</table>

SOM Policies for Students
The following policies are in effect for all undergraduate students in the School of Management. Please note the effective date for each. The newest policies are listed first. Other policies applicable to all undergraduate students are found in the University Catalog.

Admission standards for new freshmen:
(Effective Spring 2011)

Direct Acceptance to the Program of Study:
- Test Scores (SAT CR+M): 900 (1350)
- 5 subject area GPA 2.50

Preparatory Admissions (DMG):
- Test Scores (SAT CR+M): 850-899
- 5 subject area GPA of at least 2.20

Center for Student Achievement:
- Test Scores (SAT CR+M): 800-849
- 5 subject area GPA of at least 2.00

GPA Requirement to transfer, re-enter, re-admission, and CODO to the School of Management
(Updated - effective for spring 2011)
Transfer students (including inter-campus transfers), Change of Degree Objective (CODO) students, Re-Entry students (former SOM student, stopped out for more than 2 years) and Re-Admits (former SOM student academically dismissed):
Direct acceptance into the Program of Study:
- 15 college transferring credits
- Cumulative college GPA of at least 2.0
- English 10400 (or equivalent) with 2.0 minimum
- Math 15300 (or equivalent) for BS degree or BA 10500 (or equivalent) for BA degree with 2.0 minimum
Preparatory Admissions (DMG):
- 15 college transferring credits
- Cumulative college GPA of at least 2.20
- Unprepared in English (English 10400 or equivalent) with a grade lower than 2.0

And/Or
- Unprepared in Math (Math 15300 or equivalent) for BS degree or BA 10500 (or equivalent) for BA degree with a grade lower than 2.0
- Center for Student Achievement
- Cumulative college GPA lower than 2.20

Clarification of prerequisite requirements for MGMT 45000 (effective Summer 2010)
Students must complete MGMT 31000, MGMT 32400, MGMT 36000, and O8HR 33000 all with a grade of C- or better in order to be able to take MGMT 45000.

No enrollment in SOM classes after the first week of Classes (effective Spring 2010)
The School of Management does not allow students to enroll into a SOM class after the first week of classes. Truly extenuating circumstances will be examined on a case by case basis by the appropriate department head.

Extensions may only be allowed by the appropriate department head (effective Spring 2010)
Students must seek the permission of the appropriate department head at all times (or the student's advisor may talk to the department head on the student's behalf). Instructors may not accept or refuse class extensions; they may only make recommendations to their head.

Retaking Course (effective Spring 2010)
This policy elucidates the "Retaking Courses" policy in effect since 05.15.06. Undergraduate students may repeat required courses in the School of Management Curriculum no more than two times within a five year period. This means that a student may enroll in a required course no more than three times because s/he failed, withdrew or was dropped out the course previously. Required courses in the School of Management curricula include pre-business, pre-management, core and major courses, as well as, remedial mathematics and English courses for those who need them. Core courses include MGMT 31000, MGMT 32400 and O8HR 33000 for the BS degrees. Core courses include BA 21000, BA 22400 and BA 23000 for the BA degrees.

Case of transfer students facing a changed SOM curriculum as of Fall 2009 (effective Fall 2009)
All transfer students must automatically enroll into the new SOM curriculum dated Fall 2009.

Case of returning students facing a changed SOM curriculum as of Fall 2009 (effective Fall 2009)
Returning students who interrupted their studies at PUC for a term or more may continue the curriculum described in the Course Catalog on the date of their joining SOM. They may also opt into the new curriculum which offers some real advantages: fewer required credit hours for the degree and exposure to global business. Case of re-admitted students facing a changed curriculum as of Fall 2009 (effective Fall 2009)
Re-admitted students must follow the new curriculum in effect at the time of their re-entry. Truly extenuating circumstances will be examined on a case by case basis by the appropriate department head.

Clarification of "C or better" policy for pre-business, pre-management, and major courses (effective Fall 2009)
Students are presently required to earn a C or better in their pre-business or pre-management core, major courses, and for Mgmt 45000 (BS students). With the introduction of the plus/minus grading scale by the University, the School of Management is clarifying this requirement for students in the School of Management. The "C or better" requirement will be interpreted as meaning a grade designated by a 2.0 grade index or higher in each designated course. Therefore, grades of C minus or below do not satisfy the "C or better" requirement and students earning a C minus or below in the designated courses will be required to repeat the course until a satisfactory grade is earned.

Change in BA Program – new pre-business requirements and grade requirements for major classes (effective for students starting Fall 2008 and later)
The BA program now has a pre-business core consisting of the following courses: ENGL 10400, COM 11400, Lab Science, PSY 12000 or SOC 10000, MGMT 10100, ENGL 10500, ENTR 10000, BA 10500, MGMT 10200, ECON 21000, BA 12000, and one course in the FR, Lang, Com or PSY sequence. Students must complete these courses with a grade of C or better and must complete these courses before declaring an option and moving on to more advanced classes.
Also students must earn a grade of "C" or better in the six courses for their major.

Policy on Dual Degrees/Dual Majors (effective 07.23.07)
A student enrolled at SOM may pursue two majors concurrently by working to satisfy all degree requirements for the two majors. The student may not graduate with one major and expect to come back later to finish the other major. The student must complete all requirements for the two majors before graduation in order to graduate with a dual major.
A student enrolled at SOM may pursue a major and a minor by working to satisfy all degree requirements for the major and minor. The student may not graduate with the major and expect to come back later to finish the minor. The student must complete all requirements for the major and the minor before graduation in order to graduate with a major and a minor.
A student who has graduated with one major may not come back and take the junior/senior level courses in another major, counting some of the previous elective coursework towards this second major, and expect to graduate again with a second major. Similarly, a student who has graduated with the BS in Accountancy or the major in Accounting may not expect to come back and attend a few additional courses in order to graduate with a second degree in Accounting.
A student enrolled at SOM may not pursue both the BS in Accountancy and the BS in Management with a major in Accounting; the two degrees present too much overlap. A student enrolled in either of the degrees above who wishes to round up his/her education should be encouraged to pursue a second major with a different thrust than accounting, or a minor in a secondary field. IS, MIS and Finance are often the chosen complements to Accounting.
If a student who has graduated with a Bachelor’s degree from the School of Management wishes to come back to Purdue Calumet for further studies in a different discipline, s/he should be encouraged to pursue a graduate degree or a certificate.

Acceptance of Transfer Credit for Major Courses (effective 05.15.06)
Transfer credit is accepted for no more than two courses within the undergraduate majors without permission of the appropriate department head. This policy applies to the six major courses required for the BS in Management, the six business option courses required for the BA in Business, and the seven major courses required for the BS in Accounting.

Retaking Courses (effective 05.15.06)
Undergraduate students may repeat required courses in the School of Management Curriculum no more than two times each within any five year period. Required courses are those specified on the plans of study for each of the undergraduate programs. This means that a student may take a required course no more than three times whether the student retakes the course because s/he failed the course or because s/he withdrew from the course. This policy applies to classes taken after May 15, 2006.

Distance Learning Policy (effective 10.10.05)
The following guidelines will be used for enrollment in all School of Management distance learning classes:
Students must have an overall GPA of 2.5 or greater to be eligible to take any School of Management courses online.
Students currently on probation are not eligible to enroll in any School of Management distance learning classes.
Students who received two or more grades of D, F, or W in any School of Management distance learning course are not eligible to take that course online.
If you do register online for a distance learning course and do not meet the guidelines above, you will be administratively withdrawn from the course prior to the start of classes.
Bachelor of Arts in Business
(121–122 CREDITS)

This program requires a general education component and a business major. The remainder of the program is flexible, providing many creative alternatives for the student, including minors and options in other areas.

Pre-Business Core: (36 credits)
The 12 courses in the pre-business core must be completed with a grade index of 2.0 or better in each course. These pre-business courses must be completed before the student takes any of the courses in their option. The six courses in the student’s major must also be completed with a grade index of 2.0 or better.

2. Computer Utilization

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>MGMT 21100</td>
<td>Management Information Systems</td>
</tr>
</tbody>
</table>

(Not required for Equine Management program)

Foreign Languages or Communication or Psychology: (3 credits)
Completion of the 36 credits in Pre-Business with a grade index of 2.0 or better in each course and complete the additional requirements below.

1. Communicative Skills

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>ENGL 10400</td>
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<td>ENGL 10500</td>
<td>English Composition II</td>
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Lab Science

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<tr>
<td>PSY 12000</td>
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<td>MGMT 10200</td>
<td>Computer Utilization for Management</td>
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<td>ENTR 10000</td>
<td>Introduction to Entrepreneurship</td>
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<td>BA 10500</td>
<td>Quantitative Methods for Business</td>
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<td>BA 12000</td>
<td>Principles of Accounting I</td>
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<td>ECON 21000</td>
<td>Principles of Economics</td>
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3. Math and Science

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<tr>
<td>STAT 13000</td>
<td>Statistics and Contemporary Life</td>
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4. Humanities and Social Sciences

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<tr>
<td>ECON 21100</td>
<td>Contemporary Economic Problems</td>
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<tr>
<td>PHIL 32400</td>
<td>Ethics for the Professions</td>
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</tbody>
</table>

A minimum of 15 credits. Students may select a second course in Psychology or Sociology and at least one approved course in each of the following areas: History, International Studies, Government, and Aesthetics or literature, or pursue a minor in Arts, Science, or Social Science.

5. Business Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA 12100</td>
<td>Principles of Accounting II</td>
</tr>
<tr>
<td>BA 21000</td>
<td>Principles of Finance</td>
</tr>
<tr>
<td>BA 22400</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>BA 23000</td>
<td>Principles of Management</td>
</tr>
<tr>
<td>BA 23100</td>
<td>Principles of Human Resources</td>
</tr>
<tr>
<td>BA 36100</td>
<td>Business Operations</td>
</tr>
<tr>
<td>MGMT 22400</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>MGMT 30100</td>
<td>Management Career Lectures</td>
</tr>
<tr>
<td>MGMT 35400</td>
<td>Legal Foundations of Business I</td>
</tr>
<tr>
<td>MGMT 38000</td>
<td>International Business</td>
</tr>
</tbody>
</table>

6. Major Courses (6 courses)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTR 30000</td>
<td>Growing the Firm</td>
</tr>
<tr>
<td>ENTR 42000</td>
<td>Business Plan Development</td>
</tr>
<tr>
<td>ENTR 30100</td>
<td>Introduction to Technical Entrepreneurship</td>
</tr>
<tr>
<td>ENTR 30200</td>
<td>Innovation &amp; New Product Development</td>
</tr>
<tr>
<td>ENTR 30300</td>
<td>Entrepreneurial Finance</td>
</tr>
<tr>
<td>ENTR 40000</td>
<td>Small Business Consulting</td>
</tr>
<tr>
<td>ENTR 40100</td>
<td>Social Entrepreneurship</td>
</tr>
<tr>
<td>MGMT 31800</td>
<td>E-Business Strategy</td>
</tr>
<tr>
<td>MGMT 38000</td>
<td>International Business</td>
</tr>
<tr>
<td>OLS 35000</td>
<td>Applied Creativity for Business and Industry</td>
</tr>
<tr>
<td>OLS 35100</td>
<td>Innovation and Entrepreneurship</td>
</tr>
<tr>
<td>BA 39100</td>
<td>Business Internship</td>
</tr>
<tr>
<td>MGMT 48600</td>
<td>Project Management</td>
</tr>
<tr>
<td>MGMT 48700</td>
<td>Knowledge &amp; Decision Management</td>
</tr>
<tr>
<td>OBHR 42300</td>
<td>Negotiations</td>
</tr>
</tbody>
</table>

Or other 30000 or 40000 level course approved by the advisor.

A. Entrepreneurship Major

Required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTR 30000</td>
<td>Growing the Firm</td>
</tr>
<tr>
<td>ENTR 42000</td>
<td>Business Plan Development</td>
</tr>
</tbody>
</table>

Choose four (4) courses from the following, at least two (2) from Entrepreneurship (ENTR designation):

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTR 30100</td>
<td>Introduction to Technical Entrepreneurship</td>
</tr>
<tr>
<td>ENTR 30200</td>
<td>Innovation &amp; New Product Development</td>
</tr>
<tr>
<td>ENTR 30300</td>
<td>Entrepreneurial Finance</td>
</tr>
<tr>
<td>ENTR 40000</td>
<td>Small Business Consulting</td>
</tr>
<tr>
<td>ENTR 40100</td>
<td>Social Entrepreneurship</td>
</tr>
</tbody>
</table>

B. Retailing Major

Required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 42400</td>
<td>Consumer Behavior</td>
</tr>
<tr>
<td>MGMT 42600</td>
<td>Retailing</td>
</tr>
<tr>
<td>MGMT 43300</td>
<td>Personal Selling</td>
</tr>
<tr>
<td>MGMT 43400</td>
<td>E-Marketing</td>
</tr>
</tbody>
</table>

Select two (2) from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 33300</td>
<td>Total Quality Management</td>
</tr>
<tr>
<td>MGMT 42100</td>
<td>Promotions Management</td>
</tr>
<tr>
<td>MGMT 42200</td>
<td>International Marketing</td>
</tr>
<tr>
<td>MGMT 42500</td>
<td>Marketing Research</td>
</tr>
<tr>
<td>MGMT 42700</td>
<td>Sales Management</td>
</tr>
<tr>
<td>MGMT 42800</td>
<td>Advertising Management</td>
</tr>
<tr>
<td>MGMT 42900</td>
<td>Advertising Campaigns</td>
</tr>
<tr>
<td>MGMT 42500</td>
<td>Services Marketing</td>
</tr>
</tbody>
</table>
OBHR 42300  Negotiations
BA 39100  Business Internship
Or other 30000 or 40000 level courses approved by the advisor.

C. Human Resources Major
Required:
OBHR 43300  Staffing
OBHR 43400  Benefits Administration
OBHR 43900  Employment Law

Select THREE (3) from:
OBHR 42300  Negotiations
OBHR 42600  Training and Managerial Development
OBHR 43000  Labor Relations
OBHR 43500  Compensation Management
OBHR 43600  Collective Bargaining
OBHR 43700  Managing Career Development
OBHR 43800  Managing Workforce Diversity
OBHR 44300  Legal/Social Issues in HRM
MGMT 33300  Total Quality Management
Or other 30000 or 40000 level courses approved by the advisor.

D. Equine Business Management Major
Required:
EQU 10000  Introduction to Equine Management
EQU 22000  Global Perspective of Equine Industry
EQU 30000  Equine Internship
EQU 32000  Equine Taxation
EQU 34000  Equine Ethical Issues
EQU 35000  Equine Event Operations
EQU 37000  Equine Sales and Services Marketing
EQU 40000  Equine Legal Issues
EQU 45000  Equine Senior Project

Select one (1) from:
EQU 33000  Equine Staff Management
EQU 42000  Horse Racing and Gaming Systems
EQU 48000  Horse Show Project Management

Free Electives – 2 course

Bachelor of Science Pre-Management

Pre-Management Requirements
(36 CREDITS)

Students pursuing a Bachelor of Science degree program in Management must successfully complete the Pre-Management curriculum (with a grade index of 2.0 or better in each of the courses) before taking upper-level courses (30000 level or higher) in Management, Economics, or Organizational Behavior.

1. Communicative Skills
ENGL 10400  English Comp. I
AND
ENGL 10500  English Comp. II
COM 11400  Fundamentals of Speech

2. Science and Mathematics
Science. One lab science course from:
Biology, Chemistry, Earth and Atmospheric Science, Physics, or Science.
Math. One sequence of:
MA 15300  Algebra and Trig. I
MA 22500  Calculus for Business and Econ I
OR
Equiv. math courses approved by a Management advisor.

Computer Applications.
MGMT 10200  Computer Utilization in Management

3. Behavioral Science
One introductory 3-credit course in Psychology or Sociology

4. Management and Economics
MGMT 10000  Management Lectures
MGMT 10100  Intro. to Business
MGMT 20000  Intro. Accounting
ECON 25100  Microeconomics

5. Elective (one course)
One other school-approved general education course.

Bachelor of Science, Accounting
(122 CREDITS)

Pre-Management courses plus:

1. Required Management and Economics Courses
ECON 25200  Macroeconomics
MGMT 20100  Management Accounting
MGMT 22500  Fund. Management Stats.
MGMT 30100  Management Career Lectures
MGMT 31000  Financial Management
MGMT 21100  Management Information Systems
MGMT 32400  Marketing Management
MGMT 35400  Legal Found. of Business
MGMT 36000  Production/Operations Mgmt.
MGMT 38000  International Business
MGMT 45000  Corporate Strategy: Capstone
OBHR 33000  Intro. to Organizational Behavior

2. Humanities
ENGL 42000  Business Writing
PHIL 32400  Ethics for Professions

3. Electives
Two business electives from upper division courses in Management, Economics, entrepreneurship, or OBHR; five approved General Education electives.

4. Major Courses (seven)
MGMT 35000  Intermediate Accounting I
MGMT 35100  Intermediate Accounting II
MGMT 30400  Tax Accounting
MGMT 40600  Auditing
MGMT 40700  Advanced Managerial Accounting

Three additional upper level accounting courses approved by an academic advisor.

Bachelor of Science, Management
(122 CREDITS)

Pre-Management courses plus:

1. Required Management and Economics Courses
ECON 25200  Macroeconomics
MGMT 20100  Management Accounting
MGMT 22500  Fund. Management Stats.
MGMT 30100  Management Career Lectures
MGMT 31000  Financial Management
MGMT 21100  Management Information Systems
MGMT 32400  Marketing Management
MGMT 35400  Legal Found. of Business
MGMT 36000  Production/Operations Mgmt.
MGMT 45000  Corporate Strategy: Capstone
OBHR 33000  Intro. to Organizational Behavior

2. Humanities
ENGL 42000  Business Writing
PHIL 32400  Ethics for Professions
3. Electives
Four business electives from upper division courses in management (MGMT), economics (ECON), Entrepreneurship (ENTR) and Organizational Behavior (OBHR), and six approved General Education electives.

4. Major Courses (six courses).
Choose A, B, C, D, E, or F.
Students pursuing a degree program listed below must successfully complete six major courses with a grade-point index of 2.0 or better in each course.

A. Accounting Major
MGMT 35000  Inter. Accounting I
MGMT 35100  Inter. Accounting II
MGMT 40400  Tax Accounting
MGMT 40600  Auditing

Two additional accounting courses approved by the accounting academic advisor.

B. Business Economics Major
ECON 35100  Intermediate Microeconomics
ECON 41900  Managerial Economics
ECON 35200  Intermediate Macroeconomics
ECON 38000  Money and Banking
ECON 36000  Econometrics
ECON 46500  Economic Forecasting Techniques

The student would then complete three additional ECON courses, 3000-level or above, as approved by the academic advisor.

C. Finance Major
MGMT 34000  Corporate Financial Problems
MGMT 35000  Intermediate Accounting
MGMT 41200  Money and Capital Markets
MGMT 44300  Fundamentals of Investments

Two additional finance courses approved by the finance academic advisor.

D. Human Resource Management Major
Required:
OBHR 43100  Human Resource Mgmt.
OBHR 43300  Staffing Organizations
OBHR 43400  Benefits Administration
OBHR 43900  Employment Law

Select TWO (2) from:
OBHR 42300  Negotiations
OBHR 42600  Training and Managerial Development
OBHR 42700  Occupational Safety and Health
OBHR 43500  Compensation Management
OBHR 43600  Collective Bargaining and Negotiations
OBHR 43700  Managing Career Development
OBHR 43800  Gender and Diversity in Management
OBHR 44300  Legal/Social Issues in HRM
MGMT 33300  Total Quantity Management

Or other courses as approved by the academic advisor.

E. Marketing Major
MGMT 42100  Promotions Management
MGMT 42400  Consumer Behavior
MGMT 42500  Marketing Planning, and Research
MGMT 43300  Personal Selling

Select TWO (2) from:
MGMT 42200  International Marketing
MGMT 42600  Retailing
MGMT 42700  Sales Management
MGMT 42800  Advertising Management
MGMT 42900  Advertising Campaigns
MGMT 43400  E-Marketing
MGMT 43500  Services Marketing
ECON 46500  Economic Forecasting Techniques

F. Management Information Systems Major
MGMT 30700  Systems Analysis and Design
MGMT 30800  Database Mgmt. Analysis and Design
MGMT 31800  E-Business Strategy
MGMT 48600  Project Management

Select TWO (2) from:
MGMT 32500  Logistics
MGMT 41600  Information Systems Control and Audit
MGMT 48700  Knowledge Management and Business Intelligence
MGMT 48300  Data Communication in Business
MGMT 49000  Visual Basic for Management
MGMT 32200  Electronic Spreadsheet for Business
MGMT 32000  E-Business Applications
MGMT 49000  Advanced Database Management

Bachelor of Science, Computer Information Systems
(121 CREDIT HOURS)

Communications
COM 11400  Fundamentals of Speech Communication
ENGL 10400  English Composition I
ENGL 10500  English Composition II
COM 32500  Interviewing: Principles & Practice
ENGL 42000  Business Writing
Communications or English Elective

Mathematics/Science
MA 15300  Calculus I
MA 22500  Calc for Business & Economic I
STAT 30100  Elementary Statistical Methods
Lab Science Elective

Humanities & Social Science
PHIL 12000  Critical Thinking
Social Science Electives

General Education
Gen. Ed. Elective

Management Core
MGMT 10000  Management Lectures I
MGMT 10100  Introduction to Business
MGMT 21100  Principles of Information Systems
MGMT 31800  E-Business Applications
MGMT 35400  Legal Found. Of Business I
MGMT xxxxx  Business Elective (Finance or Marketing)
OBHR 33000  Introduction to Organizational Behavior

Computer Information Systems
ECET 11000  Computer Systems Architecture
CIS 11100  Intro to H-C Interaction
CIS 14000  Introduction to Networks
CIS 16600  Introduction to Programming
CIS 20400  Introduction to Computer Based Systems
CIS 24100  Web Development
CIS 25200  Systems Analysis and Design
CIS 25300  Applied Database Techniques
CIS 26300  Java Programming
CIS 26600  C++ Programming
DEPARTMENTS / SCHOOLS

Post Baccalaureate Certificate, Information Systems — E-Business Management
(18 CREDITS)
Admission Requirements: Students wishing to complete this certificate must apply for admission to the certificate program and provide a transcript from an accredited institution of higher education to verify receipt of a bachelor's degree.

- MGMT 21100 Management Information Systems
- MGMT 31800 E-Business Strategy
- MGMT 32000 E-Business Applications
- CIS 14000 Computer Networks in Business
- MGMT 48300 Data Communication in Business
- MGMT 48700 Knowledge Management and Business Intelligence

Post Baccalaureate Certificate, Information Systems — Project Management
(18 CREDITS)
Admission Requirements: Students wishing to complete this certificate must apply for admission to the certificate program and provide a transcript from an accredited institution of higher education to verify receipt of a bachelor's degree.

- MGMT 21100 Management Information Systems
- CIS 20000 Information Systems Policies
- CIS 25200/ MGMT 30700 Systems Analysis and Design
- CIS 18000 Introduction to Project Management
- CIS 41300 Information Systems Auditing & Assurance
- MGMT 41600 Information Systems Control and Audit
- MGMT 48600 Project Management

Certificate in Equine Management
(18 CREDIT HOURS)
Required Courses
- EQU 10000 Introduction to Equine Management
- EQU 22000 Global Perspective of Equine Industry
Elective Courses — Choose a specialization from A, B, C or D. 4 courses from the list below:

A. Equine Business Management
- Mgmt 10100 Introduction to Business
- Nine additional credits in equine courses

B. Equine Stable & Farm Management
- MGMT 10100 Introduction to Business
- EQU 32000 Equine Taxation
- EQU 40000 Equine Legal Issues
- ANSC 44000 Horse Farm Management

C. Equine Event and Show Management
- MGMT 10100 Introduction to Business
- EQU 33000 Equine Staff Management
- EQU 35000 Equine Event Operations
- EQU 48000 Horse Show Project Management

D. Equine Sales and Marketing
- EQU 34000 Equine Legal Issues
- EQU 37000 Equine Sales and Services Marketing
- ANSC 37200 Horse Evaluation
- EQU 30000 Equine Internship
- EQU 49000 Equine Industry Business Travel
Minor in Business
(24 CREDITS)

Minimum “C” required in each of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 20000</td>
<td>Introductory Accounting</td>
</tr>
<tr>
<td>MGMT 20100</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>ECON 25100</td>
<td>Microeconomics</td>
</tr>
<tr>
<td>MGMT 22500</td>
<td>Fundamental Business Statistics</td>
</tr>
<tr>
<td>MGMT 31000</td>
<td>Financial Management</td>
</tr>
<tr>
<td>OBHR 33000</td>
<td>Introduction to Organizational Behavior</td>
</tr>
<tr>
<td>OBHR 43100</td>
<td>Human Resource Management</td>
</tr>
<tr>
<td>MGMT 32400</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>MGMT 33300</td>
<td>Marketing Management</td>
</tr>
<tr>
<td>MGMT 36000</td>
<td>Total Quality Management</td>
</tr>
</tbody>
</table>

Minor in Entrepreneurship
(15 CREDITS)

Required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTR 10000</td>
<td>Introduction to Entrepreneurship</td>
</tr>
</tbody>
</table>

and four courses (4) from list below, preferably from ENTR courses:

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>ENTR 30000</td>
<td>Growing the Firm</td>
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<tr>
<td>ENTR 30100</td>
<td>Introduction to Technical Entrepreneurship</td>
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<tr>
<td>ENTR 30200</td>
<td>Innovation &amp; New Product Development</td>
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<td>Entrepreneurial Finance</td>
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<tr>
<td>ENTR 40000</td>
<td>Small Business Consulting</td>
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<tr>
<td>ENTR 40100</td>
<td>Social Entrepreneurship</td>
</tr>
<tr>
<td>ENTR 42000</td>
<td>Business Plan Development</td>
</tr>
<tr>
<td>MGMT 31800</td>
<td>E-Business Strategy</td>
</tr>
<tr>
<td>MGMT 38000</td>
<td>International Business</td>
</tr>
<tr>
<td>OLS 35000</td>
<td>Applied Creativity for Business and Industry</td>
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<tr>
<td>OLS 35100</td>
<td>Innovation and Entrepreneurship</td>
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<tr>
<td>BA 39100</td>
<td>Business Internship</td>
</tr>
<tr>
<td>MGMT 48600</td>
<td>Project Management</td>
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<tr>
<td>MGMT 48700</td>
<td>Knowledge &amp; Decision Management</td>
</tr>
<tr>
<td>OBHR 42300</td>
<td>Negotiations</td>
</tr>
</tbody>
</table>

or other 30000 or 40000 level course approved by the advisor.

Minor in Equine Management
(15 CREDITS)

Required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQU 10000</td>
<td>Introduction to Equine Management</td>
</tr>
<tr>
<td>EQU 22000</td>
<td>Global Perspective of Equine Industry</td>
</tr>
<tr>
<td>EQU 34000</td>
<td>Equine Ethical Issues</td>
</tr>
</tbody>
</table>

ELECTIVE: Choose 2 courses from list

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQU 20000</td>
<td>Software for Equine Operations</td>
</tr>
<tr>
<td>EQU 32000</td>
<td>Equine Taxation</td>
</tr>
<tr>
<td>EQU 33000</td>
<td>Equine Sport Facility Management</td>
</tr>
<tr>
<td>EQU 35000</td>
<td>Equine Operations</td>
</tr>
<tr>
<td>EQU 37000</td>
<td>Equine International Sales and Marketing</td>
</tr>
<tr>
<td>EQU 40000</td>
<td>Equine Legal Issues</td>
</tr>
<tr>
<td>EQU 42000</td>
<td>Horse Racing and Gaming Systems</td>
</tr>
<tr>
<td>EQU 45000</td>
<td>Horse Show Project Management</td>
</tr>
</tbody>
</table>

Minor in Human Resource Management
(15 CREDITS)

Required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 10100</td>
<td>Intro. to Business</td>
</tr>
<tr>
<td>OBHR 33000</td>
<td>Intro. to Organizational Behavior</td>
</tr>
<tr>
<td>OBHR 43100</td>
<td>Human Resource Management</td>
</tr>
<tr>
<td>OBHR 43300</td>
<td>Staffing</td>
</tr>
</tbody>
</table>

Select TWO (2) from:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 33300</td>
<td>Total Quality Management</td>
</tr>
<tr>
<td>OBHR 42300</td>
<td>Negotiations</td>
</tr>
<tr>
<td>OBHR 42600</td>
<td>Training and Managerial Development</td>
</tr>
<tr>
<td>OBHR 42700</td>
<td>Occupational Safety and Health</td>
</tr>
<tr>
<td>OBHR 43000</td>
<td>Labor Relations</td>
</tr>
<tr>
<td>OBHR 43400</td>
<td>Benefits Administration</td>
</tr>
<tr>
<td>OBHR 43500</td>
<td>Compensation Management</td>
</tr>
<tr>
<td>OBHR 43600</td>
<td>Collective Bargaining and Negotiations</td>
</tr>
<tr>
<td>OBHR 43700</td>
<td>Managing Career Development</td>
</tr>
<tr>
<td>OBHR 43800</td>
<td>Gender and Diversity in Management</td>
</tr>
<tr>
<td>OBHR 43900</td>
<td>Employment Law</td>
</tr>
</tbody>
</table>

or others as approved by the advisor.

Minor, Information Systems
(18 CREDITS)

CIS 20400 or MGMT 10200 required as the first course.

An additional 5 courses may be selected from the MIS and CIS course offerings from the IS department.

Minor, International Business
(15 CREDITS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 38000</td>
<td>International Business</td>
</tr>
</tbody>
</table>

Three from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 42200</td>
<td>International Marketing</td>
</tr>
<tr>
<td>MGMT 44900</td>
<td>International Financial Management</td>
</tr>
<tr>
<td>MGMT 48900</td>
<td>International Management</td>
</tr>
<tr>
<td>ECON 43400</td>
<td>International Trade</td>
</tr>
</tbody>
</table>

And one additional course approved by the School of Management which may include one of the above

Minor, Marketing
(15 CREDITS)

Required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 22400</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>MGMT 32400</td>
<td>Marketing Management</td>
</tr>
<tr>
<td>MGMT 42100</td>
<td>Promotions Management</td>
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<td>MGMT 42400</td>
<td>Consumer Behavior</td>
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</tbody>
</table>

Select TWO (2) from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 42200</td>
<td>International Marketing</td>
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<tr>
<td>MGMT 42500</td>
<td>Marketing Research</td>
</tr>
<tr>
<td>MGMT 42600</td>
<td>Retailing</td>
</tr>
<tr>
<td>MGMT 42700</td>
<td>Sales Management</td>
</tr>
<tr>
<td>MGMT 42800</td>
<td>Advertising Management</td>
</tr>
<tr>
<td>MGMT 42900</td>
<td>Advertising Campaigns</td>
</tr>
<tr>
<td>MGMT 43300</td>
<td>Personal Selling</td>
</tr>
<tr>
<td>MGMT 43400</td>
<td>E-Marketing</td>
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<td>MGMT 43500</td>
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<tr>
<td>OBHR 42300</td>
<td>Negotiations</td>
</tr>
<tr>
<td>ENTR 30000</td>
<td>Small Business Management</td>
</tr>
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</table>

or others as approved by the advisor.
Master of Business Administration
(45 CREDITS)

Admission Requirements
1. Proof of baccalaureate degree
2. Results from the Graduate Management Admission Test
3. Capacity for management responsibility
4. Recommended: six credits of undergraduate calculus

Program Description
The program effectively requires that all graduate students complete a minimum of 45 graduate credit hours.
A student accepted into the program with a satisfactory background in Phase I begins the course of study from Phase II. For this class of students, a minimum of 36 graduate credit hours must be completed toward graduation, of which 24 hours must be drawn from the core.

Degree Requirements

PHASE I: Foundation Courses
- ECON 51300 Economic Theory (3 hrs.)
- MGMT 60000 Accounting for Managers (3 hrs.)
- MGMT 61100 Financial Management II (3 hrs.)
- MGMT 62000 Marketing Management I (3 hrs.)
- MGMT 63000 Legal and Social Foundations of Mgmt. (3 hrs.)
- MGMT 67000 Business Analytics (3 hrs.)
- OBHR 68100 Behavior in Organizations (3 hrs.)

PHASE II: Core Courses
- MGMT 60100 Managerial Accounting (3 hrs.)
- MGMT 61200 Financial Management III (3 hrs.)
- MGMT 62200 Marketing Strategy (3 hrs.)
- MGMT 65000 Strategic Management (3 hrs.)
- MGMT 66000 Operations Management (3 hrs.)
- MGMT 67100 Quantitative Methods II (3 hrs.)
- MGMT 68000 Intro. to Information Technology (3 hrs.)
- OBHR 63300 Human Resource Management (3 hrs.)

PHASE III: Electives
Specified courses from accounting, finance, marketing, economics, or general management at the 50000 level or above. See advisor for list of approved courses.

Transfer of Credit
Undergraduate credits may not be used to satisfy master's degree requirements. Transfer credits, in general, are not accepted. In exceptional cases, however, graduate credits not exceeding six hours may be transferred into the program. Exceptional cases are individually considered by the Graduate Management Committee. Transfer credits are allowed only after one semester of satisfactory work in residence at Purdue University. The minimum grade for transfer credits is a B.

Master of Accountancy
(30 CREDITS)

Admission Requirements
1. Admission requires an undergraduate degree with a major or concentration in accounting, a graduate index of 3.0/4.0 and satisfactory performance on the GMAT examination.
2. Applications from students whose undergraduate degree major is not accounting may be considered provided that they have completed a sufficient number and variety of accounting courses to satisfy the prerequisites for the master's level courses required by the program.

Program Description
A minimum of 30 semester credit hours of graduate level course work is required to complete this program. There are seven required courses (21 credit hours) in this curriculum and a minimum of three electives (9 credit hours). The degree requirements are outlined here. (All courses are three-semester-credit-hours).

Required Courses (21 credit hours)
- MGMT 50100 Advanced Taxation
- MGMT 50600 Auditing
- MGMT 50900 International Accounting
- MGMT 52600 Commercial Law
- MGMT 52700 Accounting Theory
- MGMT 53400 Accounting Practice
- MGMT 68000 Introduction to Information Technology

Elective Courses (9 credit hours):
- MGMT 50300 Advanced Accounting
- MGMT 59000 Governmental Accounting
- MGMT 59000 Financial Statement Analysis
- MGMT 59000 Corporate Governance
- MGMT 59000 Auditing II

or other graduate level courses approved by the Master of Accountancy Advisor.

Transfer of Credit
Undergraduate credits may not be used to satisfy master's degree requirements. Transfer credits, in general, are not accepted. In exceptional cases, however, graduate credits not exceeding six hours may be transferred into the program. Exceptional cases are individually considered by the Graduate Management Committee. Transfer credits are allowed only after one semester of satisfactory work in residence at Purdue University. The minimum grade for transfer credits is a B.
School of Nursing
Undergraduate Nursing Program
219/989-2814, 800-HI-PURDUE, ext. 2814, Gyte Annex, Room 138

Graduate Nursing Program
219/989-2815, 800-HI-PURDUE, ext. 2815, Gyte Annex, Room 138

Undergraduate Degree Programs

- Bachelor of Science Degree, Nursing
  - Professional Option
  - Accelerated Second Degree BS Option
  - LPN Transitioning to BS Option
  - Online RNBS, Completion Option

Graduate Level Programs

- Master of Science Degree, Nursing
  - Clinical Nurse Specialist Option (Adult Health or Critical Care)
  - Family Nurse Practitioner Option
  - Nurse Executive Option

- Post-Master’s Level Nursing Education Certificate Program
- Post-Master’s Level Family Nurse Practitioner Certificate Program
- Post-Master’s Level Adult Health Clinical Nurse Specialist Certificate Program
- Post-Master’s Level Critical Care Clinical Nurse Specialist Certificate Program

All programs are accredited by the National League for Nursing Accrediting Commission (NLNAC).

Career Opportunities

Graduates of the School of Nursing may work as registered nurses in hospitals, long-term care facilities, outpatient centers and a variety of community settings. Students who earn advanced degrees may pursue careers as clinical nurse specialists in adult health or critical care nursing, nurse practitioners in family health nursing, nurse educators, nurse administrators and more.
The School of Nursing offers innovative program options to meet the professional needs of students for entry into nursing or for advanced preparation. The undergraduate program offerings which prepare nurses to enter practice and meet eligibility requirements for NCLEX are: Bachelor of Science Professional Option, Accelerated Second Degree B.S. Option and LPN transitioning to Bachelor of Science. These programs and the RNBS, Nursing Completion Option are designed to prepare a nurse generalist to provide comprehensive nursing care for people of all ages within a variety of health care settings. In addition, the degree options provide academic preparation for advanced degrees in Nursing. The Master's level program prepares Clinical Nurse Specialists in Adult Health or Critical Care, Family Nurse Practitioners, and Nurse Executives. Students make take electives in courses that are relevant for the chosen area of specialization. Four master's level certificate programs in Nursing Education, Adult Health, Clinical Nurse Specialist, Critical Care Clinical Nurse Specialist and Family Nurse Practitioner are also available. The graduate program has a strong clinical emphasis and prepares graduates for diverse leadership roles. All programs are accredited by the National League for Nursing Accrediting Commission (NLNAC).

Throughout the programs, various part-time and full-time employment opportunities are available in local health care agencies giving students work experience that relates to their university studies. Flexible schedules allow students to pursue programs part-time and full-time. These are university programs, with students sharing in the social and cultural aspects of college life, while developing their potential as persons, citizens, and nurses. Admission to nursing programs is competitive and is determined by program admission committees in the School of Nursing. Special requirements for admission and progression are available through the School.

Programs

- **Undergraduate**
  - Bachelor of Science, Nursing
    - Professional Option
    - Accelerated Second Degree B.S. Option
    - LPN to BS Option
    - Online RNBS, Completion Option

- **Graduate**
  - Master of Science, Nursing
    - Clinical Nurse Specialist (Adult Health or Critical Care) (on-campus or on-line)
    - Family Nurse Practitioner (on-campus or on-line)
    - Nursing Executive
  - Post-Master’s level Nursing Education certificate program
  - Post-Master’s level Family Nurse Practitioner certificate program (on-campus or on-line)
  - Post-Master’s level Clinical Nurse Specialist certificate program (on-campus or on-line)
  - Post-Master’s level Critical Care Clinical Nurse Specialist certificate program (on-campus or on-line)

**Admission Requirements for the UNDERGRADUATE PROGRAM (LEADING TO THE RN) FOR BACHELOR’S PROFESSIONAL OPTION APPLICANTS**

The applicant must be officially accepted by the University before his or her application can be considered for admission to the School of Nursing. Application forms for admission to the University must be obtained from the Office of Admissions, LaVonne Hall, Purdue University Calumet, Hammond, IN, 46323. If the applicant has previously attended Purdue University Calumet, but has not been enrolled for three semesters or longer, he/she must make reapplication to the University Admissions Office.

Admissions are open annually for the Fall semester. Admissions is competitive. Applicants are considered on the basis of test scores, prior academic achievement and space available.

When more qualified applicants than openings are available, applicants will be ranked by the Undergraduate Nursing Admission, Progression and Graduation Committee. The best qualified applicants will be admitted. If you have any questions please see your advisor.

The following admission criteria must be submitted to the Office of Admissions:

1. Application to the Undergraduate Degree Program in Nursing
2. High School transcript or high school equivalency credentials; the applicant with a GED must complete 9 hours of University credit or have a SAT corn position of 1000 or above before they will be considered for admission.
3. Post-high school transcripts.
4. SAT/ACT scores

Each applicant is responsible for submitting the above admission criteria. Consideration for admission will not be given unless all records are received in this Department by the deadline date.

1. **BEGINNING STUDENTS**
   (students who have not attended any college/university)
   - SAT/ACT scores 1000 or higher, (or equivalent English/Mathematics Placement Test Scores).

2. **Meets following high-school subject matter**:
   - English: 8 sem.
   - Algebra: 4 sem.
   - Geometry: 2 sem.
   - Chemistry: 2 sem.
   - Biology: 2 sem.
   - Add’l. Lab Science: 2 sem.

   (Biology, Physics, Anatomy and Physiology recommended)

Note: Applicants who do not meet the Nursing admission requirements but do meet general university requirements will be admitted to Center for Student Achievement.
2. CHANGE OF DEGREE, TRANSFER, OR SECOND DEGREE STUDENTS

Eligibility for admission by the Nursing Admission, Progression and Graduation Committee is determined by the following minimum criteria:

1. Minimum 2.75/4.0 cumulative grade point average is required in 12 semester credit hours of required core courses from the undergraduate nursing curriculum plan.

2. The required twelve semester credit hours must include a minimum of six (6) semester credit hours of laboratory science with a minimum 2.0 (C) grade in each course.

3. Required non-science courses must be taken from the following: English 10400, English 10500, or (its equivalent); Psychology 12000. Required science courses must be taken from the following: Chemistry 11900; Biology 21300 and 21400; Biology 22100 or equivalencies.

4. All required courses must have a grade of 2.0 (C) or better.

5. A grade of less than 2.0 in any three (3) prerequisite courses required in the Undergraduate Nursing Curriculum Plan of Study will result in ineligibility for admission.

6. Repeated core science courses, for the purpose of admission, will be factored together to produce a cumulative GPA.

7. Students are allowed only one withdrawal from the same science course. This withdrawal policy does not include courses dropped during the refund period.

8. Laboratory science courses for non-RN students need to have been completed within five (5) years of an application to the School of Nursing. Special consideration may be given to applicants with a four year degree in science or a medically related field.

9. Nursing students transferring from another nursing program must submit a letter of good standing from the Dean or designee of their previous nursing program.

10. Applicants who have been admitted to the School of Nursing will be required to submit a record of a comprehensive physical examination completed within the last 6 months, a complete immunization record and/or lab titres, PPD within 3 months of entry or chest x-ray, and Cardiopulmonary Resuscitation Certification prior to registration. A criminal background check and malpractice insurance purchased through the university is required upon enrollment in the first clinical nursing course. In addition, students must meet agency requirements as they are mandated.

NOTE: Simply meeting the above requirements does not guarantee admission to the Nursing Program. All applicants to Nursing are reviewed and the best qualified are admitted. Enrollment is limited.

Professional Option Plan of Study

(123 CREDITS)

Semester 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>Introduction to Professional Nursing</td>
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<td>NUR 19600</td>
<td>Foundations of Psychosocial Nursing (1st 8 weeks)</td>
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<tr>
<td>BIOL 21300</td>
<td>Human Anatomy &amp; Physiology I</td>
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<td>CHM 11900</td>
<td>General Chemistry</td>
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<td>PSY 12000</td>
<td>Elementary Psychology</td>
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<td>Conceptual and Theoretical Thinking in Nursing</td>
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<tr>
<td>NUR 18800</td>
<td>Foundations of Health Assessment and Health Promotion</td>
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<td>Essential Pharmacokinetics for Nursing (1st 8 weeks)</td>
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<td>BIOL 21400</td>
<td>Human Anatomy and Physiology II</td>
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<td>English Composition I</td>
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<td>Mental Health Nursing (1st 8 weeks)</td>
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<td>NUR 28700</td>
<td>Mental Health Nursing Practicum (2nd 8 weeks)</td>
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<td>NUR 29400</td>
<td>Essential Pharmacotherapeutics for Nursing</td>
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<tr>
<td>NUR 45100</td>
<td>Nursing Informatics</td>
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<td>ENG 10500</td>
<td>English Composition II</td>
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<td>NUR 38400</td>
<td>Concepts of Role Dev.in Professional Nursing</td>
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Semester 4

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<td>Adult Nursing I</td>
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<td>NUR 28300</td>
<td>Practicum II</td>
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<td>NUR 27500</td>
<td>Alternative Therapies for Nursing Practice</td>
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<td>Communication</td>
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<td>BIOL 22100</td>
<td>Intro to Microbiology</td>
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Semester 5

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<td>Nursing Care of Women through the Lifespan (1st 8 weeks)</td>
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<td>BHS 20100</td>
<td>Statistical Methods for theBehavioral Sciences</td>
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<td>NUR 39400</td>
<td>Health Promotion and Education</td>
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<td>NUR 39700</td>
<td>Nursing Care of the Aged, Disabled &amp; Chronically III</td>
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<td>NUR 39100</td>
<td>Professional Ethics</td>
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Semester 6

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<td>Pediatric Nursing Practicum (2nd 8 wks)</td>
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<td>NUR 41500</td>
<td>Pathophysiology</td>
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<td>NUR 38800</td>
<td>Nursing of Families and Groups</td>
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<td>Nursing Research</td>
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<td>F&amp;N 30300</td>
<td>Essentials of Nutrition</td>
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Semester 7

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<td>NUR 48200</td>
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<td>NUR 48800</td>
<td>Capstone Course Preparation</td>
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Semester 8 LEC

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<td>Community Health Nursing Practicum</td>
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<td>NUR 48600</td>
<td>Community Health Nursing</td>
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<td>Capstone Course in Nursing</td>
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Admission Requirements for the ACCELERATED SECOND DEGREE IN NURSING OPTION

Purdue University Calumet School of Nursing offers an accelerated program for non-nurses who possess a minimum of a baccalaureate degree in another discipline. This intense and innovative program is designed specifically for full time, academically talented students, who are mature critical thinkers and motivated to earn a BS degree in nursing in a shortened time frame. Students who have a bachelor’s degree in another major that are not interested in a full time program or do not meet the admission requirements are encouraged to meet with the nursing academic advisor and explore their options in the traditional program.

Admission Requirements:

The successful applicant will:

1. Have a minimum of a baccalaureate degree in any major from an accredited institution.
2. Have a cumulative grade point average of 3.0 from prior baccalaureate and/or graduate program.
3. Have a minimum grade of “C” or better in all prerequisite courses.
4. Provide an essay outlining personal goals and objectives along with a resume.
5. Complete a face-to-face interview with members of the admissions committee.

Entrance Requirements:

1. Complete all OSHA requirements prior to enrollment.
2. Complete a criminal background check.
3. Meet with the nursing academic advisor.
4. Attend the nursing orientations.
### Online RNBS, Nursing Completion Program

#### Degree Requirements

<table>
<thead>
<tr>
<th>Science Courses (17 Credits)</th>
<th>Humanities/Social Science Courses (12 Credits)</th>
<th>Elective Courses (3 Credits)</th>
<th>Nursing Courses (30 Credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy &amp; Physiology – 8 credits</td>
<td>Introductory Psychology – 3 credits</td>
<td>History, Political Science, Philosophy, Arts, Nursing elective or other course – 3 credits</td>
<td>Earned transfer credit or department credit without examination.</td>
</tr>
<tr>
<td>General Chemistry – 3 credits</td>
<td>Pharmacology, Math or Science Course – 2 credits</td>
<td>Growth &amp; Development, Sociology, Child Psychology, Nutrition, or other Social Science course – 6 credits</td>
<td>Graduates of Associate Degree Nursing Programs who do not have the required 30 hours of nursing credit will have their academic records evaluated on an individual basis.</td>
</tr>
<tr>
<td>Microbiology – 4 credits</td>
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### Admission Requirements for the Online RN BS, Nursing Completion Option

The Registered Nurse preparing for admission in the RNBS, Nursing Completion Program at Purdue University Calumet must meet the following criteria to be considered for admission:

1. Complete Purdue University Calumet Application and submit application fee.
2. Minimum GPA of 2.5/4.0.
3. Successfully completed an associate’s degree or diploma program in Nursing.
4. Licensure as a Registered Nurse.
5. Completion of 62 semester credit hours of lower division courses, distributed as follows:

#### Plan of Study

**Accelerated Second Degree in Nursing Option**

**(121 Credits)**

<table>
<thead>
<tr>
<th>Semester 1</th>
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<tbody>
<tr>
<td>NUR 18800 Foundations of Health Assessment and Health Promotion</td>
<td>2</td>
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<tr>
<td>NUR 19200 Foundations of Nursing (1st 8 wks.)</td>
<td>2</td>
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<tr>
<td>NUR 19600 Foundations of Psychosocial Nursing (1st 8 wks.)</td>
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<tr>
<td>NUR 19700 Practicum I (2nd 8 wks.)</td>
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<td>NUR 18200 Conceptual and Theoretical Thinking in Nursing</td>
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<tr>
<td>NUR 28200 Adult Nursing I</td>
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<td>NUR 28300 Practicum II</td>
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</tr>
<tr>
<td>NUR 28600 Mental Health Nursing (1st 8 wks.)</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>NUR 41500 Pathophysiology</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>NUR 39000 Nursing Research</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>NUR 39100 Professional Ethics</td>
<td>2</td>
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<table>
<thead>
<tr>
<th>Semester 3</th>
<th>LEC</th>
<th>LAB</th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 39200 Adult Nursing II</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>NUR 39300 Practicum III (2nd 8 weeks)</td>
<td>0</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>NUR 35200 Gerontological Nursing</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>NUR 48200 Nursing Leadership and Management</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>NUR 48800 Capstone Course Preparation</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 4</th>
<th>LEC</th>
<th>LAB</th>
<th>CR</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 31700 Nursing Care of Women through the Lifespan (1st 8 wks.)</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>NUR 31800 Maternity Practicum (2nd 8 wks.)</td>
<td>0</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>NUR 36100 Pediatric Nursing I (1st 8 wks.)</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>NUR 36200 Pediatric Nursing Practicum (2nd 8 weeks)</td>
<td>0</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>NUR 48500 Community Health Nursing Practice</td>
<td>1</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>NUR 48600 Community Health Nursing</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>NUR 49800 Capstone Course in Nursing</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
</tbody>
</table>

All students are required to complete a state board review course prior to receiving the certificate of completion.

#### Breakdown of Credit Hours

- 29-31 cr. Previous Degree
- 34-36 cr. Prerequisite requirements (some of which might come from previous degree)
- 58 cr. Nursing Major
- 121-123 cr. hours

At the completion of this program students will receive a BS degree in Nursing and be eligible to take the National Council Licensing Examination to become a Registered Nurse.

**Program Approved by Undergraduate Curriculum Committee 4/26/04**
Online RNBS, Nursing Completion Degree Program

Plan of Study

<table>
<thead>
<tr>
<th>Core Nursing Courses</th>
<th>Credit Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 18200 – Conceptual and Theoretical Thinking in Nursing</td>
<td>2</td>
</tr>
<tr>
<td>NUR 38400 – Concepts of Development in Professional Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NUR 39000 – Nursing Research</td>
<td>3</td>
</tr>
<tr>
<td>Prerequisites: Introductory Statistics, English Composition II</td>
<td></td>
</tr>
<tr>
<td>NUR 38800 – Nursing of Families and Groups</td>
<td>3</td>
</tr>
<tr>
<td>NUR 39100 – Professional Ethics*</td>
<td>2</td>
</tr>
<tr>
<td>NUR 39400 – Health Promotion and Education</td>
<td>3</td>
</tr>
<tr>
<td>NUR 39700 – Nursing Care of the Aged, Disabled &amp; Chronically Ill</td>
<td>3</td>
</tr>
<tr>
<td>NUR 41500 – Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>NUR 45100 – Nursing Informatics</td>
<td>3</td>
</tr>
<tr>
<td>NUR 48300 – Community &amp; Public Health Nursing</td>
<td>5</td>
</tr>
<tr>
<td>NUR 48200 – Nursing Leadership and Management*</td>
<td>2</td>
</tr>
<tr>
<td>NUR 49800 – Capstone Course in Nursing***</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 35

<table>
<thead>
<tr>
<th>Non-Nursing Required Courses</th>
<th>Credit Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHS 20100 – Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 10500 – English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>COMM – Communication Elective</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective***</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 24

LPN to BS Option in Nursing

ADMISSION REQUIREMENTS FOR AN ACCELERATED CURRICULUM TRACK FOR THE LPN TO BS OPTION

PREREQUISITE COURSES FOR ADVANCED PLACEMENT (42 CREDIT HOURS)

The Licensed Practical Nurse preparing to seek admission for advanced placement in the Undergraduate Degree Nursing Program at Purdue University Calumet must:

Step 1:
A. Complete an undergraduate application (available at Enrollment Services Center.)
B. Submit copy of official transcript showing all course work from a state accredited Practical Nurse Program (with date of practical nurse program completed) and other collegiate institutions to Admission Office.
C. Submit copy of current practical nurse licensure to Admissions Office.

When above is completed, Admissions will forward paperwork to nursing Academic advisor. You are then notified of Admission status.

The School of Nursing reserves the right to deny readmission to any student who was previously dismissed from PUC’s Nursing Program or any other Nursing Program.

Step 2:
After you are notified of Admission status (major code LPN)
A. Make an appointment with nursing academic advisor to discuss the criteria for advanced placement.
B. Provide evidence of successful completion of the following prerequisite support courses(27 credits) with a grade of 2.0 (C) or better and a cumulative grade point average of 2.5/4.0 grading scale:

<table>
<thead>
<tr>
<th>Science (15 Credits)</th>
<th>Humanities/Social Science (12 Credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 119 General Chemistry (3 Credits)</td>
<td>PSY 120 Introduction to Psychology (3 Credits)</td>
</tr>
<tr>
<td>BIOL 213 Human Anatomy I (4 Credits)</td>
<td>ENGLISH 104, 105 English Composition I and II (6 Credits)</td>
</tr>
<tr>
<td>BIOL 214 Human Anatomy II (4 Credits)</td>
<td>BHS 201 (3 Credits)</td>
</tr>
<tr>
<td>BIOL 221 (4 Credits)</td>
<td></td>
</tr>
</tbody>
</table>

C. Successful completion of the Foundational HESI Exam with a score of 850 or greater. This satisfies 7 credits of foundational nursing courses.
D. Successful completion of the Pharmacology HESI Exam with a score of 850 or better. This exam satisfies 5 credits for the Pharmacology courses. Credit for the pharmacology courses (NUR 294 and NUR 274) can also be established by taking the courses.
E. Successful completion of NUR 18800 with a C or better.

FIRST YEAR NURSING COURSES (15 Credit Hours)

<table>
<thead>
<tr>
<th>Credit by Exam (12 Credit Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundational HESI Exam (All Courses Below) (7 Credits)</td>
</tr>
<tr>
<td>NUR 192 Foundations of Nursing (2 Credits)</td>
</tr>
<tr>
<td>NUR 196 Foundations of Psychosocial Nursing (3 Credits)</td>
</tr>
<tr>
<td>NUR 197 Practicum I (2 Credits)</td>
</tr>
</tbody>
</table>

NOTE: The HESI Exam may be taken only once. Failure to achieve a score of greater than or equal to 850 on the exam will result in ineligibility for advanced placement in the program.

| NUR 188 Foundations of Health Assessment and Health Promotion (3 credits) (Students must complete above exam requirements prior to registering for NUR 188) | |

126 | DEPARTMENTS / SCHOOLS
Upon completion of the prerequisite courses and CGPA and successful completion of the HESI exams for advanced placement (42 credits total), the student will be admitted on space available basis.

G. Clinical Requirements: Applicants who have been admitted to the School of Nursing will be required to meet all clinical requirements listed in the undergraduate student handbook at [http://webs.purduecal.edu/nursing/undergraduate/handbook/course-req/clinical-eligibility-documents/](http://webs.purduecal.edu/nursing/undergraduate/handbook/course-req/clinical-eligibility-documents/). Malpractice insurance purchased through the University is required upon enrollment in the first clinical nursing course.

**Plan of Study for LPN to BS Option**

*(81 CREDIT HOURS)*

<table>
<thead>
<tr>
<th>SEMESTER 3</th>
<th>COURSE</th>
<th>COURSE TITLE</th>
<th>TOTAL CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 181</td>
<td>Introduction to Professional Nursing</td>
<td>1 Credit Hr.</td>
<td></td>
</tr>
<tr>
<td>NUR 182</td>
<td>Conceptual and Theoretical Thinking in Nursing</td>
<td>2 Credit Hrs.</td>
<td></td>
</tr>
<tr>
<td>F&amp;N 303</td>
<td>Essentials of Nutrition</td>
<td>3 Credit Hrs.</td>
<td></td>
</tr>
<tr>
<td>NUR 275</td>
<td>Alternative Therapies for Nursing Practice</td>
<td>2 Credit Hrs.</td>
<td></td>
</tr>
<tr>
<td>COM</td>
<td>Elective</td>
<td>3 Credit Hrs.</td>
<td></td>
</tr>
<tr>
<td>NUR 384</td>
<td>Concepts of Role Development in Professional Nursing</td>
<td>3 Credit Hrs.</td>
<td></td>
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</tbody>
</table>

*Semester Total: 14 Credits*

<table>
<thead>
<tr>
<th>SEMESTER 4</th>
<th>COURSE</th>
<th>COURSE TITLE</th>
<th>TOTAL CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 282</td>
<td>Adult Nursing I</td>
<td>4 Credit Hrs.</td>
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</tr>
<tr>
<td>NUR 283</td>
<td>Practicum II</td>
<td>2 Credit Hrs.</td>
<td></td>
</tr>
<tr>
<td>NUR 286</td>
<td>Mental Health Nursing Practicum</td>
<td>3 Credit Hrs.</td>
<td></td>
</tr>
<tr>
<td>NUR 287</td>
<td>Mental Health Nursing Practicum</td>
<td>1 Credit Hr.</td>
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</tr>
<tr>
<td>NUR 451</td>
<td>Nursing Informatics</td>
<td>3 Credit Hrs.</td>
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</table>

*Semester Total: 13 Credits*

<table>
<thead>
<tr>
<th>SEMESTER 5</th>
<th>COURSE</th>
<th>COURSE TITLE</th>
<th>TOTAL CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 317</td>
<td>Nursing Care of Women through the Lifespan (1st 8 weeks)</td>
<td>3 Credit Hrs.</td>
<td></td>
</tr>
<tr>
<td>NUR 318</td>
<td>Pediatric Nursing Practicum (2nd 8 weeks)</td>
<td>1 Credit Hr.</td>
<td></td>
</tr>
<tr>
<td>NUR 394</td>
<td>Health Promotion and Education</td>
<td>3 Credit Hrs.</td>
<td></td>
</tr>
<tr>
<td>NUR 397</td>
<td>Nursing Care of the Aged, Disabled and Chronically Ill</td>
<td>3 Credit Hrs.</td>
<td></td>
</tr>
<tr>
<td>NUR 391</td>
<td>Professional Ethics</td>
<td>2 Credit Hrs.</td>
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</table>

*Semester Total: 12 Credits*

<table>
<thead>
<tr>
<th>SEMESTER 6</th>
<th>COURSE</th>
<th>COURSE TITLE</th>
<th>TOTAL CREDIT HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 361</td>
<td>Pediatric Nursing (1st 8 weeks)</td>
<td>2 Credit Hrs.</td>
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<tr>
<td>NUR 372</td>
<td>Pediatric Nursing Practicum (2nd 8 weeks)</td>
<td>1 Credit Hr.</td>
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<tr>
<td>NUR 415</td>
<td>Pathophysiology</td>
<td>3 Credit Hrs.</td>
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<tr>
<td>NUR 388</td>
<td>Nursing of Families and Groups</td>
<td>3 Credit Hrs.</td>
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<tr>
<td>NUR 390</td>
<td>Nursing Research</td>
<td>3 Credit Hrs.</td>
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*Semester Total: 12 Credits*

<table>
<thead>
<tr>
<th>SEMESTER 7</th>
<th>COURSE</th>
<th>COURSE TITLE</th>
<th>TOTAL CREDIT HOURS</th>
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</thead>
<tbody>
<tr>
<td>NUR 392</td>
<td>Community Health Nursing II</td>
<td>3 Credit Hrs.</td>
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<tr>
<td>NUR 393</td>
<td>Practicum III</td>
<td>3 Credit Hrs.</td>
<td></td>
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<tr>
<td>NUR 482</td>
<td>Nursing Leadership &amp; Management</td>
<td>2 Credit Hrs.</td>
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<tr>
<td>NUR 399</td>
<td>Nursing Elective</td>
<td>3 Credit Hrs.</td>
<td></td>
</tr>
<tr>
<td>PHIL</td>
<td>Elective</td>
<td>3 Credit Hrs.</td>
<td></td>
</tr>
<tr>
<td>NUR 488</td>
<td>Capstone Course Preparation</td>
<td>1 Credit Hr.</td>
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</table>

*Semester Total: 15 Credits*

<table>
<thead>
<tr>
<th>SEMESTER 8</th>
<th>COURSE</th>
<th>COURSE TITLE</th>
<th>TOTAL CREDIT HOURS</th>
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<tbody>
<tr>
<td>NUR 485</td>
<td>Community Health Nursing Practicum</td>
<td>3 Credit Hrs.</td>
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<tr>
<td>NUR 486</td>
<td>Community Health Nursing</td>
<td>3 Credit Hrs.</td>
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</tr>
<tr>
<td>NUR 498</td>
<td>Capstone Course in Nursing</td>
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<tr>
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<td>3 Credit Hrs.</td>
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</tr>
<tr>
<td>ELECTIVE</td>
<td>Open</td>
<td>3 Credit Hrs.</td>
<td></td>
</tr>
</tbody>
</table>

*Semester Total: 15 Credits*
Master of Science, Nursing

Students select among the Clinical Nurse Specialist (45 credits), Family Nurse Practitioner (45 credits), or Nursing Executive (45 credits) options. Full-time study requires six semesters including summer; part-time study options are available.

Admission Requirements
1. Graduation from an accredited baccalaureate program in nursing.
2. Evidence of current registered nurse licensure.
3. Minimum undergraduate cumulative GPA of 3.0/4.0
4. Basic physical assessment course.
5. Introductory statistics course (within five years prior to admission).
6. Criminal background check clearance (Information about testing to be obtained through School of Nursing.)

An applicant who does not meet one or more of the admission requirements may be considered for conditional admission status. In addition to the preceding requirements for admission, the School of Nursing adheres to Purdue University Graduate School Admission policies regarding English as a foreign language.

Special Graduation Requirements
Final graduation grade point average of a "B" or better on the approved Plan of Study. Minimum grade of "B" in all core and specialty required nursing courses. The program must be completed within 5 years following admission.

1. Advanced Practice in Nursing Core Courses
   (Applies to all Master-level study options)
   - NUR 50000 Theoretical Constructs in Nursing
   - NUR 50100 Foundations of Advanced Practice in Nursing
   - NUR 50300 Sociocultural Influences on Health
   - NUR 51000 Nursing Research
   - NUR 51100 Health Promotion for Advanced Practice in Nursing
   - NUR 52700 Ethics for Nurses in Advanced Practice
   - NUR 65500 Advanced Practice in Nursing Seminar
   - NUR 66500 Healthcare Organization, Policy and Economics

2. Additional Clinical Nurse Specialist and Family Nurse Practitioner Core Courses
   - NUR 50200 Pharmacotherapeutics for Advanced Practice Nursing
   - NUR 50300 Advanced Health Assessment
   - NUR 50700 Physiologic Concepts for Advanced Practice Nursing

3. Specialty Courses
   - Clinical Nurse Specialist Option
     Choose A or B
     A. Critical Care Clinical Nurse Specialist
        - NUR 60200 Critical Care Clinical Nurse Specialist I
        - NUR 60300 Critical Care Clinical Nurse Specialist Practicum I
        - NUR 63000 Critical Care Clinical Nurse Specialist II
        - NUR 63500 Critical Care Clinical Nurse Specialist Practicum II
        - NUR 65900 Critical Care Clinical Nurse Specialist Practicum III: Clinical Synthesis
     B. Adult Health Clinical Nurse Specialist
        - NUR 60000 Adult Health Clinical Nurse Specialist I
        - NUR 60100 Adult Health Clinical Nurse Specialist Practicum I
        - NUR 61800 Adult Health Clinical Nurse Specialist II
        - NUR 62000 Adult Health Clinical Nurse Specialist Practicum II
        - NUR 65800 Adult Health Clinical Nurse Specialist Practicum III: Clinical Synthesis
   - Family Nurse Practitioner Option
     - NUR 61100 Primary Care of the Young Family
     - NUR 61300 Primary Care of the Young Family Practicum
     - NUR 62200 Primary Care of the Aging Family
     - NUR 62300 Primary Care of the Aging Family Practicum
     - NUR 65700 FNP Practicum: Clinical Synthesis

Nurse Executive Option
- NUR 52500 Informatics
- NUR 65000 Concepts for the Nurse Executive Creating an Environment for Professional Practice
- NUR 65100 Role of the Nursing Executive for Professional Practice
- NUR 65300 Nursing Administration, Financial Management
- SPEA V561 OR Public Human Resources Management
- OBHR 63300
- NUR 67100 Nurse Executive, Practicum I
- NUR 67200 Nurse Executive, Practicum II

4. Electives (required in the Clinical Nurse Specialist and Nurse Executive Options)
   Two to three credits from Nursing or other fields of study

Adult Health or Critical Care Clinical Nurse Specialist Post-Master’s Certificate Programs

Purpose:
The purpose of the Adult Health or Critical Care Clinical Nurse Specialist Certificate Programs at Purdue University Calumet will be to provide Clinical Nurse Specialist (CNS) preparation to qualified Master’s prepared nurses. CNSs are advanced practice nurses who are uniquely prepared to meet complex patient’s needs for expert nursing care. In addition, CNSs advance the practice of nursing through their positive influence on nurses, nursing practice and healthcare systems. The target audience for this program includes master’s prepared nurses that are interested in becoming clinical nurse specialists.

Admission Requirements
The admission process for the Adult Health or Critical Care Clinical Nurse Specialist Post-Master’s Certificate Programs adheres to Graduate School Admission policies regarding English as a foreign language and parallels that for students seeking a Master’s Degree in Nursing. Specific requirements are:
1. Master’s degree in nursing from an accredited institution or admission and enrollment in a master’s degree program in nursing.
2. Minimum graduate GPA of 3.0/4.0 with the possibility of conditional admission for applicants who do not meet this requirement.
3. Evidence of current registered nurse licensure.
4. A minimum of one year or 1500 hours of experience as a registered nurse.
5. Criminal background check clearance (Information about testing to be obtained through School of Nursing).

Completion Requirements
The certificate requires students to complete a minimum of 12 credit hours and a maximum of 25 credit hours consisting of the following courses.

Adult Health and Critical Care
- NUR 50200 Pharmacotherapeutics for Advanced Practice Nursing* (3 credits)
- NUR 50300 Advanced Health Assessment* – 3 credits
- NUR 50700 Physiologic Concepts for Advanced Practice Nursing* (4 credits)
- NUR 51100 Health Promotion for Advanced Practice in Nursing* (3 credits)

Adult Health
- NUR 60000 Adult Health CNS I (3 credits)
- NUR 60100 Adult Health CNS Practicum I (2 credits)
- NUR 61800 Adult Health CNS II (3 credits)
- NUR 62000 Adult Health CNS Practicum II (2 credits)
- NUR 65800 Adult Health CNS Practicum III: Clinical Synthesis (2 credits)

Critical Care
- NUR 60200 Critical Care CNS I (3 credits)
- NUR 60300 Critical Care CNS Practicum I (2 credits)
- NUR 63000 Critical Care CNS II (3 credits)
- NUR 63500 Critical Care CNS Practicum II (2 credits)
- NUR 65900 Critical Care CNS Practicum III: Clinical Synthesis (2 credits)

*May be waived if student has taken a comparable course at Purdue University Calumet or another accredited nursing program within 5 years prior to application to this program.
Family Nurse Practitioner Post-Master’s Certificate Program

Purpose:
The purpose of the Family Nurse Practitioner Certificate Program at Purdue University Calumet is to increase the numbers of family nurse practitioners prepared to provide primary care. Primary care is currently undergoing a period of expansion in order to meet the increasing healthcare needs of our nation’s citizens. The post-master’s certificate program at Purdue University Calumet exists to address the need for increased numbers of primary care providers. The target audience for this program includes master’s prepared nurses that are interested in becoming family nurse practitioners.

Admission Requirements
The admission process for the Family Nurse Practitioner Certificate Program adheres to Graduate School Admission policies regarding English as a foreign language and parallels that for students seeking a Master’s Degree in Nursing. Specific requirements are:

1. Master’s degree in nursing from an accredited institution or admission and enrollment in a master’s degree program in nursing.
2. Minimum graduate GPA of 3.0/4.0 with the possibility of conditional admission for applicants who do not meet this requirement.
3. Evidence of current registered nurse licensure.
4. A minimum of one year or 1500 hours of experience as a registered nurse.
5. Criminal background check clearance (Information about testing to be obtained through School of Nursing.)

Completion Requirements
Credit Hour Requirements:
The certificate requires students to complete a minimum of 14 and a maximum of 27 credit hours consisting of the following courses:

- NUR 50200 Pharmacotherapeutics for Advanced Practice Nursing* (3 credits)
- NUR 50300 Advanced Health Assessment* (3 credits)
- NUR 50700 Physiologic Concepts for Advanced Practice Nursing* (4 credits)
- NUR 51100 Health Promotion for Advanced Practice in Nursing* (3 credits)
- NUR 61100 Primary Care of the Young Family (3 credits)
- NUR 61300 Primary Care of the Young Family Practicum (3 credits)
- NUR 62200 Primary Care of the Aging Family (3 credits)
- NUR 62300 Primary Care of the Aging Family Practicum (3 credits)
- NUR 65700 FNP Practicum: Clinical Synthesis (2 credits)

*May be waived if student has taken a comparable course at Purdue University Calumet or another accredited nursing program within 5 years prior to application to this program.

Post-Master’s Certificate in Nursing Education

Purpose
The purpose of the Post-Master’s Certificate in Nursing Education Program at Purdue University Calumet is to increase the numbers of nurse educators and improve the quality of nursing education. This purpose is accomplished by: providing knowledge and experience in curriculum development; teaching methods to enable qualified master’s prepared nurses to assume the role of beginning faculty; and providing faculty who wish to acquire formal academic preparation in teaching the means to do so. The target audience for this program consists of master’s students and master’s prepared advanced practice nurses, as well as faculty interested in continuing their formal education in teaching.

Admission Requirements
The admission process for the Post-Master’s Certificate in Nursing Education adheres to Graduate School Admission policies regarding English as a foreign language and parallels that for students seeking a Master’s Degree in Nursing. Specific requirements are:

1. Master’s degree in nursing from an accredited institution or admission and enrollment in a master’s degree program in nursing.
2. Minimum graduate GPA of 3.0/4.0 with the possibility of conditional admission for applicants who do not meet this requirement.
3. Evidence of current registered nurse licensure.
4. Criminal background check clearance (Information about testing to be obtained through School of Nursing.)

Credit Hour Requirements:
The certificate requires students to complete 10 credit hours consisting of the following existing courses:

- EDCI 57200 Introduction to Learning Systems Design (3 credits)
- NUR 66000 Curriculum Development in Nursing (3 credits)
- NUR 66200 Teaching Strategies for Nursing (4 credits)
School of Technology
Academic programs offered by the School of Technology include state-of-the-art curricula to meet the ever-changing demands of business and industry for highly-trained technical professionals. The School of Technology offers small class sizes, research opportunities, and the opportunity to profit from real-world laboratory experiences.

- **Computer Information Technology and Graphics** (Charles Winer, Head; 219/989-2035, Gyte Bldg., Room 251)
- **Construction Science and Organizational Leadership** (Anthony Gregory, Head; 219/989-2332, Anderson Bldg., Room 212)
- **Engineering Technology** (Essaid Bouktache, Head; 219/989-2471, Potter Bldg., Room 121)

### Bachelor Degree Programs

- Computer Graphics Technology
- Computer Information Technology
- Construction Management & Engineering Technologies
- Electrical Engineering Technology
- Industrial Engineering Technology
- Mechanical Engineering Technology
- Mechatronics Engineering Technology
- Organizational Leadership and Supervision

### Master’s Degree Program

- Technology

### Career Opportunities

Those who graduate from Purdue University Calumet's School of Technology are prepared for such career opportunities as a Process Engineer, Plant Manager, Safety Specialist, Database Administrator, Quality Assurance Manager, Product Design Engineer, Process Control Instrumentation Technologist, Human Resource Specialist, Computer Network Technologist, Corporate Trainer, Biomedical Instrumentation Technologist, Construction Scheduler, Multimedia Specialist, Survey Crew Chief, Estimator, CAD Operator/Manager, Graphic Artist, Animator, Virtual Reality Developer, Web Designer/Developer, Lead Software Developer, Software Application Architect, Network Security Technician, Expediter, Manufacturing Supervisor, Materials Technician, System Administrator, Information Technology Consultant, Software Engineer, Programmer, Application Developer, System Analyst and more.
Department of Computer Information Technology and Graphics

Charles Winer, Professor and Department Head. Faculty: M. Chandramouli; K. Jiang; G. Jin; T. Kim; B. NicolaI; K. Nankivell; M. Roller; J. Whittington
Emeritus Faculty: S. Rados
Academic Advisor: Debra Armand, Computer Information Technology and Computer Graphics Technology
Staff: J. Curry, Department Secretary; D. Alt, CITG Technology Specialist

The Department of Computer Information Technology and Graphics (CIT&G), offers Bachelor of Science (B.S.) Degree programs in computer information technology and computer graphics technology. The programs blend the theoretical with the practical and emphasize business applications.

The mission of the Computer Information Technology and Graphics Department at Purdue University Calumet is to provide superior academic programs to our students, acclaimed service to the Calumet Region, and excellence in scholarship to the information technology community. Through classroom and lab interaction with experienced faculty and the ability of students to perform applied research and experiential learning, our graduates are able to begin their professional work activities with the confidence and knowledge to be successful in their chosen field of work. Our computer lab facilities and industry standard software enable students to be on the leading edge of what they will encounter in the real world of information technology and graphics.

For further information, please call the Computer Information Technology and Graphics office at (219) 989-2035. The department homepage can be accessed at: http://webs.purduecal.edu/citg/

Computer Information Technology and Graphics Bachelor of Science degrees:
- Bachelor of Science, Computer Information Technology
- Bachelor of Science, Computer Graphics Technology

Notes: ITS (Information Technology Systems) is the CIT program’s subject code designator, CGT (Computer Graphics Technology) is the CIT program’s subject code designator.

Computer Information Technology (CIT)
The following are the Program Educational Objectives (PEO’s) for the Baccalaureate Degree in Computer Information Technology (CIT):

Program Educational Objective 1:
The program will produce graduates that are information technologists with applied research, critical thinking and problem solving skills.

Program Educational Objective 2:
The program will produce graduates that are professionals, leading industry direction with excellence in providing solutions to business needs.

Program Educational Objective 3:
The program will produce graduates that are future information technology leaders.

Program Educational Objective 4:
The program will produce graduates that are life-long learners who have a commitment to service within the community.

Program Educational Objective 5:
The program will produce graduates that are citizens of the world, sensitive to state, national and global initiatives through technological solutions.

This program is based on curriculum standards of the Association for Computing Machinery/Special Interest Group Information Technology Education (ACM/SIGITE) core curriculum that meets the requirements of Purdue University Calumet instructional guidelines. The curriculum has the student experience each individual topic in their first two years. The SIGITE core is made up of general education courses and specific Information Technology requirements of the accreditation guidelines. The core courses span knowledge areas that include computational thinking / problem solving, algorithm development, database implementation, project management, human computer interaction, information assurance and security, networking technologies, platform technologies, and operating systems implementation. Through classroom and lab interaction with experienced faculty and the ability to perform applied research and experiential learning, Computer Information Technology graduates are able to begin their professional work activities with the confidence and knowledge to be successful in their chosen field of work.

The department supports four state-of-the-art and cutting-edge technology virtual classrooms/labs in Powers building allowing students to access our courses and labs from anywhere and at anytime. Digitally recorded modules may be archived and available as Podcasts or viewed as live or recorded Webcasts so students can work on a self-paced basis.
Bachelor of Science, Computer Information Technology
(121-122 CREDIT HOURS)

1. English and Communications
   ENGL 10400  English Composition
   ENGL 22000  Technical Report Writing
   COM 11400  Fundamentals of Speech Communications

2. Mathematics and Science
   MA 14700  Algebra and Trigonometry for Technology
   MA 20500  Discrete Mathematics for IT
   STAT 30100  Elementary Statistical Methods

3. Natural Science — defined as one of the following: Science 11200, Astronomy, Geology, Biology, Physics or Chemistry.

4. Humanities and Social Science
   Humanities — defined as one of the following: American History, English Literature, Modern Language, Philosophy, World History, World Literature, or Aesthetics (Fine Arts, Music, and Theater).
   Social Sciences — defined as one of the following: Anthropology, Communication, Economics, Political Science, Psychology or Sociology

5. Open Elective — (Consisting of 3 credit hours)

6. Computer Information Technology
   ITS 10000  Information Technology Fundamentals
   ITS 11000  Web Systems Technologies
   ITS 12000  Introduction to Human-Computer Interaction
   ITS 13500  Operating Systems Technologies
   ITS 14000  Introduction to Computer Algorithms and Logic
   ITS 17000  Networking Technologies
   ITS 20000  Ethical and Legal Issues in IT
   ITS 24000  IT Programming Fundamentals
   ITS 24500  Integrative Programming
   ITS 25000  Fundamentals of Information Assurance
   ITS 26000  Applied Database Technologies
   ITS 27000  Internetworking Technologies
   ITS 33000  Advanced Operating Systems
   ITS 34000  Advanced Programming
   ITS 35000  Systems Assurance
   ITS 35200  Disaster Recovery and Planning
   ITS 36000  Distributed Application Architecture and Design
   ITS 36200  Distributed Application Development
   ITS 36400  Database Modeling and Implementation
   ITS 37000  Data Communications and Networking
   ITS 37200  System Administration and Management
   ITS 45000  Software Assurance
   ITS 45200  Computer Forensics
   ITS 45400  Assured Systems Design and Implementation
   ITS 46200  Application Integration
   ITS 47000  Large Scale High Performance Systems
   ITS 47200  Network Design and Implementation
   ITS 48000  IT Project Development and Management
   ITS 49000  Senior Project/Undergraduate Research

Program Notes:
1. The program requirements are determined by the date a student officially becomes a CIT major.
2. A student who is not qualified to take at least ENGL 10400 and MA 14700 courses is considered deficient and cannot take any ITS courses until the deficiency is removed.
3. A grade of a “C” or better is required in each ITS major course. ITS courses in which lower grades have been received must be retaken before progressing to the next course in the sequence. An incomplete is not considered a passing grade.
4. Only two ITS courses may be repeated because of an unsatisfactory (D or F) grade. These courses may only be repeated one time.
5. No student shall choose the pass/not pass option for an ITS course. Advisor agreement is required for any other course.
6. Students must meet the University requirements for freshman experience, general education, and experiential learning prior to graduation. Students will utilize general education selective with advisor consent in the category listed.
7. It is expected that students taking 20000, 30000, 40000 level courses have taken all of the previous levels courses regardless of prerequisites.

Computer Graphics Technology (CGT)

The following are the Program Educational Objectives (PEO’s) for the Baccalaureate Degree in Computer Graphics Technology (CGT):

Program Educational Objective 1:
The program will produce graduates that are primed for successful careers in the disciplines associated with or related to computer graphics technology.

Program Educational Objective 2:
The program will produce graduates that will understand the overall human context in which computer graphics technology activities take place.

Program Educational Objective 3:
The program will produce graduates that will develop conceptual principles, processes, and techniques essential to all areas of computer graphics and digital media production.

Program Educational Objective 4:
The program will produce graduates that will work and interact, through hands-on experiences, to design, develop, produce, and edit electronically generated imagery using a wide range of sophisticated graphical tools and techniques.

Program Educational Objective 5:
The program will produce graduates that are capable of working within a team framework to accomplish a common computer graphics goal and communicate with a range of audiences.

Program Educational Objective 6:
The program will produce graduates that are life-long learners who engage within communities for which Computer Graphics can serve.

Program Educational Objective 7:
The program will produce graduates that are computer graphics technologists with applied research, critical thinking, and problem solving skills in the evolving field of computer graphics.

   The Computer Graphics Technology program is designed to prepare students for employment as graphics technicians. Students work in computer labs developing their graphics skills, techniques, concepts, and management ability through individual and team-based projects.

   Graduates of this program work as graphics practitioners to produce engineering drawings, technical manuals, multimedia products, technical illustrations, and web pages.

   The courses in the curriculum develop skills and knowledge critical to all areas of computer graphics specialization. They embrace the teaching of ten (10) core behaviors including
Bachelor of Science, Computer Graphics Technology  
(121–123 CREDIT HOURS)

1. English and Communications  
   ENGL 10400 English Composition I  
   ENGL 22000 Technical Report Writing  
   COM 11400 Fundamentals of Public Speaking  
   OLS 47400 Conference Leadership

2. Mathematics and Science  
   PHYS 22000 General Physics I  
   Elective See * below if transferring to West Lafayette CGT  
   MA 14700 Algebra & Trigonometry for Technology I  
   MA 14800 Algebra & Trigonometry for Technology II  
   Elective See ** below if transferring to West Lafayette CGT

* If transferring to West Lafayette CGT BS degree program, you will need to include MA 22100, PHYS 22100 and a 4-hour Lab Science.

** Programming course C++ and/or JAVA. Electives: any course offered by Purdue University Calumet approved by the CGT advisor except general studies or any classes taken to remove high school deficiencies. E.g., beginning and intermediate algebra and English

3. General Education  
   ECON 21000 Principles of Economics

4. Humanities Elective  
   Any course in literature, history, philosophy, foreign language, art, music, theater, or appropriate interdisciplinary humanities courses.

5. Social Science Elective:  
   Any course in anthropology, psychology, sociology, political science, economics, or appropriate interdisciplinary social sciences courses.

   CGT 10100 Introduction to Computer Graphics Technology  
   CGT 11100 Design for Visualization and Communication  
   CGT 11200 Sketching for Visualization and Communication  
   CGT 11600 Geometric Modeling for Visualization and Communication  
   CGT 14100 Internet Foundations, Technologies, and Development  
   CGT 21100 Raster Imaging for Computer Graphics  
   CGT 21500 Computer Graphics Programming I  
   CGT 21600 Vector Imaging for Computer Graphics  
   CGT 24100 Introduction to Animation and Spatial Graphics  
   CGT 25600 Human Computer Interface Theory and Design  
   CGT 30700 Advanced Graphic Design for Web and Multimedia  
   CGT 30800 Pre Press Production  
   CGT 30900 Internship in Computer Graphics Technology  
   CGT 31000 Drawing, Acting and Scripts for Animation  
   CGT 33000 Multimedia Animation and Video Game Design and Development  
   CGT 34000 Digital Lighting & Rendering  
   CGT 34100 Motion for Computer Animation  
   CGT 34600 Digital Video and Audio  
   CGT 35100 Interactive Multimedia Design  
   CGT 35300 Principles of Interactive & Dynamic Media  
   CGT 35600 Web Programming, Development & Data Integration  
   CGT 41100 Contemporary Problems in Applied Computer Graphics  
   CGT 41600 Senior Design Project  
   CGT 44200 Production for Computer Animation  
   CGT 44600 Post-Production & Special Effects for Computer Animation  
   CGT 45000 Professional Practices  
   CGT 45100 Multimedia Application Development  
   CGT 45600 Advanced Web Programming, Development & Data Integration

7. Programming Courses (2 courses)  
   CGT 21500 Computer Graphics Programming I

SELECT ONE OF THE FOLLOWING AND/OR
   ITS 24000 IT Programming Fundamentals  
   ITS 24500 Integrative Programming

   Computer Based Systems, Computer Hardware or programming fundamentals. Visual Programming or Approved, JAVA or C++ course; Approved Programming course or approved technical elective

8. Technical Elective  
   Two Technical Electives (6 credit hours) with advisor approval.

   Technical Elective - any course in CGT, School of Technology, A&D, CGT related and approved by the CGT advisor.

9. Management/Supervision  
   OLS 25200 Human Relations in Organizations  
   MGMT 32400 Marketing Management  
   OR  
   OLS 35100 Entrepreneurship Organizational Leadership  
   OLS 35000 Applied Creativity for Business and Industry  
   OLS 37500 Training Methods  
   MGMT 42100 Promotion Management  
   OLS 47700 Conflict Management  
   OR  
   OLS 35100 Entrepreneurship Organizational Leadership  
   OLS 35000 Applied Creativity for Business and Industry
Department of Construction Science and Organizational Leadership

A.M. Gregory, Head.

Faculty: J.A. Colwell; R.E. Evans; C.F. Jenks; J.R. Johnson; D.P.Korchek; J.H.Lee; S.Nakayama; R.Ocon; J.A.Pena
Emeritus Faculty: E.A.Dudek; W.F.Glowicki; B.M.Meeker; N.G.Scarlatis
Academic Advisor: Tyanna McCann – Construction Management and Engineering Technologies and Organizational Leadership and Supervision
Staff: Sheree Kayden – Department Secretary

The Construction Science and Organizational Leadership department offers Bachelor of Science (B.S.) degrees in Construction Management and Engineering Technologies (CMET), and in Organizational Leadership and Supervision (OLS). The CMET Bachelor of Science degree is accredited by the Technical Accreditation Commission of ABET, http://www.abet.org. Also included in the CMET program is an option in Surveying Technology that has received endorsements by both the State of Indiana Board of Registration for Land Surveyors, and the Land Surveying Licensing Board of the Illinois Department of Professional Regulation.

The Organizational Leadership and Supervision Bachelor of Science degree offers areas of specialization in Leadership Development, Safety (Safety, Health, and Environmental Management), and in Supervision. The primary objective of the OLS degree program is to develop the philosophy, skills, and techniques required of successful, first-line leadership in business, education, government, industry, and service organizations.

The faculty of the Construction Science and Organizational Leadership department have a wealth of real world experience and are leaders in their respective disciplines. As a result, the department curricula are kept current through continuous improvement.

For further information, please call the Construction Science & Organizational Leadership office at (219) 989-2332. The department homepage can be accessed at: http://webs.purduecal.edu/csol/

Construction Science & Organizational Leadership Bachelor of Science degrees:

- Bachelor of Science, Construction Management & Engineering Technologies*
- Bachelor of Science, Organizational Leadership and Supervision

*Accredited by the Technology Accreditation Accreditation Commission of ABET, http://www.abet.org

Bachelor of Science, Construction Management and Engineering Technologies

The following are the Program Educational Objectives (PEOs) for the Baccalaureate Degree in Construction Management and Engineering Technologies (CMET):

Program Educational Objective 1:
The program will produce graduates that are prepared for successful careers in the industry specifically in the areas of construction methods, inspection, safety supervision, scheduling and management, with additional emphasis on business and communication.

Program Educational Objective 2:
The program will produce graduates that will advance in their careers and continue their professional development.

Program Educational Objective 3:
The program will produce graduates that will understand the overall human context in which engineering technology activities take place.

Program Educational Objective 4:
The program will produce graduates that will have strong communication skills, and the ability to work successfully in teams.

Program Educational Objective 5:
The program will produce graduates that are prepared in the areas of visual communication, building materials and material testing, surveying, structural analysis, hydraulics and drainage, computer application skills, properties and behavior of soils, professional ethics, construction law, construction safety and the understanding and interpretation of contract documents.

Program Educational Objective 6:
The program will produce graduates that are prepared to develop successfully in management positions, direction of personnel, as well as managing construction projects.

This major industry includes a variety of large general construction firms, small specialized contractors, materials suppliers, equipment manufacturers, and the design services of architects and engineers. The wide choice of career opportunities includes estimator, field superintendent, construction scheduler, expediter, project manager, survey crew chief, materials technician, architectural/civil drafts-person, and cost engineer.

Each year architectural, construction, consulting engineering, industrial, laboratory testing, materials supplier, and surveying firms contact Purdue Calumet seeking baccalaureate degree graduates for work in the Calumet Region and in other parts of the country. This trend should continue since there are statistics that the present enrollment of technicians and technologists will not meet the needs of this country for many years.

Bachelor of Science, Construction Management & Engineering Technologies

(130 CREDITS MINIMUM)

The objective of the Bachelor of Science degree program in Construction Management & Engineering Technologies (CMET) is to provide a broad background in the areas of construction project management, construction engineering, construction methods, inspection, supervision, scheduling and management with additional emphasis on business and communication. The intent of the bachelor of science program is to prepare students to take advantage of opportunities in management positions in which direction of personnel, as well as construction projects, is required.

Note: A grade of C or better in all courses having the “ARET, CET and CMET” designator is required to obtain the CMET B.S. degree, certificates, options or minors.

This program does not lead to professional registration in architecture or engineering.

1. Communication

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENGL 10400</td>
<td>English Comp. I</td>
</tr>
<tr>
<td>ENGL 22000</td>
<td>Technical Report Writing</td>
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<tr>
<td>ENGL 42000</td>
<td>Business Writing</td>
</tr>
<tr>
<td>COM 11400</td>
<td>Fundamentals of Speech</td>
</tr>
<tr>
<td>COM 31500</td>
<td>Comm. of Technical Information</td>
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</tbody>
</table>
2. Science and Mathematics

Science
PHYS 22000  General Physics
PHYS 22100  General Physics
One Science elective: any lab science approved by CMET department

Math
MA 14700  Algebra and Trig. for Technology I
MA 14800  Algebra and Trig. for Technology II
MA 21900  Calculus for Tech I
STAT 30100  Elementary Statistical Methods I

3. General Education

One general education elective from: Psychology, Philosophy, Sociology, Political Science, History, Foreign Languages, Anthropology, Art History, or English Literature.

4. Major Requirements

ARET 11700  Construction Drafting
ARET 17000  Materials and Systems of Construction
ARET 27600  Specifications and Contract Documents
CET 10400  Elementary Surveying
CET 16000  Statics
CET 25300  Hydraulics & Drainage
CET 26000  Strength of Materials
CET 26600  Materials Testing
CET 28000  Structural Calculations
CET 30600  Construction Surveying
CET 33100  Property and Behavior of Soils
CMET 10300  Introduction to Construction Management
CMET 28000  Structural Computations
CMET 32500  Structural Applications
CMET 34100  Construction Operations
CMET 34400  Construction Inspection (ExL)
CMET 44200  Construction Costs and Bidding
CMET 44500  Construction Management
CMET 45000  Construction Scheduling
CMET 48900  Senior Project Survey
CMET 49000  Senior Project (ExL)
IET 30800  Project Management and Economics Analysis
OLS 34000  Fund. of Const. Safety

5. Selectives

Architectural Engineering Technology Track
ARET 25000  Architectural Construction I
ARET 22200  Architectural Construction II
ARET 28300  Mech. & Elec. Equipment Bldg.

Civil Engineering Technology Track
CET 20800  Route Surveying
CET 20900  Land Surv. & Subd.
CET 30900  Principles of Highway Construction

6. Construction Electives

Two construction electives to be selected with academic advisor.

Recommended courses are:
CET 20800  Route Surveying
CET 20900  Land Surveying and Subdiv.
CET 25300  Hydraulics and Drainage
ARET 25000  Architectural Construction I (ExL)
ARET 31200  History of Architecture
CET 21000  Surveying Computations
CET 30300  Land Survey Systems
CET 30400  Legal Descriptions
CET 32200  Astronomic and Geodetic Surveying
CET 40200  Surveying Law
CET 40400  Property Surveying.

7. Humanities Elective
One general education elective from: Philosophy, History, Foreign Languages, Anthropology, Art History, English Literature or Music Appreciation.

8. Management

ECON 21000  Principles of Economics

Bachelor of Science, Construction Management & Engineering Technologies – Surveying Technology Option
(130 CREDITS MINIMUM)

The Department of Construction Management & Engineering Technologies also offers a Surveying Technology Option. The option includes 10 courses in land surveying (totaling 30 credit hours), 4 courses in mathematics (totaling 13 credit hours), and 3 courses in science (totaling 11 credit hours). This option has been designated as an “Approved Program” by the State of Indiana Board of Registration for Land Surveyors. The option also has been approved by the Land Surveying Licensing Board of the Illinois Department of Professional Regulation as satisfying the statutory requirements of a baccalaureate degree in a related science which includes 24 semester hours of land surveying courses.

For further information, please contact the department of Construction Science & Organizational Leadership at (219) 989-2332.

Note: A grade of C or better in all courses having the “ARET, CET and CMET” designer is required to obtain the CMET B.S. degree, certificates, options or minors.

Bachelor of Science, Organizational Leadership and Supervision

The following are the Program Educational Objectives (PEOs) for the Baccalaureate Degree in Organizational Leadership and Supervision (OLS):

Program Educational Objective 1:
The program will produce graduates that are prepared for successful careers specifically in the areas of Human Resources, Safety, Supervision, and Leadership, and prepared to lead in their respective professions.

Program Educational Objective 2:
The program will produce graduates that will have the ability to work and lead successfully in diverse environments and teams.

Program Educational Objective 3:
The program will produce graduates that will have effective oral and written communication skills.

Program Educational Objective 4:
The program will produce graduates that will continue their professional development and be prepared to advance in their careers.

Program Educational Objective 5:
The program will produce graduates that will have the ability to apply the knowledge, skills, and abilities (KSAs), and perspectives necessary to make appropriate professional and ethical decisions with an understanding of global, societal, and contemporary issues.

Program Educational Objective 6:
The program will produce graduates that are prepared to develop successfully in leadership and management roles in managing of people and projects in business, institutional, and technical settings. The Organizational Leadership and Supervision (OLS) Bachelor of Science degree has as its primary function the key objective of preparing students to perform well in their first work-related professional level position, and to demonstrate their leadership ability within an organizational context.

In support of this orientation, an in-depth academic program has been developed which blends theory about individual and group human behavior with practical skills training. This integration is enhanced by a dedicated and work-experienced faculty, small-size classes, and students who have “real world” exposure from their work experience.

The primary objective of Organizational Leadership and Supervision Bachelor of Science degree, is to develop the philosophy, skills, and techniques required of successful, first-line leadership in business, education, government, industry, and service organizations. OLS offers personalized areas of specialization that are practical, applied, and job-related; and best of all, tailored to the student’s interests.
Bachelor of Science, Organizational Leadership and Supervision

(127-128 CREDITS)

Note: A grade of C or better in all courses having the "OLS" designator is required to qualify for their use in OLS B.S. degree or OLS certificates

1. Communication
   COM 11400  Fund. of Speech Communication
   ENGL 10400  English Composition I
   ENGL 22000  Technical Report Writing
   ENGL 42000  Business Writing

2. Science and Mathematics
   CIS 20400  Intro. to Computer-Based Systems
   MA 14700  Algebra & Trig. for Tech. I

3. Humanities and Social Sciences
   BHS 20100  Statistical Methods for BHS
   ECON 21000  Principles of Economics
   PSY 12000  Elementary Psychology
   PHIL 32400  Ethics for the Professions

4. Major Requirements
   MGMT 20000  Introductory Accounting
   OLS 10200  Freshman Experience
   OLS 13100  Intro. to Envr. Health, Safety, & Risk Mgmt.
   OLS 16300  Fundamentals of Self Leadership
   OLS 25200  Human Relations in Org.
   OLS 37500  Training Methods
   OLS 47400  Conference Leadership
   OLS 49700  Senior Project (EXL)

5. Selectives

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<thead>
<tr>
<th>CAREER SPECIALIZATION SELECTIVES</th>
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<tr>
<th>Leadership Development</th>
<th>Safety</th>
<th>Supervision</th>
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Selective 1: OLS 37400 OLS 33100 OLS 37400
Selective 2: OLS 27200 OLS 33300 OLS 38400
Selective 3: OLS 30300 OLS 33600 Career Specialization
Selective 4: OLS 35000 OLS 33400 OLS 35000
Selective 5: OLS 37600 OLS 33200 OLS 37600
Selective 6: Technical Elective OLS 34300 Career Specialization
Selective 7: Technical Elective OLS 34100 Career Specialization
Selective 8: Technical Elective OLS 35500 Career Specialization
Selective 9: Technical Elective OLS 33700 Career Specialization
Selective 10: Technical Elective OLS 34000 OLS Elective
Selective 11: OLS 37800 OLS 41500 OLS 37800
Selective 12: OLS 45400 OLS 43000 OLS 48300
Selective 13: OLS 46800 OLS Elective OLS 46800
Selective 14: OLS 47700 OLS 42100 Elective
Selective 15: OLS 38400 OLS Elective Elective
Math Selective: STAT 13000 MA 14800 STAT 13000

Lab Science Selective 1: Lab Science Elective PHYS 22000 100-level Lab Science Selective
Lab Science Selective 2: Lab Science Elective CHEM Course Lab Science Selective
IET Selective: IET 10400 IET 10600 IET 10400

Electives

Career Specialization Elective — a concentration of job-related courses from the same subject area.

Communication Elective — COM 31800, COM 32300, COM 32500, COM 42600.

Elective — any course offered by Purdue University Calumet approved by the OLS advisor except General Studies or any classes taken to remove high school deficiencies e.g., beginning and intermediate algebra.

Humanities Elective — any course in Literature, History, Philosophy, Foreign Language, Art, Music, Theater, or appropriate interdisciplinary humanities courses.

Laboratory Science Elective — any science class with a laboratory e.g., Biology, Physics, Chemistry, Geoscience

OLS Elective — OLS 27400, OLS 35100, OLS 36400, OLS 47900, OLS 48200, OLS 48500, OLS 49600, OLS 49900, OLS 57400, OLS 59000.

Social Science — any course in Anthropology, Psychology, Sociology, Political Science, Economics, or appropriate interdisciplinary social sciences courses.

Technical Elective — any course from a School of Technology program and approved by the OLS advisor.

Organizational Leadership and Supervision — Minor

(15 CREDIT HOURS)

A grade of 2.0 (C) or better is required in all OLS courses for successful completion of this minor

OLS 16300  Fundamentals of Self-Leadership
OLS 25200  Human Relations in Organizations
OLS 37400  Supervision Management
OLS 37600  Human Resource Issues
OLS 38400  Leadership Process

or any OLS 4000-level course, excluding safety courses.
Department of Engineering Technology

E. Bouktache, Department Head. Faculty: J. P. Agrawal; A. Ahmed; C. Engle; S. Farook; M. Fathizadeh; J. Higley; A. Hossain; L. Mapa; G. Neff; W. C. Robinson; S. Scachitti; C. Sekhar; S. Ticcoo; M. Zahraee
Emeritus Faculty: M. Kays; G. Kvitik; D. Rose; N. Sorak
Academic Advisor: E. Porsky
Staff: C. Kerrick, Department Secretary

The Department of Engineering Technology (ET) at Purdue University Calumet offers four separate Bachelor of Science (B.S.) degrees in: 1) Electrical Engineering Technology*, 2) Industrial Engineering Technology*, 3) Mechanical Engineering Technology*, and 4) Mechatronics Engineering Technology.

*Accredited by the Technology Accreditation Commission of ABET, http://www.abet.org

The mission of the department is to provide career educational opportunities to students who have hands-on aptitude and are oriented towards applications. The programs offered by this department are designed to teach students the practical aspects of their disciplines along with the underlying concepts and theories, and inculcate students with an aptitude of applying their knowledge with scientific and objective reasoning.

The department's goal is to produce graduates who are equipped with marketable skills and potential for growth to meet the technical manpower needs of society. The curriculum provides a strong background in technical subjects integrating theory with extensive hands-on laboratory training, mathematics, science, and rounding off with courses in humanities and general education.

The Engineering Technology programs deal with the application of knowledge of mathematics, natural and engineering sciences, and current engineering practices. The Bachelor of Science (B.S.) degree programs within the Engineering Technology Department involve solutions of design problems, implementation, operation, and testing of engineering and manufacturing systems. Engineering Technology emphasizes an integrated approach to teaching by including both theory and practice in most of the courses which have laboratories integrated into these courses.

Our cutting edge laboratory facilities allow our students to acquire these hands-on experiences in modern laboratories which are constantly equipped and updated with instruments and software either through technology fee moneys or donations from industries.

The Department of Engineering Technology owes its strength to its faculty. All faculty are published scholars and experienced engineers who bring this experience to the classroom. The ET faculty publish books, attend conferences on regular basis, are involved in grant writing, research, and are in constant engagement with local industries for donations and rewarding partnerships. Graduate students from the School of Technology Graduate Program are often employed as Research Assistants or Teaching Assistants to assist faculty in their research or teaching assignments.

The ET department measures its success by the demand of its graduates. These graduates are highly sought in industry, with excellent placement rates and competitive starting salaries. The need for technical graduates with a Bachelor of Science (B.S.) degree in either Electrical Engineering Technology, Industrial Engineering Technology, Mechanical Engineering Technology, or Mechatronics Engineering Technology is growing at an accelerated pace, making the Engineering Technology Department a great place to start a successful career.

Senior Design Project and Experiential Learning: As a two-semester capstone course, the senior design project is required from all seniors in all four Bachelor of Science (B.S.) degrees, and fulfills the Purdue University Calumet Experiential Learning component required for graduation. The senior design project provides the opportunity for students to work in teams in a multi-disciplinary environment in order to pursue an idea from conception to design and then to execution into a demonstrable project. The project culminates with a showcase that is open to the general public. This capstone course helps students to bridge the gap between theory and practice, and ensures that students transition seamlessly and with confidence into the real industrial world.

For further information, please call the Engineering Technology Department office at (219) 989-2471. The department homepage can be accessed at: http://webs.purduecal.edu/et/

Engineering Technology Bachelor of Science degrees:

- Bachelor of Science, Electrical Engineering Technology*
- Bachelor of Science, Industrial Engineering Technology*
- Bachelor of Science, Mechatronics Engineering Technology
- Bachelor of Science, Mechanical Engineering Technology*

*Accredited by the Technology Accreditation Commission of ABET, http://www.abet.org
Bachelor of Science, Electrical Engineering Technology (EET)

The following are the Program Educational Objectives (PEOs) for the Baccalaureate Degree in Electrical Engineering Technology (EET):

Program Educational Objective 1:
The program will prepare graduates with the technical skills for successful careers in the design, application, installation, manufacturing, testing, documentation, operation, maintenance, analysis, development, implementation, and oversight of electrical/electronic(s) and computer systems.

Program Educational Objective 2:
The program will prepare graduates to work as effective team members with commanding oral and written communication skills, as well as to advance in their careers and continue their professional development.

Program Educational Objective 3:
The program will prepare graduates to exercise ethics in their profession and to recognize the global impacts of their profession on society.

Given the sophistication dictated by the emerging technologies within the vast field of electrical & electronics engineering, the B.S. degree in Electrical Engineering Technology is designed to give graduates a strong background to help them enter the job market and be productive in society. Graduates of the program are readily employable because of their theoretical and practical skills in each technical subject and their extensive hands-on laboratory training.

Bachelor of Science degree in Electrical Engineering Technology provides knowledge in:
- Circuits and Network Theory
- Switching Theory (Digital Circuits)
- Analog Electronics
- Embedded System Design
- System Diagnostics
- Microprocessor Based Systems
- Hardware/Software Integration
- Computer Hardware Technology
- Computer Networking
- Process Control
- Computer Aided Electronic Fabrication
- Programmable Logic Controllers
- Telecommunications
- Biomedical Instrumentation
- Digital Signal Processing
- Power and Power Electronics
- IP Telephony
- Wireless Networking

Career Opportunities:
- Computer Hardware/Software Technologists
- Industrial Process Control Instrumentation Technologists
- Power Electronics Technologists
- Telecommunication Technologists
- Computer Networking Specialists
- Electrical Power Technologist
- Biomedical Instrumentation Technologists

Bachelor of Science, Electrical Engineering Technology* (128 CREDITS MINIMUM)

1. Electrical Engineering Technology Required Courses
ECET 10000 Introduction to Electrical & Computer Engineering Technology
ECET 10200 Electrical Circuits I
ECET 10900 Digital Fundamentals
ECET 11000 Computer System Architecture
ECET 15200 Electrical Circuits II

2. EET Electives
Two to six courses from the following list of EET electives (see Plan of Study in the department office):
ECET 15400 Analog Electronics I
ECET 15900 Digital Applications
ECET 20900 Introduction to Microcontrollers
ECET 21000 Struct C++ Program for Elec Sys
ECET 21200 Electrical Power and Machinery
ECET 21700 Introduction to Process Control
ECET 26500 Computer Networks
ECET 29600 Electronic System Fabrication
ECET 30300 Communications I
ECET 38400 Advanced Mathematical Methods in EET
ECET 39200 Digital Signal Processing
ECET 39700 Project Engineering

3. Communication
ENGL 10400 English Composition I
ENGL 11400 Fundamentals of Speech Communication
ENGL 22000 Technical Report Writing

4. Science and Mathematics
MA 14800 Algebra and Trigonometry for Technology II
MA 14900 Calculus for Technology I

5. General Education
SOC 10000 Introduction to Sociology

6. Other Electives
Humanities Selective courses that have been approved by the Faculty Senate to meet the Critical Appreciation for the Arts and Works of Human Expression general education requirements (3 credits), Humanities and/or Social Science Selective (3 credits), one Open Elective (3 credits)**, and one non-technical selective (3 credits) from the following: OBIHR, and OLS.

* A Minor in Business is available.
** The Open Elective may be satisfied by Co-op credits, a course that satisfies a minor in Business, or non-Humanities/Social Science transfer credits.
Bachelor of Science, Industrial Engineering Technology (IET)

The following are the Program Educational Objectives for the Baccalaureate degree in Industrial Engineering Technology (IET):

Program Educational Objective 1:
The program will prepare graduates that are prepared for career fields in the areas associated with the development, implementation, and improvement of integrated systems that include people, materials, information, equipment, and energy by exposure to specialty topics emerging from quality and/or manufacturing practices.

Program Educational Objective 2:
The program will prepare graduates that advance in their careers and continue their professional development.

Program Educational Objective 3:
The program will prepare graduates that understand the overall human context in which engineering technology activities take place.

Increased sophistication in technology and management systems is fueling the need for graduates with capabilities in both technology and business. IET students are usually interested in people and the environments in which they work. They are very practical and logical and often prefer a hands-on method of learning over the theoretical method. Increased job openings will occur for graduates as automation and modernization continue to be applied in business and industry. This program prepares students for problem solving and decision making tasks required in management and technological positions.

Bachelor of Science Degree in Industrial Engineering Technology provides knowledge in:
- Ergonomics
- Quality
- Production Planning & Control
- Lean Work Design
- Job Evaluation
- Project Management & Economic Analysis
- Plant Layout & Material Handling
- Logistics
- Statistical Process Control
- Quality Management
- Lean & Six Sigma Methodologies
- Production Cost Analysis
- Radio Frequency Identification (RFID)
- Supply Chain Management
- Process Simulation

Career Opportunities:
- Industrial Engineer
- Manufacturing Engineer
- Process Engineer
- Quality Engineer
- Quality Manager
- Plant Manager
- Business Unit Manager
- Quality Technician
- Quality Auditor
- Research & Development Technician
- Plant Scheduler
- Six Sigma Black Belt
- Lean Leader
- Healthcare Management Engineer

Bachelor of Science, Industrial Engineering Technology
(126/127 CREDITS)

1. Communication
   - ENGL 10400 English Comp. I
   - ENGL 22000 Technical Report Writing
   - COM 11400 Fund. of Speech Comm.
   - ENGL 42000 Business Writing
   - OLS 47400 Conference Leadership

2. Science and Mathematics
   - Math:
     - MA 14700 Algebra and Trig. I
     - MA 14800 Algebra and Trig. II
     - MA 21900 Calculus for Technology I
     - STAT 30100 Elementary Statistics
   - Science:
     - CHM 11100 General Chemistry
     - OR
     - CHM 11500 General Chemistry
     - OR
     - B IOL 12500 Invitation to Human Biology
     - PHYS 22000 General Physics
     - PHYS 22100 General Physics II

3. Major Requirements
   - MET 10000 Production Drawing & CAD
   - MET 14100 Manufacturing Materials I
   - MET 16100 Introduction to Engineering Technology
   - MET 24200 Manufacturing Processes II
   - MET 32500 Thermodynamics
   - OR
   - MET 32900 Applied Heat Transfer
   - IET 10400 Industrial Organization Principles of Total Quality Management
   - IET 10600 Principles of Ergonomics
   - IET 20400 Techniques of Maintaining Quality
   - IET 22400 Production Planning and Control
   - IET 26400 Fundamentals of Lean Work Design
   - IET 27300 Principles of Quality and Process Improvement
   - IET 31000 Plant Layout and Material Handling
   - OR
   - IET 40200 Logistics and Global Supply Chain
   - IET 30800 Engineering Project Management and Economic Analysis
   - IET 35500 Statistical Process Control I
   - IET 49500 Senior Project Survey
   - IET 49700 Senior Project
   - ECET 21400 Electricity Fundamentals
   - OLS 25200 Human Relations in Organizations
   - OLS 33100 Occupational Safety and Health
   - OLS 35000 Applied Creativity for Business and Industry
   - POL 30500 Technology & Society

4. Selectives
   *Selective Requirements

   IET — Quality Specialization
   - IET 27200 Job Evaluation
   - IET 31100 International Quality Standards
   - IET 41100 Applications of Lean Six Sigma Methodologies
   - TECH Two Technology course (6 credits)
   - OLS Organizational Leadership and Supervision course (3 credits)
Bachelor of Science Degree in Mechatronics Engineering Technology

IET — Manufacturing Specialization
MET 11800 Applied Mechanics: Statics
MET 21100 Applied Strength of Materials
MET 28500 Computer Numerical Control Applications
MET 35500 Automation I
MET 46100 Computer Integrated Design and Manufacturing

5. General Education Electives (6 credits)
A. At least one general education elective must be from humanities or the social sciences: anthropology, economics, ethnic studies, geography, political science, psychology, sociology, women’s studies or appropriate interdisciplinary social science courses. This course must be one of the courses that the Faculty Senate has approved to meet the Critical Appreciation for the Arts and Works of Human Expression general education requirement. Electives not allowed are any instrument or vocal courses.

B. The other general education elective may be from humanities (listed in A above) or from social sciences: anthropology, economics, ethnic studies, geography, political science, psychology, sociology, women’s studies or appropriate interdisciplinary social science courses. This course must be one of the courses that the Faculty Senate has approved to meet the How People Function in Society general education requirement.

Industrial Engineering Technology
IET SPECIALIZATIONS

1. BS IET – Quality Specialization
IET 27200 Job Evaluation
IET 31100 International Quality Standards
IET 41100 Applications of Lean Six Sigma Methodologies
TECH 2 - Technology Courses
OLS 1 - Organizational Leadership & Supervision Course

2. BS IET – Manufacturing Specialization
MET 11800 Applied Mechanics Statics
MET 21100 Applied Strength of Materials
MET 28500 Computer Numerical Control Applications
MET 35500 Automation I
MET 46100 Computer Integrated Design and Manufacturing

Bachelor of Science, Mechatronics Engineering Technology (MTB)
The following are the Program Educational Objectives for the Baccalaureate degree in Mechatronics Engineering Technology (MTB):

Program Educational Objective 1:
The program will prepare graduates that are prepared for successful careers in the areas associated with the fabrication, testing, documentation, operation, sales, and maintenance of basic automated mechatronic (electro-mechanical) systems.

Program Educational Objective 2:
The program will prepare graduates that advance in their careers and continue their professional development.

Program Educational Objective 3:
The program will prepare graduates that understand the overall human context in which engineering technology activities take place. Adapting to the growing need for trained engineering technologists within the high speed packaging industry is the emphasis of the bachelor’s degree program in Mechatronics Engineering Technology. The program combines mechanical design, manufacturing and electrical control within a foundational context of packaging machinery. The degree is also very valuable in other industrial areas as well, such as the automotive industry.

Students in this program benefit from internships offered by local packaging industries and are very mobile with career opportunities available nationwide.

Bachelor of Science, Mechatronics Engineering Technology

Career Opportunities:
- Technical Services
- Machine Designer
- Packaging Engineer
- Automation Specialist
- Human/Machine Interface (HMI)
- Programmer
- Controls Specialist
- Motion Control Programmer
Bachelor of Science, Mechanical Engineering Technology

The following are the Program Educational Objectives for the Baccalaureate degree in Mechanical Engineering Technology (MET):

Program Educational Objective 1:
The program will prepare graduates that are prepared for successful careers in the areas associated with the fabrication, testing, documentation, operation, sales, maintenance, analysis, applied design, development, implementation, and oversight of mechanical systems.

Program Educational Objective 2:
The program will prepare graduates who advance in their careers and continue their professional development.

Program Educational Objective 3:
The program will prepare graduates who understand the overall human context in which engineering technology activities take place.

Growing demand for modern and complex industrial machinery, machine tools, robotics, and computer controlled processes require highly qualified technologists for their development, manufacture, use, and support. MET students usually are interested in mechanical activities, and often enjoy working on vehicles and machines.

Bachelor of Science Degree in Mechanical Engineering Technology provides knowledge in:

- Materials
- Applied Mechanics: Statics
- Computations & Analysis
- Production Drawing & Computer Aided Design
- Computer Numerical Control Applications
- Applied Fluid Mechanics
- Applied Mechanism Kinematics
- Applied Thermodynamics
- Applied Heat Transfer
- Automation & Instrumentation
- Machine Design
- Applied Strength of Design Materials

Bachelor of Science, Mechanical Engineering Technology (124 CREDITS)

1. Communication
ENGL 10400 English Comp. I
ENGL 22000 Technical Report Writing
COM 11400 Fund. of Speech Comm.
ENGL 42000 Business Writing

2. Science and Mathematics
Science:
CHM 11100 General Chemistry
OR
CHM 11500 General Chemistry
PHYS 22000 General Physics
PHYS 22100 General Physics II
Math:
MA 14700 Algebra and Trig. I
MA 14800 Algebra and Trig. II
MA 21900 Calculus for Technology I
STAT 30100 Elementary Statistical Methods
MA 22200 Calculus for Technology II

3. Major Requirements
ECET 21400 Electricity Fundamentals
MET 10000 Production Drawing & CAD
MET 10200 Production Design and Specifications
MET 11800 Applied Mechanics: Statics
MET 14100 Manufacturing Materials I
MET 16100 Introduction to Engineering Technology
MET 16200 Computational Analysis Tools in MET
MET 21100 Applied Strength of Materials
MET 21300 Applied Mechanics: Dynamics
MET 21400 Machine Elements
MET 23000 Fluid Power
MET 24200 Manufacturing Processes II
MET 31300 Applied Fluid Dynamics
MET 32500 Applied Thermodynamics
MET 32900 Applied Heat Transfer
MET 46100 Computer Integrated Design and Manufacturing
MET 49500* Senior Project Survey
MET 49700 Senior Project
IET 22400 Planning, Control and Service Environments
IET 30800 Engineering Project Management and Economic Analysis

Career Opportunities:
- Vibration Analyst
- Assistant Project Engineer
- Product Engineer
- Quality Assurance Manager
- Computer Aided Design (CAD) Operator
- Product Design Engineer
- Manufacturing Engineer
- Technical Services
**4. Selectives (12 credits)**

**MET — Quality Specialization**
- IET 26400  Fundamentals of Lean Work Design
- IET 27300  Principles of Quality and Process Improvement
- IET 35500  Statistical Process Control I
- IET 41100  Principles of Lean Thinking

**MET — Manufacturing Specialization**
- MET 28500  Computer Numerical Control Applications
- MET 35500  Automation I
- Two IET Courses with the approval of advisor

**5. Elective (3 credits)**

Elective with advisor approval

**6. General Education Elective (6 credits)**

A. At least one general education elective must be from humanities: art & design, communication, English, foreign language, music, philosophy, OLS 16300 or OLS 35000 or appropriate interdisciplinary humanities courses. Electives not allowed are any instrument or vocal courses. This course must be approved by the Faculty Senate to meet the Critical Appreciation for the Arts and Works of Human Expression general education requirement.

B. The other general education elective may be from humanities (listed in A above) or from social sciences: anthropology, economics, ethnic studies, geography, political science, psychology, sociology, women's studies or appropriate interdisciplinary social science courses. This course must be approved by the Faculty Senate to meet the How People Function in Society general education requirement.

C. Any social science or humanities elective.

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**Mechanical Engineering Technology**

**MET SPECIALIZATIONS**

**1. BS MET—Quality Specialization**
- IET 26400  Methods of Lean Work Design
- IET 27300  Principles of Quality and Process Improvement
- IET 35500  Statistical Process Control I
- IET 41100  Principles of Lean Thinking

**2. BS MET—Manufacturing Specialization**
- MET 28500  Computer Numerical Control Applications
- MET 35500  Automation I
- Two IET Courses with the approval of advisor
Master of Science in Technology

The Master of Science in Technology degree offered by Purdue University Calumet prepares students to become leaders in technology disciplines. The program allows students to pursue an advanced degree in a focus technology discipline, with the flexibility to pursue interdisciplinary interests and develop leadership skills based on ethics and an understanding of global issues affecting technology. Graduates of the Purdue University Calumet Master of Science in Technology degree will not only understand leading-edge concepts, but also be able to strategically apply them.

Designed to allow students to achieve their career objectives, the program is a flexible, directed-project based 33 hour plan of study in which students can choose their primary focus in any one of the School of Technology programs in which we offer a Bachelor of Science degree, or an approved interdisciplinary area.

Purdue University Calumet School of Technology disciplines:

- Computer Graphics Technology
- Computer Information Technology
- Construction Management & Engineering Technologies
- Electrical Engineering Technology
- Industrial Engineering Technology
- Mechanical Engineering Technology
- Mechatronics Engineering Technology
- Organizational Leadership & Supervision

Purdue University Calumet's approach of merging technology with other areas of study and allowing students to customize their course of study means that students in the program can study interdisciplinary and specialized aspects of their fields. This broad-based, flexible degree produces graduates who can enter the marketplace with a distinct and sought-after advantage.

Plan of Study

The program consists of 33 hours with three core courses (9 credit hours),
IT 50700 Measurement and Evaluation in Industry & Technology,
IT 50800 Quality and Productivity in Industry & Technology, and
TECH 64600 Analysis and Research in Industry and Technology;
4 primary area courses (12 credit hours) in the area of concentration,
3 courses in technical electives (9 credit hours), and
a directed project course (total of 3 credit hours). The directed project focuses on an applied research issue in the student's area of interest.

Interested students should contact Prof. Mohammad Zahraee, Assistant Dean for Graduate Studies in the School of Technology, at 219-989-2966, zahraee@purduecal.edu, for further information about the program and the plan of study, or Jody Kidd, Graduate Program secretary, at 219-989-2966, j kidd@purduecal.edu, FAX 219-989-8110.

Admission Requirements

Admission will be based on the following criteria and documentation:

- B.S. from an accredited technology program or related fields.
- Undergraduate GPA of 3.0 or greater based on a 4.0 scale.
- Appropriate experience as documented in a resume.
- A goal statement or statement of purpose commensurate with the program and faculty strengths. (A template is available through Jody Kidd).

Students who do not meet the requirements for unconditional admission may be considered for conditional admission.

Application Requirements

Applicants must submit all of the following:

- Online Application – Purdue University Graduate School Electronic Application found at: http://www.gradschool.purdue.edu/indexFlash.cfm;
- Official transcripts of all work listed on the application (must include undergraduate degree);
- Statement of purpose and resume; and
- Three letters of recommendation from academic or professional references (Recommendations from friends or family members are not given weight).

A form can be found at: http://www.gradschool.purdue.edu/admissions/#RL

GRE is not required for the MS Technology degree, but may be considered for those applicants who do not meet the minimum GPA for unconditional admission.

International Students:

There are additional requirements for international students. International students are encouraged to work through International Student Services, www.purduecal.edu/international

For admission requirements and further information, please go to: http://webs.purduecal.edu/techgrad/
The Center for
STUDENT ACHIEVEMENT
Center for Student Achievement

The Center for Student Achievement (CSA) consists of several important university initiatives that are known for their role in student success. Academic Advising, Academic Recovery Program, and Skills Assessment and Development are just a few of the areas that play an important role in student success.

Academic Advising

One of the first and most important functions that CSA performs is academic advising. Academic advising is a proven activity that helps students become successful from matriculation through graduation. CSA advisors assist undeclared students in course selection as they guide these students in pursuit of a major. CSA advisors work with students who are not directly admitted into their chosen major as well as assist all temporarily admitted students. The advisors also provide an academic presence at various University functions and often pre-advising potential university students.

Academic Recovery Program

The Academic Recovery Program is designed to encourage both persistence and retention by providing intervention services for students who are at risk of academic dismissal and is only required for students on probation due to their cumulative GPA. Purdue Calumet developed this program based on research and successful programs at other universities. Interventions include enrolling in a special study skills course that addresses issues (personal effectiveness, understanding learning styles and objectives, note taking, test preparation, etc) to encourage student success, working with an academic advisor to select appropriate courses for the upcoming semester, and develop strategies that help students meet goals and make progress toward their degree objective.

Learning Communities

Within the Center for Student Achievement, new students participate in learning communities through a predetermined block schedule of first-semester courses, a common reading program, and activities specifically aimed at first-year students. Taking part in a learning community will provide students the opportunity to develop personal connections with faculty and other students, take courses that research has shown are vital to student success, and broaden their learning experience. A block schedule is designed to give first-semester students the foundation they need to be successful at Purdue Calumet. Courses include Math, English, Speech and a First Year Experience course. Within this framework, students may be enrolled in up to four courses with the same group of students. The cohesive, in-class and out-of-class activities planned around a central theme through the common reading program will offer students a richer academic experience. In addition, students benefit from the opportunity to integrate coursework in an interdisciplinary manner. Learning communities provide students increased faculty-to-student interactions while promoting faculty-to-faculty collaboration.

Academic Resource Center (ARC)

Academic Resource Center (ARC) provides tutoring and testing to all university students. Free tutoring services are available for most academic subjects. There is also a low cost tutoring program available for the surrounding community. A specialized group tutoring program, Supplemental Instruction (SI), is offered for specific courses. The SI tutors are current Purdue students who have proven themselves academically and qualify for the SI program. ARC also provides admissions testing for potential university undergraduate and graduate students through the administration of the SAT, ACT, ISAT, PRAXIS I and II, the NLN (Nursing Challenge Exam), and GRE subject area tests. The college Level Examination Program (CLEP) and Foreign Language Proficiency test are also available.

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Purdue University Calumet's Course Descriptions are now available on-line at www.purduecal.edu. (See directions below) This on-line search will allow users to select a term and search using a subject code. Searches can be customized further by selecting a level (Graduate/Undergraduate), School and Course Attribute.

Course numbered 10000-49999 are primarily for undergraduate students. Courses numbered 50000-59999 are for undergraduate (usually juniors and seniors) and graduate students. Course numbered 60000-69999 and above are for graduate students only.

https://banweb.purduecal.edu/pls/proddad/bwcktlg.p_disp_dyn_ctlg

- Go to www.purduecal.edu and hover over “Students” in the top menu bar
- Click on “Course Descriptions”
- Select a Catalog Term, click Submit
- Select Subject Code from the drop down list, click on “Get Courses”
- Enhance the search by selecting additional criteria such as School and Attribute
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Curtis E. Brown

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(1990) Director, Procurement and General Services.

Jordon Bruner
(2009) Assistant Director Sport Info Marketing Event Management

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(2004) Associate Professor of Education.

Lizbeth A. Bryant

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<table>
<thead>
<tr>
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<th>Title/Position</th>
<th>Institution/University</th>
<th>Years</th>
</tr>
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<tbody>
<tr>
<td>Dachea Hill-Bryan</td>
<td>Experiential Learning Coordinator.</td>
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*Faculty and Administrative Staff listing was provided by Purdue Calumet’s Human Resources as of July 14, 2011. Any additions or changes after that date are not reflected in this list.
Directions to Purdue University Calumet

Location and Mailing Address
Purdue University Calumet
2200 169th Street
Hammond, IN 46323-2094

From Northeast/Northwest/West
- (From Northeast/Northwest) Take I-94 or Tollway 294 South to I-80/94
- (From Northeast) Take I-80/94 West to Indianapolis Boulevard
- (From Northwest/West) Take I-80/94 East to Indianapolis Boulevard
- Take Indianapolis Boulevard North one-third mile to 173rd Street
- Turn East/Right onto 173rd Street and proceed 3+ blocks to campus

From Northeast (I-90)
- Take I-90 (Chicago Skyway) South to Indianapolis Boulevard
- Continue South on Indianapolis Boulevard some 8 miles to 169th Street
- Turn East/Left onto 169th Street and proceed 3+ blocks to campus

From North
- Take I-90 (Chicago Skyway) South to Indianapolis Boulevard
- Continue South on Indianapolis Boulevard some 8 miles to 169th Street
- Turn East/Left onto 169th Street and proceed 3+ blocks to campus

From East
- Take I-80/94 West to Indianapolis Boulevard
- Take Indianapolis Boulevard North one-third mile to 173rd Street
- Turn East/Right onto 173rd Street and proceed 3+ blocks to campus

From Southwest/South/Southeast
- (From Southwest) take US Route 30 east to Highway 41/Indianapolis Boulevard
- (From Southeast) take I-65 North to I-80/94 and follow directions From East, or take US Route 30 west to Highway 41/Indianapolis Boulevard
- (From South, Southwest & Southeast) Take Highway 41/Indianapolis Boulevard North 7 miles to 173rd Street
- Turn East/Right onto 173rd Street and proceed 3+ blocks to campus

Directions to Academic Learning Center

Location
Academic Learning Center
9900 Connecticut Drive
Merrillville, Indiana 46307

Mailing Address
Academic Learning Center
9900 Connecticut Drive
Crown Point, Indiana 46307

From North
- Take I-65 South to Route 30 West
- Take US Route 30 West to Broadway Avenue (IND Route 53) — Turn Left
- Travel South on Broadway Avenue 2.5 miles
- Turn Left on 98th Avenue
- Turn Right on Connecticut Drive

From the Northwest
- Take Indianapolis Boulevard South to Route 30 East—Turn Left
- Take US Route 30 East to Broadway Avenue (IND Route 53) — Turn Right
- Travel South on Broadway Ave. 2.5 miles
- Turn Left on 98th Avenue
- Turn Right on Connecticut Drive

From South
- Travel I-65 North
- Exit #247 (US 231 North)
- Bear Right on Broadway Avenue (IND Route 53) approximately 3.5 miles
- Turn Right on 98th Avenue
- Turn Right on Connecticut Drive

From East
- Travel West on US Route 30 to Broadway Avenue (IND Route 53) — Turn Left
- Travel South on Broadway Avenue 2.5 miles
- Turn Left on 98th Avenue
- Turn Right on Connecticut Drive
Calendar 2011-2012

Fall 2011
Mon. Aug. 22  Fall classes begin
Mon. Sept. 5  Labor Day (no classes)
Mon. Oct. 17 & Tues. Oct. 18  October Break (no classes)
Wed. Nov. 23  Fall Recess (no classes)
Mon. Nov. 28  Classes resume
Sat. Dec. 10  Classes end
Mon. Dec. 12  Final exams begin
Sat. Dec. 17  Final exams end

Spring 2012
Mon. Jan. 16  Martin Luther King Day (no classes)
Tues. Jan. 17  Spring classes begin
Mon. Mar. 12  Spring recess begins
Mon. Mar. 19  Classes resume
Sat. May 5  Classes end
Mon. May 7  Final exams begin
Sat. May 12  Final exams end
Sun. Commencement  (date to be announced)

Summer 2012
Mon. May 14  Summer session I begins
Mon. May 28  Memorial Day (no classes)
Mon. June 11  Summer session II begins
Wed. July 4  Independence Day (no classes)
Mon. July 9  Summer session III begins
Fri. Aug. 3  Summer sessions end