Announcements for the Years 2008-2009

For further information contact:
Office of Enrollment Services
Purdue University North Central
1401 S. US 421
Westville, IN 46391-9542
(219)785-5200 872-0527 462-4197
(800)872-1231 (Inside Indiana)
Extension 5505
FAX: (219)785-5538

Electronic version available at Purdue University North Central's Web site: www.pnc.edu
The information contained in this bulletin is subject to change as a result of action by federal and/or state governments, the Trustees of Purdue University, the faculty and the administration of Purdue University. The content of any individual curriculum is the ultimate responsibility of the respective faculty of each individual department. Questions concerning the contents of this catalog should be directed to the appropriate department or University official.

Nothing in this catalog should be considered a contract. This is for informational purposes only.

A copy of PURDUE UNIVERSITY REGULATIONS is available for review in the Registrar’s Office, Counseling Center and at the Switchboard. These regulations cover the following areas: History and Organization of the University, Academic Regulations and Procedures, Classification of Students for Tuition Purposes, Statements on Nondiscrimination, Student Conduct, Regulations and Procedures for Recognized Student Organizations and Regulations Governing the Use and Assignment of University Facilities.

**Non-Discrimination 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 new 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 disabled or Vietnam era 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 Vietnam era veterans through its affirmative action program.

Through this program, the University carries out the requirements of Title VI and VII of the Civil Rights Act of 1964, as amended by the Equal Employment Act of 1972, Federal Executive Orders 11246 and 11375, the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, the Vietnam Era Veterans Readjustment Act of 1967, the Age Discrimination Employment Act of 1967, the Indiana Civil Rights Act of 1971, as amended, the Civil Rights Act of 1991, Title IX of the Education Amendments of 1972, and all other applicable state and federal laws, guidelines, and regulations.

Questions in regard to the foregoing may be directed to Patricia A. Carlisle, Equal Opportunity Affirmative Action Officer, Schwarz 133B.
Purdue University Officers of Administration

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W.R. Woodson, Ph.D., Provost
Morgan R. Olsen, Ph.D., Executive Vice President and Treasurer
Richard O. Backius, Ph.D., Vice President for Research
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Lawrence M. Barrett, M.S., Vice Chancellor for Enrollment Management and Student Services
Patricia A. Carlisle, M.A., Special Assistant to the Chancellor and Equal Opportunity/Affirmative Action Officer
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Kenneth C. Holford, Ph.D., Chair, Biological Sciences/Chemistry Department
Mark Smith, M.B.A., Chair, Computer and Information Technology
V. Scott Smithson, Ph.D., Chair, Communication Department
S. Rex Morrow, Ed.D, Interim Chair, Social Sciences Department
GENERAL INFORMATION

LOCATION

Purdue University is the Indiana link in a nationwide chain of land grant colleges and universities. In addition to the main campus in West Lafayette, Purdue University has established regional campuses for the purpose of extending educational opportunities to major population areas of Indiana. Purdue University North Central, at the junction of the Indiana Toll Road and U.S. 421 near Westville, serves communities in the north central part of the state.

PURDUE UNIVERSITY NORTH CENTRAL HISTORY

Following World War II, Purdue University offered courses in facilities loaned to the University by the Michigan City and LaPorte schools. In 1948 the Barker Welfare Foundation made the John Barker mansion in Michigan City available to the University and classes were held there beginning in the spring of 1949. Through the 1950s, enrollment at the Barker Memorial Center continued to grow, as did the population of the north central region of the state. In May 1962, Purdue University, through the Ross-Ade Foundation, purchased 160 acres south of Michigan City near Westville at a location that could best serve the residents of LaPorte and Porter counties. The new permanent campus opened in the fall of 1967. Since then, the campus has undergone many changes, indicative of the rapid growth and educational demands of the area. Additional land purchases increased the total acreage to 268.

The campus features three main buildings. Schwarz Hall, built in 1967, contains most administrative offices, as well as the office of Enrollment Services and the Biology/Chemistry, Mathematics, Statistics, and Physics and Social Sciences academic departments. The Library-Student-Faculty Building, completed in 1975, houses the library, cafeteria and bookstore, the Dean of Students office, Office of Continuing Education and various student services offices. The Technology Building, completed in 1995, houses Information Services, Learning Center, Engineering Technology, Education, Business, Nursing, Communication, English and Modern Languages academic departments, as well as other administrative services.

The Indiana Commission for Higher Education designated Purdue University North Central as a general purpose institution in October 1986, and is accredited as a baccalaureate granting institution by the Higher Learning Commission. Purdue University North Central is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools, 30 N. LaSalle St., Suite 2400, Chicago, Ill. 60602-2504; 800-621-7440, www.ncacihe.org. Accreditation attests to the quality of the faculty and staff, excellence of courses and curricula, and adequacy of facilities. Individual academic programs also are accredited by the following:

• Association of Collegiate Business Schools and Programs, 7007 College Blvd., Suite 420, Overland Park, Kan, 66211; 913-339-9356; www.acbsp.org.
MISSION
The mission of Purdue University North Central, a regional campus of Purdue University, is based on the tradition of a land grant university (Learning, Discovery, and Engagement).

• Through Learning, the primary mission of this university, the campus offers all students educational programs and services that foster student success and goal attainment in a student-centered environment.

• Through Discovery, the campus encourages the creation of new knowledge, products, processes and applications through research and scholarship. The cooperative efforts of students, faculty and staff are essential for success.

• Through Engagement, the campus partners with and assists alumni, community members, businesses and organizations. These activities involve all members of the campus, including students, through transfer of knowledge, consulting, service learning, volunteerism, economic development and related activities.

Purdue University North Central gives continual and careful consideration to the unique characteristics and needs of our many constituencies, especially our students, in this region, the State of Indiana, and beyond.

VISION
Purdue University North Central will become the regional center of excellence for education, information, economic development and culture.

VALUES
The activities of Purdue University North Central are based on the following values to best serve its many constituencies through Learning, Discovery and Engagement. PNC values:

• People who choose to attend or be employed by this institution with all their differences and abilities.

• Professional, cultural and general education needs of this diverse industrial, technological and agricultural region.

• Education of high quality and integrity in an atmosphere that promotes lifelong learning through specific curricula that lead primarily to baccalaureate and master’s degrees sought by our constituents.

• Timely assessment of all programs and activities using the results of those assessments to improve the programs and activities offered by this institution.

• Diversity that will provide a broad representation of experiences, perspectives, opinions and cultures. Inclusion is an essential source of vitality and strength for the effective pursuit of PNC’s mission.

• Research and inquiry in all aspects of the university life, by students, faculty, staff and partnerships with constitu- tients.

• New knowledge, products, processes and applications gained through university inquiry.

• Clear and frequent communication of our activities, plans and visions for the future with all constituents, both internal and external.

• Growth and academic success opportunities for our constituents by establishing multiple partnerships that will utilize the abundant resources of our geographical area.

• International awareness as students and local citizens look to this campus for leadership and education in this area so vital to the future.

• Good stewardship of all campus resources entrusted to this institution, particularly our human resources, while being fully aware of the responsibilities we carry for the environment in which we live and the energy we require to fulfill our mission.
UNDERGRADUATE GENERAL EDUCATION POLICY

General education is the component of the undergraduate curriculum devoted to those areas of knowledge, methods of inquiry, and ideas that the Purdue University North Central academic community believes are fundamental and common to all well-educated individuals. General education provides knowledge and understanding of the world, which serves as the basis for continued learning.

As a result of the general education curricular component at Purdue University North Central, a student shall have acquired appropriate skill, knowledge and competencies to:

- Communicate clearly and cogently in written, oral, interpersonal, and collaborative forms;
- Demonstrate problem-solving and critical thinking abilities through the application of quantitative and analytical reasoning;
- Choose appropriate modes of inquiry to solve diverse problems;
- Discern the patterns and processes of the natural world;
- Critique the value of technologies and their applications;
- Evaluate the interaction of the universal and the particular in historical, political, and cultural experiences;
- Apply ethical values in making aesthetic and instrumental judgments.

EDUCATIONAL OPPORTUNITIES

Purdue University North Central offers academic work at a number of different levels:

- Master’s degree curricula in:
  - Elementary Education
  - Master of Business Administration (MBA)

Also selected graduate courses in a limited number of subject-matter fields.

- Bachelor’s degree curricula in:
  - Behavioral Sciences
  - Biology
  - Business
  - Communication
  - Computer & Information Technology
  - Construction Engineering & Management Technology
  - Early Childhood Education
  - Elementary Education
  - Engineering Technology
  - English
  - Liberal Studies
  - Mechanical Engineering
  - Mechanical Technology
  - Nursing (2+2; traditional)
  - Organizational Leadership and Supervision

- Associate degree curricula in:
  - Architectural Technology
  - Building Construction Management Technology
  - Business
Civil Engineering Technology
Computer & Information Technology
Construction Engineering & Management Technology
Electrical Engineering Technology
Industrial Engineering Technology
Mechanical Engineering Technology
Nursing
Organizational Leadership and Supervision
Science

- Certificate curricula in:
  Business/Professional Communication
  Computer & Information Technology
  Human Resources
  Mechanical Engineering Technology
  Office Productivity
  Organizational Leadership & Supervision
  Process Improvement
  Quality Control
  Statistics
  Supervision (online)

- Courses are offered at various locations within LaPorte and Porter counties. Most sites offer a selection of basic liberal arts courses as well as introductory computer, business and supervision courses.
- The Portage site also offers courses allowing a student to complete an associate degree or certificate in business or organizational leadership and supervision.

ACADEMIC ORGANIZATION

The mission of Purdue University North Central is to bring the internationally recognized quality of a Purdue education to the citizens of Northern Indiana. Founded on excellence in Learning, Discovery and Engagement, the University provides a learning environment designed to promote individual student growth through opportunities to acquire the knowledge and skills necessary for graduates to assume a variety of leadership roles and occupations in society. Students participate in Discovery activities through a vigorous program of research opportunities where they work with faculty, other students and community groups to develop the skills necessary to advance their careers. Through Engagement, students have opportunities to work in their chosen professions through internships, service learning, class projects and other activities undertaken jointly with business, professional and community organizations.

To accomplish its mission of providing quality education in all of its varied facets, Purdue University North Central is organized into four Colleges as follows.

College of Business

The world of business changes almost daily in this age of rapid progress in technology, communication, innovation and invention. Increasing diversity in the workplace and globalization of the economy add new dimensions requiring up-to-date skills and knowledge to meet the challenges of tomorrow. Our goal in the College of Business is to provide students with a quality state-of-the-art education that will prepare them to assume leadership roles in our increasingly competitive and dynamic economy, while remaining flexible enough to meet their specific needs or interests.

The College of Business offers a unique MBA program designed to accommodate the needs of working adults, a Bachelor of Science degree in Business (with specialization in Accounting, Economics, Management or Marketing), a Bachelor of Science degree in Organizational Leadership and Supervision (including a specialization in Human Resource Management), Associate degrees in Business, Organizational Leadership, and Human Resources, and sev-
eral certificates. Minors are also available for those students pursuing degrees outside of the College of Business in areas such as business, accounting, human resources, economics and leadership. In addition, course offerings are available in a variety of formats, even in some cases, online.

**College of Engineering & Technology**

Welcome to the College of Engineering and Technology at Purdue University North Central (PNC). We are engaged in the noble activities of expanding the edges of knowledge and educating the future engineers, technologists, and leaders of Indiana and the nation.

PNC has offered engineering and technology courses for over 40 years. These courses have been recognized for their quality and accepted for credits at Indiana schools including Purdue University West Lafayette. We have offered the bachelor of science degree in engineering technology for many years. We currently offer a Bachelor of Science in Computer & Information Technology, Construction Engineering and Management Technology, Engineering Technology, Mechanical Technology, and Mechanical Engineering for those students that choose to study in the northern Indiana area.

In a world of increasing social, environmental and technological complexity, engineers are in ever increasing demand. Our students gain an appreciation for and familiarity with the processes for analyzing complex issues preparing them to become highly productive citizens and leaders. We focus on the fundamentals of engineering and technology necessary to meet the problem solving requirements for today's society.

Our program is very student oriented. PNC offers rigorous educational programs that are in demand in our region and across the nation. Our faculty take a pro-active approach to the learning experience. Our course sections are small and our faculty take time to learn your specific academic needs and work with you to become a graduate with a Purdue University degree.

Please visit our individual programs to learn more about the plan of study they offer and discover the opportunities awaiting you in your program of interest. Please contact us if you have questions. Alternatively, just schedule a visit. We look forward to meeting you.

**College of Liberal Arts**

A liberal arts education is designed to promote an advanced education which will develop both skills and advanced knowledge in the many and diverse disciplines represented in the liberal arts. The liberal arts curriculum also enhances analytical thinking and decision-making skills which will serve students in their personal and professional lives. As career professionals these skills will be highly useful in every aspect of life and are often prized by many employers.

Liberal arts constitute the foundation of a university degree education. Consequently, the College of Liberal Arts is the largest of the colleges at PNC. The liberal arts faculty provide advanced level expertise from many diverse subject fields, and possess doctoral degrees from prestigious universities in the United States and the world. Our faculty and students are actively engaged in the study of global issues and increase our participation in the globally interdependent world in which we live.

The PNC College of Liberal Arts includes four departments: Education, Communication, English and Modern Languages, and Social Science. Six baccalaureate degrees are offered: Bachelor of Arts in Communication, Bachelor of Science in Early Childhood Education, Bachelor of Arts in Elementary Education, Bachelor of Arts in English, Bachelor of Arts in Behavioral Sciences, and Bachelor of Arts in Liberal Studies. The College offers several minors in areas of study to complement a student's chosen major. The College also offers a Master of Science degree in elementary education affiliated with the West Lafayette campus. The teacher education programs hold optional accreditation through the National Council for the Accreditation of Teacher Education, Washington, D.C., and through the state by the Indiana Department of Education.

**College of Science**

The College of Science at Purdue University North Central (PNC) consists of three instructional departments: the Department of Biology and Chemistry; the Department of Mathematics, Statistics, and Physics; and the Department of Nursing. We are committed to a quality and broad education in the sciences at the undergraduate level by encouraging and supporting teaching excellence, and by fostering research and community outreach activities.

Science plays an important role in our daily lives and is more exciting today than ever before due to the swiftness with which new insights are obtained and applied to human challenges and opportunities, such as population growth, disease, pollution, energy shortages, and new technology. The College of Science provides you the opportunity to pursue a career in science by interacting with first-rate scientists who also are gifted teachers.
The College of Science also provides an education for students whose goal is not a scientific career but who wish to gain a general education with emphasis on scientific aspects of society. Emphasis is placed on teaching fundamental principles so that the students can develop a motivation for continuing to learn long after graduation.

The Department of Biology Science and Chemistry offer courses leading toward the Bachelor of Science degree in Biology, and the Associate of Science degree in either Biology or Chemistry. As part of the baccalaureate degree, concentrations can be earned in Ecology, Microbiology, Pre-dentistry, Pre-medicine, and Pre-veterinary Medicine. In addition, the Department offers Minors in Ecology and Chemistry. Majors have the opportunity to participate in a wide range of educational and research activities, both on campus and at the PNC Biological Field Station in the Indiana Dunes.

The Mathematics, Statistics, and Physics Department offers courses in Astronomy, Earth and Atmospheric Science, Mathematics, Physics, and Statistics to fulfill degree requirements. The Mathematics, Statistics, and Physics Department currently offers a Minor and a Certificate in Statistics, and an Associate of Science degree with a concentration in Mathematics, Statistics or Physics. In addition, the department offers courses designed to enable a student to transfer to another Purdue University campus, or other college or university, to complete a baccalaureate degree in Mathematics, Statistics or Physics.

The Department of Nursing provides students with the opportunity to obtain an Associate or Bachelor of Science degree in nursing. Upon satisfactory completion of the requirements of either degree programs and the requirements of the Indiana State Board of Nursing the graduate applies to take the NCLEXRN exam. Success on the NCLEXRN exam is necessary before the Registered Nurse (RN) title is granted by the Indiana State Board of Nursing. In addition, there is an RN/BS completion program that provides RN's who have an Associate or Diploma degree from an accredited school the opportunity to complete the course work necessary for a Bachelor of Science degree.

These departments offer undergraduate programs that will prepare you for a variety of careers and advanced graduate and professional study after graduation.

We are proud of our students, our alumni, our staff, and our faculty.

PURDUE NORTH CENTRAL — PORTER COUNTY
Purdue North Central — Porter county located at 600 Vale Park Road in Valparaiso, Indiana features 17,500 square feet of space for both graduate and undergraduate coursework. Our location features 11 classrooms, a computer lab, student break out rooms and conference rooms. Video or Teleconferences can also be scheduled in our 48 seat tiered classroom.

The Porter County campus offers day and evening courses, predominantly freshman and sophomore level, for those wishing to start or continue their bachelor's degree. Porter County is also the home to our Master's of Business Administration degree offered on Saturdays.

Ease of scheduling and convenience make this location ideal for those living in Porter County and the surrounding area. Enrollment services are available on site.

CONTINUING EDUCATION
As part of its educational mission, Purdue University North Central offers continuing education courses in these general areas:

1. Training for Business, Industry, Government and the Private Sector
   Workshops, conferences and short courses for professional development are offered, as well as contract training programs customized to meet organizational needs.

2. Center for Occupational Safety and Health
   The Center brings the most needed OSHA training courses close to home. Our trainers are well established in the field of safety education and make your OSH experience a step above the rest. Customized solutions that are designed to enhance organizational performance are available.

3. Center for Early Learning
   The Center is a tangible response to the needs of the community. It offers inservice training and professional development for all stakeholders in northwest Indiana. The Center complements the early learning baccalaureate degree and will serve as an organizing force that brings together stimulating opportunities with eager lifelong learners.
4. Real Estate Licensing
Licensed by the State of Indiana, the office offers nine-week preparatory courses for both salespersons and brokers.

5. Education 24/7
A decidedly favorable mode of learning offering instructor facilitated online courses that are informative, fun, convenient, and highly interactive. A wide variety of course offerings range from certification programs like paralegal or graphic design certificates, preparation courses for major computer industry certification exams, including the A+, Net+, and MCSE, to developing business skills and professional development expertise, digital photography, and creative writing courses. Take classes anywhere, anytime.

6. Personal Development
A broad schedule of courses is offered throughout the year, including, but not limited to, courses that enhance computer skills, teach a new language, or develop artistic talents.

7. Youth Programming
Children can go to college too. A variety of exciting programs that challenge even the most inquisitive child makes these courses a delightful experience for children of all learning abilities.

PURDUE NORTH CENTRAL ALUMNI ASSOCIATION
We connect the Purdue Family Forever. Loyalty begins and lives here.

Purdue graduates come from campuses in West Lafayette, Indianapolis, Fort Wayne, Calumet and—of course—Purdue North Central! PNC graduates are part of the over 404,305 living Purdue alumni worldwide. Membership in the Alumni Association is open to Purdue graduates, current or former Purdue students, and any community members who wish to support the university.

Purdue alumni continue to bring honor to our great university with their many accomplishments and professional work. We are here to provide programs and services to keep you engaged with the university and with each other. Purdue Alumni serves as a worldwide network that supports, enriches, cultivates, and celebrates the Purdue Experience and helps make that experience last a lifetime!

The Purdue North Central Alumni Association (PNCAA) is affiliated with and operates under the constitution and by-laws of Purdue Alumni. Our graduates are automatically enrolled. These first-year gift memberships are paid for by each campus location.

We are dedicated to reconnecting our alumni, partnering with the community and forming lasting relationships with students prior to graduation. That is why Purdue Alumni Student Experience (PASE), a student alumni membership club, is now available at PNC and Purdue West Lafayette.

By keeping us up to date, we are easily able to keep you connected with the latest news and events. Please take a moment to update your information. It is simple...just call the PNC Alumni Association at (219) 785-5307 or visit our website at http://www.pnc.edu/alumni/ to update your information on-line and view our many services, events and benefits.

Membership has its privileges! Our paid members receive invitations to members-only events, as well as special discounts on products and services both locally and throughout the United States. Your membership fee helps support many PNC Alumni Association activities, including: PNCAA Endowed Scholarship Program for PNC students, Welcome Back Luncheons, PNC Commencement Receptions, Golf Outing, CSI at PNC, RailCats Baseball Night, booths to promote PNC throughout the year, and much, much more!

Just to name a few local benefits our members receive: Discounts at Coffee Creed Collectibles, Briar Leaf Golf Club, Glad Rags, Hirsh Ford Lincoln-Mercury, LaPorte Regional Health System’s Wellness Resource Center, Lighthouse Place Premium Outlets, PNC Continuing Education, Sherwin-Williams, Simmer Coffee House, Team Auto Outlet, Team Honda, Team Hyundai, and many more are offering substantial discounts to our members.

Members also receive PNC’s Dialogue magazine twice a year, Purdue’s Alumnus magazine six times a year, and numerous other opportunities to stay connected. These benefits will continue to grow in the months and years to come.

It’s never too late to show your Purdue Pride and loyalty by joining the PNC Alumni Association! Please contact Karen Cobbs, PNC’s Director of Alumni Relations, at (219) 785-5307 to learn more about membership and the exciting benefits we are offering members.
Admission

**GENERAL REQUIREMENTS**

All persons wanting to take advantage of the opportunity for higher education at the North Central campus of Purdue University must file an application for admission. Address requests for information and application forms to:

Office of Admissions  
Purdue University North Central  
1401 S. US 421, Westville, Indiana 46391-9542

Information and application forms also are available on the campus Web site: www.pnc.edu.

Applicants to the University must have a high school diploma or be a G.E.D. recipient (see G.E.D. section on page 13). Prospective students should complete the application according to instructions. Students should make arrangements to have official copies of their high school transcripts sent to PNC.

High school students should apply during the seventh semester of high school, or as soon as possible thereafter. High school graduates should apply the semester before they plan to enroll. Admissions reviews applications on a rolling admissions basis and selects applicants based upon academic qualifications on a first come first serve basis.

In support of the state's efforts to strengthen Indiana's high school students' academic preparation, Purdue University North Central encourages all students to complete the Core 40 requirements and to consider earning the Academic Honors Diploma.

**ADMISSION REQUIREMENTS**

An admission decision is made after an evaluation of the student's total record. An individual's eligibility for consideration will depend upon the following quality requirements and factors:

- Subject matter requirements for the program to which the student is applying.
- Grades in academic courses.
- High school class rank.
- SAT and/or ACT scores.
- Previous college work, if any.

**QUALITY GUIDELINES**

Effective with the class entering Spring Semester 2007, the following quality guidelines for regular admission apply:

- An Indiana Core 40 or Academic Honors high school diploma, or equivalent
- Class Rank in the upper 1/2
- A scholastic aptitude test score of 1400 on the SAT or 20 on the ACT

Limited capacity programs (such as Nursing and Elementary Education) may impose additional subject matter and quality requirements in order to select the strongest applicants in a consistent and equitable manner. These additional requirements would not impact the applicant's admission to uncapped programs.

Applicants who (1) are undecided or unprepared to select an academic program, (2) plan to transfer to another Purdue campus or another university to complete their degree, or (3) are not offered admission to a particular degree program may be admitted to one college as a conditional admission.
TEST SCORE REQUIREMENTS
The SAT or ACT examination is required of all applicants who graduated from high school within three years. The SAT or ACT is recommended but not required of applicants who graduated more than three years ago. For applicants currently attending high school, it is preferred that the SAT or ACT examination be taken in the spring of the junior year.

ALTERNATIVE ACTIONS ON APPLICATIONS
If an applicant's academic background does not meet the entrance standards, the applicant may be granted the following alternative offer of admission:
• Conditional Admission (with the stipulation that the conditional status will be re-evaluated once the student has completed 12 college-level credit hours with “C” or better in each course)

The alternative admission offer is granted based on the belief that the student has a reasonable chance of gaining regular admission at a later date. If the applicant’s academic history cannot support this belief, the applicant will be denied admission to the University.

GENERAL EDUCATIONAL DEVELOPMENT (G.E.D.)
Prospective students who have earned a G.E.D. diploma should complete the application according to instructions, attach a copy of their G.E.D. test results, and forward the forms to the high school they last attended. Qualified G.E.D. students are admitted as conditional which is designed to serve as a bridge from the student’s present academic level to a level of competency needed for a successful performance.

INTERNATIONAL STUDENTS
Applicants from other countries will be admitted on the basis of credentials certifying the completion of preparatory studies comparable to requirements for United States citizens applying at the same entry level. Applicants also must furnish evidence of adequate financial support for the entire period of their schooling. International applicants may be requested to take the Student Assessment and Measurement tests prior to registration.

Official English translations must accompany transcripts and other credentials. The applicant is required to submit satisfactory evidence of the ability to read, write and speak English, as shown by a score of 550 or greater on the paper-based, 213 or greater on the computer-based, or 79 or greater on the Internet-based TOEFL (Test of English as a Foreign Language) examination. A score of 480 or greater on the SAT Verbal or 22 or greater on the ACT Verbal would satisfy the TOEFL requirement.

TRANSFER STUDENTS
An applicant transferring from another college or university must fulfill the following requirements in order to be considered for admission:
• Submit an application for admission and an official high school transcript. High school transcripts are required of all students who do not hold a Bachelor's degree.
• Submit all official transcripts of any college or universities previously attended to the Office of Admissions at the North Central campus.
• Meet subject matter requirements, have a C average and be in good standing at the most recent school attended.
• Submit a $30 transcript evaluation fee.
• In most cases, admission on probation will be applied only to transfer students who were on probation at their previous school, and former Purdue students who left the University on probation.

TRANSFER CREDIT
Transfer credit will be given at Purdue University for courses of equivalent content successfully completed at another accredited college. Advanced standing will be determined on the basis of these credits.

Grades are not transferred; only credit in the course is recorded. Credit earned at other institutions will be evaluated by the faculty of the appropriate department or school in terms of how it fulfills the graduation requirements at Purdue University. Evaluation of credit is completed after a student is admitted to the University.
NON-DEGREE STUDENTS

Admission policies require that any applicant who wishes to pursue undergraduate coursework for college credit must be a high school graduate or G.E.D. recipient prior to entering the University. This includes non-degree applicants who do not wish to be considered as candidates for a degree.

A non-degree student is generally limited to enrolling in a maximum of seven hours per semester during the fall and spring semesters, and is generally limited to enrolling in no more than four hours during the summer session. A student may apply no more than 18 semester hours of work completed as a non-degree student toward an undergraduate degree at Purdue University.

A personal interview with a member of the Office of Admissions staff prior to admission as a non-degree student is encouraged. All course work taken in non-degree status will be reviewed for applicability prior to admission to a degree program.

All students who have been previously enrolled in another institution must be in good scholastic and social standing prior to enrollment at Purdue. Application for admission as a non-degree student should be made directly to the Office of Admissions at the North Central campus.

SUPERIOR HIGH SCHOOL STUDENTS

A high school student with a superior scholastic record during the first three years of high school may qualify for admission to the North Central campus as a non-degree student without high school graduation.

A high school student who has completed a minimum of four semesters of high school will be considered for admission, provided he or she meets two of the following three criteria.

• Ranks in the upper one-third of the class.
• Has an accumulative grade point average of 3.0 or greater (on a 4.0 scale).
• Has a SAT combined score of 1500 or ACT combined score of 21.

Purdue cannot be held responsible for guaranteeing high school diplomas under this arrangement, but it cooperates with whatever arrangement the state or local school system may have for awarding a high school diploma to a successful participant in this plan.

DUAL CREDIT/CONCURRENT ENROLLMENT PROGRAM

A growing number of high schools in surrounding communities offer courses that can be taken for college credit as well as high school credit. The high school courses and teachers have been approved by the corresponding department at Purdue North Central. A high school student who has completed at least 4 semesters of high school may enroll in these courses if they meet the same criteria as the Superior High School Student Program (two of the following three):

• Rank in the upper one-third of the class.
• Accumulative grade point average of 3.0 or greater (4.0 scale).
• SAT combined score of 1500 or ACT combined score of 21.

Tuition for this program has been greatly reduced, and no additional fees are assessed. *(Students who qualify for the federal free/reduced lunch program receive 100% tuition assistance.)* Book fees are usually included in the high school book rental. Registration, withdrawal and payment deadlines follow the PNC campus deadlines.

Questions regarding transferability of courses should be directed to the university where the student intends to attend upon graduation.

RE-ENTRY STUDENTS

Any person in good standing who has formerly attended Purdue but has not been in attendance for a semester or more must submit an application for re-entry which may be obtained from the Registrar’s Office or the Admissions Office. Each individual situation will determine the status of the person’s eligibility for re-entry.
RE-ADMISSION OF STUDENTS

Any person who has been formally dropped from the University for academic reasons and wishes to re-enter must apply for re-admission to the Scholastic Delinquencies and Readmissions Committee. Forms for initiating this procedure are available in the Registrar’s Office at the North Central campus.

STUDENT ASSESSMENT

Appropriate placement in the proper course level is vital to academic success, especially in the first semester. Therefore, all undergraduate students who are offered conditional admission are required to take the Student Assessment Test, to establish their skill level in English composition, math and reading.

The Student Assessment Test is offered through the Student Success Center at various times and dates throughout the year.

There is no fee. Contact the Office of Admissions or the Student Success Center secretary for information.

ADVANCED PLACEMENT AND ADVANCED CREDIT

Advanced placement means that a student is placed in an advanced-level course but no credit toward a degree is awarded for prior courses.

Advanced credit means that college credit is established in one or more subjects and the total credit is recorded on the student's record. Advanced credit usually involves advanced placement.

The student who has taken a college preparatory program, has achieved at a high level, and has good test results should seriously consider the possibility of establishing advanced credit. Personal factors as well as academic record should be considered. The table on the following page shows credits awarded for Advanced Credit. Advanced credit or advanced placement can be established by any of the following methods:

Advanced Credit Examinations

Any questions about advanced credit should be directed to the Office of Admissions.

College Board Advanced Placement Program

Credit can be established on the basis of test results taken at the completion of the advanced placement course in high school. The score required to establish credit varies according to the test.

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

This program evaluates non-traditional college-level education such as independent study, correspondence work, and credit earned from non-accredited institutions.

Subject-Matter Examinations

Purdue credit may be established by taking the subject-matter examinations listed on page 17.

AUDITING CLASSES (VISITORS)

A person who is not already enrolled as a student in the University and who wishes to attend a course in the University without credit shall obtain a visitor’s permission form from the Registrar’s Office and complete it, stating the visitor’s name, the number of the course, the date of attendance permitted, and the fact that no credit is to be allowed. The Registrar shall issue a visitor’s permit upon written recommendation of the instructor and approval by the head of the department administering the course. No person who is ineligible for readmission by reason of that person having been dropped from the University for scholastic or other reasons shall be eligible to attend classes as a visitor.

A person who has status in the University by reason of admission to and registration in a definite classification may enroll in a course as a visitor. The assignment and enrollment must be completed by the regular procedure for visitor registration. The assessment of fees and determination of allowable load shall be in accordance with the credit value or equivalent of the course(s) involved. A visitor in a course shall be entitled to hear lectures, recitations, and oral quizzes. A visitor shall not participate in classroom exercises except as invited by the instructor. The visitor shall neither submit papers, when tests or examinations are given, nor take part in laboratory work. A visitor shall receive no credit for the course. However, if the visitor has been, is, or shall be registered later as a student in the University, then that person may apply for examination for credit, under the usual rules, in the course which was attended as a visitor.
# Advanced Credit (AP)

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>College Board/Advanced Placement (AP) Score</th>
<th>Purdue Course</th>
<th>Purdue Credit Granted (Sem. Hrs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>Studio Art (drawing only) 3, 4, or 5</td>
<td>A&amp;D 113</td>
<td>3</td>
</tr>
<tr>
<td>Biological Sciences</td>
<td>4</td>
<td>BIOL 110</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>BIOL 110 or BIOL 121, 122</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Refer to Section/Dept.0</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>3</td>
<td>CHM 111</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4 or 5</td>
<td>CHM 115 &amp; 116</td>
<td>8</td>
</tr>
<tr>
<td>Economics</td>
<td>3, 4, or 5 (on both tests)</td>
<td>ECON 210</td>
<td>3</td>
</tr>
<tr>
<td>English</td>
<td>Language &amp; comp. 3</td>
<td>ENGL 101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4 or 5</td>
<td>ENGL 101 &amp; 102 &amp; 103</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Literature &amp; comp. 4 or 5</td>
<td>ENGL 231</td>
<td>3</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>4 or 5</td>
<td>EAS 113</td>
<td>3</td>
</tr>
<tr>
<td>Government</td>
<td>American govt. and/or politics 4 or 5</td>
<td>POL 101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Comparative govt. and/or politics 4 or 5</td>
<td>POL 141</td>
<td>3</td>
</tr>
<tr>
<td>History</td>
<td>American 4 or 5</td>
<td>HIST 151 &amp; 152</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>European 4 or 5</td>
<td>HIST 104</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>AB 4 or 5</td>
<td>MA 161</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>BC 4 or 5</td>
<td>MA 161 &amp; 162</td>
<td>10</td>
</tr>
<tr>
<td>Modern Languages</td>
<td>3</td>
<td>101 &amp; 102</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>101, 102, &amp; 201</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>101, 102, 201 &amp; 202</td>
<td>12</td>
</tr>
<tr>
<td>Physics</td>
<td>C (Mechanics) 5</td>
<td>PHYS 152</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>C (Electricity &amp; Magnetism) 5</td>
<td>PHYS 241 &amp; 252 or PHYS 261</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>B (General Physics) 5</td>
<td>PHYS 220 &amp; 221</td>
<td>8</td>
</tr>
<tr>
<td>Psychology</td>
<td>4 or 5</td>
<td>PSY 120</td>
<td>3</td>
</tr>
<tr>
<td>Statistics</td>
<td>4 or 5</td>
<td>STAT 301</td>
<td>3</td>
</tr>
</tbody>
</table>
College-Level Examination Program (CLEP)

<table>
<thead>
<tr>
<th>Subject Matter Exam</th>
<th>CLEP Equivalent</th>
<th>Purdue Credit</th>
<th>Score Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>American History I</td>
<td>HIST 151</td>
<td>3</td>
<td>50+</td>
</tr>
<tr>
<td>American History II</td>
<td>HIST 152</td>
<td>3</td>
<td>50+</td>
</tr>
<tr>
<td>Biology, General</td>
<td>BIOL 110 &amp; 111</td>
<td>8</td>
<td>48+</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>MGMT Undistributed</td>
<td>2</td>
<td>45+</td>
</tr>
<tr>
<td>Calculus, with Elementary Functions</td>
<td>MA 161 &amp; 162</td>
<td>10</td>
<td>55+</td>
</tr>
<tr>
<td>Chemistry, General</td>
<td>CHM 100</td>
<td>3</td>
<td>55+</td>
</tr>
<tr>
<td></td>
<td>CHM 101 &amp; 102</td>
<td>7</td>
<td>70+</td>
</tr>
<tr>
<td></td>
<td>CHM 111</td>
<td>3</td>
<td>50+</td>
</tr>
<tr>
<td></td>
<td>CHM 111 &amp; 112</td>
<td>6</td>
<td>65+</td>
</tr>
<tr>
<td></td>
<td>CHM 115</td>
<td>4</td>
<td>55+</td>
</tr>
<tr>
<td></td>
<td>CHM 115 &amp; 116</td>
<td>8</td>
<td>70+</td>
</tr>
<tr>
<td>Human Growth and Development</td>
<td>CDFS Undistributed</td>
<td>3</td>
<td>45+</td>
</tr>
<tr>
<td>Psychology, General</td>
<td>PSY 120</td>
<td>3</td>
<td>47+</td>
</tr>
<tr>
<td>Sociology, Introductory</td>
<td>SOC 100</td>
<td>3</td>
<td>45+</td>
</tr>
<tr>
<td>Western Civilization I</td>
<td>HIST 102 &amp; 103</td>
<td>6</td>
<td>50+</td>
</tr>
<tr>
<td>Western Civilization II</td>
<td>HIST 104</td>
<td>3</td>
<td>50+</td>
</tr>
</tbody>
</table>

HOUSING

Purdue University North Central is primarily a commuter institution. Housing accommodations are available adjacent to the campus.

CAREER SERVICES AND INTERNSHIPS

The Office of Career Development helps students find internships within their chosen field of study. Internships allow students to gain related work experience before graduation, and students who meet certain criteria may also earn academic credit. In addition, the Office of Career Development provides an on-line job listing and résumé referral system where area employers post job openings, and students view these openings and apply on-line. Other services include one-on-one assistance with all areas of job searching, including résumé writing, a mentoring program which pairs students nearing graduation with professional mentors, and the opportunity to register with the career services office at the West Lafayette campus.
Financial Aid

The Financial Aid staff works with prospective and current students in finding sources of financial aid for their college educations and completing the application process. Purdue University North Central participates in Title IV federal, state and campus-based financial aid programs. To take advantage of all options available, students should contact a financial aid officer well in advance of the semester in which they plan to register.

TYPES OF ASSISTANCE

Financial aid may be gift assistance or self-help. Gift assistance includes Federal Pell Grants, Indiana Higher Education Awards, Federal Supplemental Education Opportunity Grants and private scholarships. In addition to private scholarships, there are university awards including the Freshman Merit Award and the Chancellor's Leadership Award. Several tuition remission programs, including Child of Disabled Veteran tuition remission and Michigan Resident tuition remission also are available. Self-help includes Federal Stafford Loans (subsidized and unsubsidized), Parent Loans for Undergraduate Students (PLUS), Perkins Loans and Federal Work Study. Details on both gift assistance and self-help can be obtained from the Financial Aid office or the Financial Aid website at www.pnc.edu/financialaid.

THE APPLICATION PROCESS

Applying for student financial aid is an annual activity that begins many months before the time the aid will be needed. The Free Application for Federal Student Aid (FAFSA) – or, for previous filers, a Renewal FAFSA – is the key to determining the kind and amount of assistance a student can receive. Students who submit the FAFSA by March 10 prior to the academic year they will be attending will be considered for all available types of financial aid. Those filing after the March 10 priority date can be considered only for federal financial aid programs. Students must complete the FAFSA; in addition, students and/or families may be required to submit other documentation as requested by the financial aid office.

SATISFACTORY ACADEMIC PROGRESS POLICY FOR FINANCIAL AID RECIPIENTS

Purdue University North Central will provide financial assistance to students whose academic progress meets certain criteria set forth by the University. To remain eligible for aid, students must make satisfactory progress toward a degree as outlined in the Satisfactory Academic Progress Policy, which is available upon request in the Financial Aid Office or the Financial Aid website at www.pnc.edu/financialaid/

Credit hours transferred from other institutions will be included in the number of semester credit hours earned when these hours are accepted in a specific degree area. Credit hours are counted regardless of Financial Aid status. Letter grades of E, F, I, W, and N do not count as completed credits for progress.

Students who do not successfully complete courses at the levels set forth by the Financial Aid Office are not making satisfactory academic progress and will be denied federal, state, and university aid (including grants, scholarships, loans, and employment), administered by Purdue University North Central. Financial Aid recipients will have their academic progress reviewed at the end of each semester. Also, students who do not complete at least one course during a semester may be denied aid after their first semester. The students may appeal financial aid denial by following the procedures outlined in the Progress Policy. Academic/Financial Aid suspension from Purdue University North Central will delay consideration for financial aid reinstatement until the student is in compliance with the satisfactory Academic Progress Policy.

For a detailed copy of the Satisfactory Academic Progress Policy and the appeal process contact the Financial Aid Office or visit http://www.pnc.edu/financialaid/.

Class attendance is mandatory for Title IV financial aid recipients.
Registration

Approximately midway through a semester, opportunity is provided to register for the next academic session. This registration period normally extends until the week classes begin and may be done via the WEB (if cleared by the student's advisor) or in the office of the advisor. Drop and adds may also be processed during this period. Payment may be made by web, mail, or in person. The deadline for payment of fees occurs before the first week of classes.

LATE REGISTRATION

The late registration period for the fall and spring semesters ends on Friday of the first week of classes. In the summer session, the late registration period ends on Wednesday of the first week of classes. Registrations during this period will be assessed late registration fees (see Fee section).

SCHEDULE REVISIONS

Schedule revisions may occur following the beginning of a semester or session and are governed by policies intended to be uniformly administered across the various schools of the University. Students may revise their schedules in accordance with the following policy:

Course Additions, Change of Level, Change of Pass/Not-Pass Option

A student may add a course, change course level, or change the pass/not pass option during the first four weeks of a semester or the first two weeks of a summer session by obtaining on the schedule revision form the signatures of the academic advisor and the instructor of the course to be added or changed, if in their judgments the student could satisfactorily fulfill the course objectives. In the case of extenuating circumstances, course changes may be made during weeks five through nine of a semester or during weeks three through four and one-half of a summer session, upon recommendation of the student's academic advisor, instructor, and head of the department in which the course is listed. Such course changes shall not be made during the last seven weeks of a semester or three and one-half weeks of a summer session.

<table>
<thead>
<tr>
<th>Week</th>
<th>Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Approval of academic advisor.</td>
</tr>
<tr>
<td>2-4</td>
<td>Approval of academic advisor and instructor.</td>
</tr>
<tr>
<td>5-9</td>
<td>Extenuating circumstances only. Approval of academic advisor, instructor, and head of the department in which the course is listed.</td>
</tr>
<tr>
<td>10-16</td>
<td>Not permitted.</td>
</tr>
</tbody>
</table>

Cancellation of Assignment

Students shall receive a grade for every course in which they are assigned—unless the course assignment has been properly cancelled at the Registrar’s Office upon presentation by the student of a request approved by the academic advisor. If there are extenuating circumstances, these must be stated on the request. When a course assignment is cancelled prior to the end of two weeks of a semester or one week of a summer session, the course will not be recorded on the student's record. When a course assignment is cancelled after two weeks and prior to the end of four weeks of a semester or after one week and prior to the end of two weeks of a summer session, a grade of W shall be recorded. After four weeks and prior to the end of the twelve weeks of a semester, or after two weeks and prior to the end of six weeks of a summer session, a course assignment may be cancelled upon the request of the student with the approval of the academic advisor. The instructor shall indicate whether the student is passing or failing, unless the student is classified as a freshman or a non-degree student. If the student is not passing, the case may be referred by either the student or the instructor to the Dean of Students, who, after consultations with the dean or the designee of the student's school and other appropriate University agencies, shall determine whether there are sufficient extenuating circumstances beyond the student's reasonable control to justify the cancellation of the course assignment without a failing grade.

No course assignment shall be cancelled within the last four weeks of any semester or two weeks of a summer session.

A student's enrollment in a course may be cancelled for excessive absences by the Committee on Scholastic Delinquencies and Readmissions upon the recommendation of the instructor with the concurrence of the academic advisor and the approval of the dean of the student's school. The appropriate directed grade shall be recorded.
Week Restrictions
1-2 Approval of academic advisor; course will not be recorded.
3-4 Approval of academic advisor; course will be recorded with grade of W.
5-12 Approval of academic advisor. The instructor shall indicate whether the student is passing or failing. A grade of W, WF, or WN will be recorded. In case of a W, WF, or WN exceptions shall be determined by the Dean of Students. Undergraduate students with a semester classification of 0 and fewer than 31 hours of college credit, or with a semester classification of 1 or 2, need not have their instructor's signature. Grades recorded for these students will be W.
13-16 Course assignments cannot be cancelled during this period unless approval is granted by the Dean of Students.

Exceptions
Exceptions to the preceding regulations for registration, schedule revision, and cancellation of assignment may be made for courses that do not span the regular semester or summer session.

CLASS ATTENDANCE
Students are expected to be present for every meeting of the classes in which they are enrolled. All matters relative to attendance, including making up of work missed, are matters for arrangement between the student and instructor involved. It is expected that all instructors will, at the beginning of the semester, make a clear statement to all of their classes regarding their policy for handling absences. Students who fail to meet their class engagements satisfactorily may be denied credit for exercises missed. The instructor will be responsible for counseling with the student whose absences endanger academic performance.

A problem of excessive absences may be referred to the Dean of Students by either the instructor or the student if further information is needed or if either feels that further discussion would resolve the problem. Instructors obtaining information concerning the absence of a student due to personal factors are requested to report such knowledge at once to the Dean of Students. If a student is absent from all the meetings of any regularly scheduled class for a period of two successive weeks, the student may be reported to the Dean of Students for appropriate action. If a student becomes seriously delinquent in attendance, the student may be dropped from the course by the Committee on Scholastic Delinquencies and Readmissions.

Class attendance is mandatory for Title IV financial aid recipients.

COURSE WITHDRAWAL
In order to withdraw from any class, a student must complete a drop card approved by an advisor and submit it to the Registrar's Office. Discontinuance of class attendance is not the basis for withdrawal, and students who do not notify the Registrar's Office when they plan to withdraw will be given a failing grade in each course involved.

ALLOWABLE ACADEMIC LOAD
A student's academic load shall be arranged, so far as possible, in accordance with the following policy:

Credits in excess of 18 hours during a regular session should be carefully monitored by the academic advisor, who may wish to consult with appropriate University personnel concerning the student's prognosis for success. Unless the student's curriculum requirement for that session is specified as greater than 18 credits, approval by the department chairperson of the student's curriculum and by the Vice Chancellor for Academic Affairs must be obtained before the student may be assigned more than 18 credits.

In summer session, no one may be assigned to more than nine credits without approval by the department chairperson of the student's curriculum and by the Vice Chancellor for Academic Affairs.

ASSIGNMENT TO INTENSIVE COURSES
An intensive course is one that meets for four weeks or less. No person shall be permitted to register for two intensive courses in the summer session at the same time. In general, no one who is taking an intensive course shall be permitted to take another non-intensive course at the same time, except, in special cases, with the approval of the instructor in the intensive course, the head of the department administering the intensive course, and, for graduate students, the dean of the Graduate School.
ASSIGNMENT TO A DEPENDENT COURSE
A student who received a grade of F or N in any course shall not be admitted to any dependent course (one requiring the failed course as a prerequisite as set forth in this catalog), and any assignment to or enrollment in such dependent course shall be cancelled. Enrollment in a dependent course also may be cancelled if the student has not taken the prerequisite course or otherwise satisfied the stated requirements for enrolling in the course.

A student who received a grade of E, I, or PI in any course may be admitted to a dependent course on trial with the approval of the appropriate department chairperson administering the course. A transfer student deficient in prerequisite courses may also be admitted to a dependent course on trial with the approval of the department chairperson. If any student on trial is reported delinquent, the student’s assignment to the course may be cancelled upon the recommendation of the instructor and with the concurrence of the department chairperson.

If a student on trial in a dependent course completes the course with a passing grade, his achievement may, by prior agreement, be construed as satisfying the requirements for changing an E grade in any prerequisite course in the same department, provided the department chairperson approves and reports the change of grade properly to the Registrar. However, satisfactory work in a dependent course shall not relieve the student of the requirement to complete required work in any prerequisite course in which a grade of I, or PI (incomplete) was received. None of these provisions shall deprive a student of the opportunity to resolve a grade of E, I, or PI in the normal manner.

TRANSFER TO ANOTHER PURDUE CAMPUS
Upon the completion of the semester or summer session, a student may transfer enrollment from the North Central campus to another Purdue University campus, provided all requirements are met. Program requirements vary. To initiate this process the student must complete an appropriate form available through the Registrar’s Office. Following this procedure an Authorization for Enrollment form from the intended campus of registration and instructions for registration will be sent to the student.

Students must be admitted to a degree program of Purdue University before they are eligible to transfer. Students must meet all deficiencies and be academically admissible to a desired program prior to seeking admission to another school.

University Fees
Fees are set by the Board of Trustees of Purdue University and are subject to change by the Board without notice.

COURSE FEES
As a regional campus, Purdue University North Central has a fee structure different from that at the West Lafayette campus. Fees are based on an established amount per credit hour. In addition, a laboratory fee will be charged if the course includes laboratory work. In general, a student will be considered a resident for tuition purposes if that student has lived in the State of Indiana for at least the 12 months preceding the first day of classes for the semester in which admission is sought. See the Registrar for further information.

Graduate students who have received baccalaureate degrees will pay higher fees than undergraduate students unless they are:

• Pursuing an additional baccalaureate degree in a discipline different from that of the baccalaureate degree currently held.
• Enrolling in undergraduate courses clearly for personal enrichment or occupational requirements and no intent exists toward pursuing an advanced degree.

Questions concerning the policy or the classification of an individual student should be addressed to the Registrar. Refer to the latest schedule of classes for the credit hour and laboratory fee schedule or call the Office of the Registrar.
OTHER FEES

Student Service Fee
All students will pay this fee, which is refundable at the same percentage as class fees.

Technology Fee
All students will pay this fee, which is refundable at the same percentage as class fees. The money from this fee is used to purchase computers and other technology equipment for student use.

Late Registration Fee
A late registration fee is assessed per course, with a set maximum total. This fee is assessed if the student registers on or after the first day of classes. The fee is nonrefundable.

Breakage Fees
Course fees include the cost of normal breakage and wear and tear on equipment. However, an additional charge will be levied against individuals for excessive waste, loss, or breakage that may occur. Such special charges must be paid before course credit will be given.

Repair and Rehabilitation Fee
This fee is assessed to all new students that began enrollment at Purdue North Central during the Summer or Fall 2006 semesters and thereafter to address maintenance funding for buildings and infrastructure on campus. The fee will not be billed to those students continuing enrollment on the North Central campus from the Spring 2006 semester, unless they sit out more than one semester, or attain one degree (Bachelors or Masters). However, they will be assessed the fee beginning Fall 2011.

Encumbrance Fee
If a student fails to fulfill any financial obligation to various University departments, that student's records will be encumbered and a fee will be assessed to the student by the department that issued the encumbrance. Prior to the assessment of the encumbrance fee, the student will be advised in writing of the outstanding financial obligation and will be given a specified time to settle the account.

If a student's records are encumbered because of outstanding financial obligation, that student will not be allowed to register for an additional semester at Purdue University, nor will a student's transcript be released until the financial obligation and encumbrance fee are paid.

REFUNDS
If a student withdraws, course fees will be refunded as follows:

Refund Percentage

<table>
<thead>
<tr>
<th>Period of Withdrawal</th>
<th>Fall &amp; Spring Semesters</th>
<th>Summer Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td>First week</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Second week</td>
<td>60</td>
<td>40</td>
</tr>
<tr>
<td>Third week</td>
<td>40</td>
<td>0</td>
</tr>
<tr>
<td>Fourth week</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>Fifth week</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Title IV students are subject to Title IV refund policies. See the current semester schedule under “refunds” for details.

A copy of the refund schedule also is available in the Bursar's Office, 127 Schwarz Hall.

To be eligible for a refund, students must complete the necessary withdrawal forms in the Registrar's Office.

INSURANCE
Low-cost University accident and health insurance is offered annually to all students carrying an academic load of three credits or more. Students may enroll in this program at the beginning of each semester. Information and applications are available in the Bursar's Office and the Dean of Students Office.
Grading

ASSIGNING OF GRADES

Instructors will assign a grade for each course in which the student is enrolled at the close of a session. The student shall be responsible for the completion of all required work by the time of the last scheduled meeting in the course unless the assignment to the course has been properly cancelled. The grade shall indicate the student's achievement with respect to the objectives of the course.

Courses for Credit

A highest passing grade.
B
C
D lowest passing grade; passing minimal objectives of the course.
E conditional failure; failure to achieve minimal 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 and until the record is duly changed within one semester. It cannot be changed to a grade higher than a D.
F failure to achieve minimal objectives of the course. The student must repeat the course satisfactorily in order to establish credit in it.
P passing grade for the pass/not pass option; equivalent to grade A, B or C.
N not passing for the pass/not pass option. Issued when the student's grade would be a D or F under the letter grade option.

Pass/Not Pass Option

The pass/not pass option provides students with the opportunity to broaden their educational foundations with minimal concern for grades earned. The option is open to all students in the University subject to the regulations of the school in which the student is enrolled. Subject to the regulations of each curriculum, this option may be elected in any course which does not already appear on the student's academic record and in which the student is otherwise eligible to enroll for credit with letter grade. A student may not elect this option for more than 20 percent of the total credits required for graduation.

A student who is enrolled in a course under this option has the same obligations as those who are enrolled in the course for credit with letter grade. In reporting final grades in the course, the instructor will report that any such student who would have earned a grade of A, B, or C has passed the course, and that any other such student has not passed.

For Incomplete Work, either credit or noncredit

I incomplete; no grade; a temporary record of work which was interrupted by unavoidable absence or other causes beyond a student's control, and which work was passing at the time it was interrupted. An instructor may require the student to secure the recommendation of the Dean of Students that the circumstances warrant a grade of incomplete. The student must achieve a permanent grade in the course no later than the 12th week of the second subsequent semester of enrollment, or the I grade will revert to a failing grade. If the student is not enrolled for a period of three years following the semester in which the incomplete is given, then 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.

PI incomplete, for pass/not pass option. Has the same provisions as the I for letter grade option.

Directed Grades

The Registrar is directed to record the following grades and symbols under special circumstances:

W withdrew; a record of the fact that a student was enrolled in a course and withdrew or cancelled the course after the second week of the regular semester.

WF withdrew failing; a record of the fact that a student with a classification of 3 or higher was enrolled in a credit course and withdrew from the course after the fourth week at which time, according to a statement from the instructor, the student was not passing in his/her work. This grade does not affect index computations. A grade of WF may be directed by the readmissions committee.

WN withdrew not passing; the same as WF for a credit course taken under the pass/not pass option. It does not affect index computations.
IF unremoved incomplete failing; for a credit course in which a student received an I grade, a directed record of the student’s failure to achieve a permanent grade by the 12th week of the second subsequent semester of enrollment. This grade counts in all respects as a failing grade.

IN unremoved incomplete; not passing for a credit course taken under the pass/not pass option under which the student received a PI grade. The same as an IF grade except that it does not affect index computations.

IX unremoved incomplete because the student did not enroll for a period of 3 years following the semester in which the incomplete is given.

GOOD STANDING
For purposes of reports and communications to other institutions and agencies and in the absence of any further qualification of the term, a student shall be considered in good standing unless he or she has been dismissed, suspended, or dropped from the University and has not been readmitted.

SCHOLARSHIP INDEXES
The scholarship standing of all regular students enrolled in programs leading to an undergraduate degree shall be determined by two scholarship indexes, the semester index and the graduation index.

• The semester index is an average determined by weighting each grade received during a given semester by the number of semester hours of credit in the course.

• The graduation index is a weighted average of all grades received by a student while enrolled in the curriculum plus all other grades received in courses taken in other curricula offered by the University and properly accepted for satisfying the requirements of the curriculum of the school in which the student is enrolled. With the consent of the appropriate academic advisor, a student may repeat a course. In the case of courses which have been repeated, or in which conditional grades have been removed by examination, or for which a substantially equivalent course has been substituted, the most recent grade received shall be used.

• For the purpose of averaging, each grade shall be weighted in the following manner:

  - A 4 x semester hours = index points
  - B 3 x semester hours = index points
  - C 2 x semester hours = index points
  - D 1 x semester hours = index points
  - E,F,IF 0 x semester hours = index points
  - P,N,I,PI,W,WF,WN,IN not included

Requirements for Degrees
ASSOCIATE DEGREE
To earn an associate degree, a student shall satisfy the following:

• The completion, either by Purdue course work, as directed credit, or by credit accepted from another institution, of the plan of study underlying the degree. Deans of colleges may refuse to accept as credit toward graduation any course which was completed 10 or more years previously. Former students shall be notified immediately of all such decisions upon re-entering. Waivers or substitutions may be made by the school conferring the degree.

• Resident study at Purdue University for at least two semesters and the enrollment in and completion of at least 32 semester hours of coursework required and approved for the completion of the degree. Students are normally expected to complete the entire second year in residence; however, with approval by the school concerned, students who have at least three semesters of resident study may complete not to exceed 16 semester hours of the second year, in another approved college or university. For the purpose of this rule, two summer sessions may be considered as equivalent to one semester.

• Registration, either in residence or in absentia, as a candidate for the desired degree during the semester (or summer session) immediately preceding its conferment.

• A minimum graduation index of 2.00 shall be required for graduation.
• A student who has completed all other requirements for an associate degree, but has failed to meet the quality requirements may register for additional courses with the approval of an authorized representative of the dean of the school after a review of the student's record. The additional courses which the student may take after meeting all quantity requirements shall not exceed 10 credits. Credit in these additional courses must be established within three years of the date on which all degree requirements except the minimum graduation index were met. The student will be considered as having met the quality requirement for graduation if the student's graduation index, including the above extra courses, meets the quality standard in effect at the time when all other graduation requirements were satisfied.

BACCALAUREATE DEGREE
To earn a baccalaureate degree from Purdue University, a student shall satisfy the following requirements:
• The completion, either by resident course work, as directed credit, or by credit accepted from another institution, of the plan of study underlying the degree. Deans of colleges may refuse to accept as credit toward graduation any course which was completed ten or more years previously. Former students shall be notified immediately of all such decisions upon re-entering. Waivers or substitutions may be made by the school conferring the degree.
• Resident study at Purdue University for at least two semesters and the enrollment in and completion of at least 32 semester hours of coursework required and approved for the completion of the degree. These courses are expected to be at least junior-level courses. Students are normally expected to complete the senior year in residence; however, with approval by the school concerned, a student who has had four semesters of resident study may complete the last year or a portion of it at another college or university, provided that the number of semester credit hours to be taken does not exceed 25 percent of the total credit hours required for the degree. The foregoing stipulations do not apply to students who earn credit elsewhere through a contract or arrangement entered into by the University or one of its academic units.
• Registration, either in residence or absentia, as a candidate for the desired degree during the semester (or summer session) immediately preceding its conferment.
• A minimum graduation index of 2.00 shall be required for graduation. Some teacher education programs require minimum indexes higher than 2.00.
• A student who has completed all other requirements for a baccalaureate degree, but has failed to meet the quality requirements may register for additional courses with the approval of an authorized representative of the dean of the college after a review of the student's record. The additional courses which the student may take after meeting all quantity requirements shall not exceed 20 credits. Such a student may take in another approved college or university not more than nine of the 20 credits permitted, provided such courses are approved in advance in writing by an authorized representative of the dean of the student's school. A copy of such approval must be filed in the Office of the Registrar. Credit in these additional courses must be established within five years of the date on which all degree requirements except the minimum graduation index were met. The student will be considered as having met the quality requirement for graduation if the student's graduation index, including the above extra courses, meets the quality standard in effect at the time when all other graduation requirements were satisfied.

ADVANCED DEGREES
Requirements for the several master's degrees, for the Educational Specialist, and for Doctor of Philosophy degrees are established by the Graduate Council and are stated in the Graduate School Bulletin and the regulations of the Graduate School. In general, these requirements include the following:
• The filing of an appropriate plan of study for the advanced degree, and the approval of that plan by the department or school head, the school dean, and the dean of the Graduate School.
• The demonstration of proficiency in English prior to filing the plan of study.
• The completion of a substantial portion of the plan in residence, as described in the bulletin. Course credits earned by a student whose graduate study has been inactive for five years or more are normally excluded.
• The completion of a thesis for all doctoral degrees and for thesis-option master's degrees.
• Successful completion of such written and/or oral examinations specified by the various schools and departments.
MULTIPLE DEGREES
Upon special request approved by the deans of the schools concerned and filed with the Registrar at the beginning of the final semester (or summer session), a student may be registered as a candidate for more than one degree.

MEETING DEGREE REQUIREMENTS
Specific deadlines for the various requirements for graduate degrees are outlined in the Graduate School Bulletin and must be met as specified. All degree requirements for undergraduate and professional degrees are to be met as of the end of the academic session in which the degree is to be conferred. In the event that academic requirements for an undergraduate or professional degree have not been met as of the end of the session, the candidate’s school may grant an extension of time, not to exceed 30 calendar days following the end of the session, for these requirements to be completed in order for the degree to be conferred for that session.

Academic requirements which have not been completed, as of the end of the 30-day period, shall disqualify the student from receiving the degree in the intended session and shall delay the conferring of the degree until the end of the next session in which the student is duly registered and all degree requirements have been completed.

SCHOLASTIC PROBATION
A student shall be placed on probation if the student’s semester or graduation index at the end of any regular semester is less than that required for a student with a classification as shown in Table A below.

A student on probation shall be removed from that status at the end of the first subsequent semester in which the student achieves semester and graduate indexes equal to or greater than those required for a student with a classification as shown in Table A.

Any grade change due to reporting error will result in a recalculation of the index and determination of probation status.

Table A. Index levels for probation
S = Semester Index; G = Graduation Index

<table>
<thead>
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<tbody>
<tr>
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<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>2</td>
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<td>1.7</td>
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<tr>
<td>4</td>
<td>1.6</td>
<td>1.8</td>
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<td>5</td>
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<td>1.9</td>
</tr>
<tr>
<td>6</td>
<td>1.7</td>
<td>2.0</td>
</tr>
<tr>
<td>7</td>
<td>1.7</td>
<td>2.0</td>
</tr>
<tr>
<td>8 and up</td>
<td>1.7</td>
<td>2.0</td>
</tr>
</tbody>
</table>

DROPPING OF STUDENTS FOR SCHOLASTIC DEFICIENCY
A student on scholastic probation shall be dropped from the University if at the close of any semester in which the student’s graduation index is less than that required in Table B or if the student receives six credits or more of failing (F) grades for the semester. This rule shall not apply for the semester in which the student completes all requirements for a degree. A student dropped by this rule and later duly readmitted as a regular student shall be readmitted on probation.

Table B. Index levels for dropping
G = Graduation Index

<table>
<thead>
<tr>
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<tr>
<td>3</td>
<td>1.5</td>
</tr>
<tr>
<td>4</td>
<td>1.6</td>
</tr>
</tbody>
</table>
Applications for readmission to the University from students who have been dropped for academic reasons must be accompanied by a check or money order, not cash, for $100 made payable to Purdue University. Processing of the application will not begin until the fee is paid. Applications may be obtained from the Registrar’s Office.

**SCHOLASTIC RECOGNITION**

**Chancellor’s List**

At the conclusion of each semester, the registrar shall indicate which undergraduate students are scholastically eligible to be included on the Chancellor’s List. To be cited on the Chancellor’s List for any one semester, a student must:

- Have at least 12 credits included in the graduation index.
- Have at least 6 hours included in the semester index.
- Attain at least a 3.5 graduation index.
- Have at least a 3.0 current semester index.

**Semester Honors**

At the conclusion of each semester, the registrar shall indicate which undergraduate students are scholastically eligible for Semester Honors. To be cited, a student must:

- Have at least 6 credits included in the semester index.
- Attain at least a 3.5 semester index.
- Have at least a 2.0 graduation index.

**DEGREES WITH DISTINCTION**

Degrees are awarded at the end of each semester and summer session to candidates who have completed the requirements of their schools. At each of these periods, degrees with distinction are awarded to those completing the undergraduate plans of study under the following general University rules:

- A candidate for the baccalaureate with distinction must have earned at least 65 hours of credit at Purdue. A candidate for an associate degree with distinction must have earned at least 35 hours of credit at Purdue. To qualify for distinction, the student’s graduation index for all work completed must be at least 3.30.
- 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.
- 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.
ENROLLMENT / STUDENT SERVICES

DEAN OF STUDENTS OFFICE
The staff of the Dean of Students Office, Room 103 of the Library-Student-Faculty Building, offers services in the following areas:

Personal Counseling
Short-term, confidential individual counseling is available, free of charge, for a variety of personal problems. Referral to outside services is available as necessary and appropriate. Services are free of charge and are provided to enrolled students.

Career Counseling
Assistance is available for individuals who have not clarified their immediate or long-range vocational goals, or are dissatisfied with their present majors in college. Services are free of charge and are provided to potential students, enrolled students, and alumni.

Academic Counseling
Services are provided to students experiencing difficulty in their academic work. Help with study techniques, scheduling of study time and other problems related to academic performance are offered. The office also provides academic advisors for students who have not established career objectives.

Career Test Battery
Individual tests relating to aptitude, personality, mental ability and career interest are available on request. Also, a specially developed career test battery is available for both enrolled students and members of the community for a fee. A reduced fee is charged to PNC students.

Computer-based Career Assessment
“Discover,” a computerized career guidance program, contains the latest occupational and educational information to assist students in career planning. There is no charge for this service.

ACADEMIC ADVISING
Upon admission to the University, each student is assigned an appropriate academic advisor who is available to provide information on policies, procedures and programs of the University. The Dean of Students Office provides academic advising for students who are undecided as to their choice of major, students majoring in Purdue schools not represented by PNC academic sections and students assigned to the office by academic sections. Students served by academic advisors in the Dean of Students Office can receive assistance in choosing educational and career objectives as well as course selection and planning. In addition, students can receive information about a wide range of educational opportunities at this University and elsewhere that are pertinent to their objectives.

DISABILITY SERVICES
Purdue University North Central is committed to providing reasonable and appropriate accommodations to qualified students. Students must provide appropriate documentation in order to receive accommodations. Typical accommodations that may be provided include extended testing time in a distraction-reduced environment, notetaker, reader, books scanned to CD, and other accommodations as approved by the Disability Services Coordinator. The PNC campus is physically accessible with automatic doors and elevators in each building. Please see the Disability Services Coordinator, Schwarz Hall, Room 38, to request accommodations or to obtain more information.
STUDENT SUPPORT SERVICES (SSS)
Funded by the U.S. Department of Education, sSSs is designed to assist low income, first-generation college students and students with disabilities to maximize their academic potential and achieve their academic goals. A professionally trained staff provides academic and personal support including counseling, study skills, learning assessments, assistance in development of an appropriate plan of study, orientation to college, remedial and developmental work, educational and academic counseling. Students with disabilities are assisted in making arrangements which will allow them to enjoy full access to the educational opportunities of the University.

For more information or to apply for sSSs, a student need only contact the sSSs Office, located in Schwarz Hall, Room 38 or on our website at www.pnc.edu/s3. The necessary forms and instructions are available to any interested individual. Validation of eligibility will be required at the time of application to the program. Staff members are available to consult with students regarding eligibility and services.

CHILD CARE
The Panther Cub Child Care Center, located in Room 135 of the Library-Student-Faculty Building, provides convenient, high-quality care for the children of students, faculty, and staff members. The Center offers a variety of activities for children, enabling them to explore various activities and interests. Children ages 2 through 7 (up until the 8th birthday), provided they are toilet trained, are eligible to participate in the program. Prior to using this service, a parent must complete all enrollment forms and purchase a child care fee sheet. More information is available at the Child Care Center or from the Dean of Students Office.

STUDENT ACTIVITIES/ATHLETIC OFFICE
Recognizing the diverse student population on campus, this office provides numerous opportunities to accommodate the interests of the student body. Student participation is encouraged in planning activities, and students are asked to express their needs and desires.

Activities and Events
Throughout the year, programs of entertainment, cultural leadership, and educational value are held for the benefit of the students. Events are sponsored by Student Government, Dean's Leadership, and F.A.C.E. (Fine Arts Convocation and Events) committee. Others are sponsored by the Chancellor and by the Student Activities/Athletics office. Most of these programs are free and many are open to the public.

Student Organizations
A number of student organizations are active, many of which were formed in response to student interest or request. Some clubs extend student involvement in their academic major; others promote social, political, community or spiritual interests. Dean's Leadership Group gives students the opportunity to earn scholarship money and participate in campus activities. The Student Government is quite active, composed of representatives elected by the student body each spring. The Voice, a student-operated newspaper, is published periodically during Fall and Spring semesters.

Recreation
A comprehensive package of recreational activities includes intramural sports, fitness activities, outdoor recreation and special events. Campus facilities for recreation include tennis/basketball courts, Fitness Center, locker rooms, walking/jogging trails and an indoor game room.

Sports
Purdue University North Central belongs to the National Association of Intercollegiate Athletics (NAIA) and the Chicagoland Collegiate Athletic Conference, fielding teams in men's baseball, men's basketball, and women's softball and volleyball. A cheerleading squad supports athletics and other campus activities. Additional club sports programs can be started if sufficient student interest and funding exists.
HONOR SOCIETIES

Alpha Sigma Lambda. The Kappa Delta chapter of this national honor society for nontraditional/adult students recognizes the academic achievements of those who continue their higher education while facing competing interests of family, community and work.

Alpha Mu Pi (Sigma Tau Delta). The Alpha Mu Pi chapter of this international society honors English majors.

Beta Beta Beta. The Xi Rho chapter of this national honor society is dedicated to improving the understanding and appreciation of the biological sciences and has chapters at 380 colleges and universities.

Kappa Delta Pi. The Purdue University North Central Alpha Upsilon chapter of Kappa Delta Pi is an international all-disciplinary honor society for students majoring in Education.

Phi Eta Sigma. Phi Eta Sigma is a national honor society that was founded to recognize high scholastic achievement among freshmen. Membership is open to all freshmen who have a cumulative grade point average of 3.5 and are full time students.

Psi Chi. Psi Chi is the National Honor Society in Psychology, founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship, and advancing the science of psychology. Membership is open to graduate and undergraduate men and women who are making the study of psychology one of their major interests, and who meet the minimum qualifications.

Student chapters of these professional engineering societies are associated with the Technology/Engineering Club: American Society of Mechanical Engineers, Institute of Industrial Engineers and Institute of Electrical and Electronics Engineers.

FACILITIES TO ASSIST LEARNING

Library
Located on the second floor of the Library-Student-Faculty Building, the library provides open access to its collection of books and periodicals. If the library does not have the book or article you need, we will borrow it from another library. Computers are available for student use. In addition 20 laptops are available for student use at the circulation desk. Online full-text articles and resources are available from any workstation on- or off-campus. Rooms are available for small study groups. Personalized reference help can be requested at a time convenient for you.

Computer Lab
The main computer lab for student use is Room 265, Technology Building. Access from this lab includes more than 100 terminals with a variety of software, e-mail and internet connections. Students also may arrange to use computers in special areas around campus such as the CAD labs, Nursing Media Center and the Library.

Student Success Center
PNC’s Student Success Center offers academic support services to all PNC students. Tutoring services, academic and study skills development, and academic guidance are provided through seminars, workshops, individual appointments, and group study sessions to support and challenge our students as learners. The Student Success Center maintains collaborative relationships across campus, supports the instructional objectives of the faculty, and advances the educational and retention efforts of Purdue University North Central.

Nursing Media Center
Multiple resources including mannequins, equipment, supplies, and reference books are available for use in the Nursing Resource Center. Both areas are available for independent practice, as a prescriptive referral by a Faculty member, or as a scheduled supervised practice session. The skills area is room 394 in the technology building. Computers, TV/VCR's, DVD, and LCD projector are in the Media Center. There are various videos and software programs also available. The Media Center is TECH 392.

Writing Center
Peer tutoring and other resources for grammar, spelling, punctuation and other writing skills are available in this center, located in LSF 211.

Tutors
Tutoring is available in courses throughout the semester. Students should ask their instructors and/or academic advisors about the availability of tutoring. Tutoring is offered through the Student Success Center and the Writing Center.
Associate of Science Degree in Architectural Technology

An Associate of Science degree in Architectural Technology prepares students for a number of interesting careers in the field of building design or construction.

Currently graduates are working as architectural draftspersons, estimators, planning technicians, field inspectors, and sales representatives. Among their employers are home builders and commercial building construction firms, building suppliers, and government agencies.

The drawing courses begin with basic fundamentals and extend into wood frame systems and intermediate-size buildings. Other drawing courses include presentation techniques. Materials, surveying, specifications, estimating, mechanical equipment and other courses related to construction are also a part of the program. Related courses in the areas of mathematics, physical sciences, and humanities are essential in the development of a person who wishes to advance in the field of construction.

Graduates of this program may continue their education toward the Bachelor of Science degree in Engineering Technology: Construction Technology (ART option) or the Bachelor of Science degree in Construction Engineering and Management Technology.

GENERAL PLAN OF STUDY: ARCHITECTURAL TECHNOLOGY

Freshman Year

First Semester

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<tr>
<td>3</td>
<td>ART 299A</td>
<td>Plans and Specifications</td>
</tr>
<tr>
<td>2</td>
<td>BCM 100</td>
<td>Introduction to Construction</td>
</tr>
<tr>
<td>3</td>
<td>CGT 110</td>
<td>Technical Graphics Communications</td>
</tr>
<tr>
<td>3</td>
<td>C&amp;IT 127</td>
<td>Microcomputer Spreadsheet Applications</td>
</tr>
<tr>
<td>3</td>
<td>ENGL 101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>3</td>
<td>MA 153</td>
<td>Algebra and Trigonometry I</td>
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Second Semester

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<tr>
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<td>ART 150</td>
<td>Architectural Construction I</td>
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<tr>
<td>3</td>
<td>BCM 235</td>
<td>Construction Materials and Systems</td>
</tr>
<tr>
<td>3</td>
<td>CET 160</td>
<td>Statics</td>
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<td>3</td>
<td>CGT 290A</td>
<td>Computer-Aided Drafting and Design</td>
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<tr>
<td>3</td>
<td>ENGL 102</td>
<td>English Composition II</td>
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<tr>
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<td>MA 154</td>
<td>Algebra and Trigonometry II</td>
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</table>
Sophomore Year

Third Semester

2  ART 221  Architectural Presentation
3  BCM 112  Construction Surveying Fundamentals
3  CET 260  Strength of Materials
3  CET 266  Materials Testing
3  COM 114  Fundamentals of Speech Communication
3  MA 223  Introductory Analysis I

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Fourth Semester

3  ART 222  Architectural Construction II
3  BCM 212  Construction Layout
3  BCM 270  Materials and Estimates
3  MA 224  Introductory Analysis II
4  PHYS 220  General Physics I

16

Total credits required for associate degree: 68

Note to students pursuing the Bachelor of Science Degree:
(See BS-ET degree/ART Option plan of study, located under ENGINEERING TECHNOLOGY heading.)
Bachelor of Behavioral Sciences

The Bachelor of Arts in Behavioral Sciences is designed to give students the necessary groundwork for entry-level employment in social services or social work, currently one of the fastest-growing fields in the Midwest. It also provides a solid foundation for students wishing to pursue graduate work in psychology, sociology, or social work.

Students may choose from one of three options - psychology, sociology, or social work - with the psychology and social work options allowing students practicum hours of field work under the mentorship of a professor. Students will complete 126 total credit hours, with 15 hours being completed in their option, 24 hours completed in a general behavioral science core, 57-66 hours of general education core requirements and the remaining hours for electives of the students’ choosing. The degree is governed by the College of Liberal Arts of Purdue University.

THE CURRICULUM

A total of 126 credit hours are required for the Bachelor of Arts in Behavioral Sciences. Guidelines are as follows:

General Education Core

6 English Composition
3 Speech Communication
6 Mathematics/Statistics
6 Natural Sciences
3 Foreign Language (French, German, Spanish or ASL at the fourth level)
3 Western Heritage
3 Social Ethics
3 Individual & Society
3 United States Tradition
3 Aesthetic Awareness
3 Gender Issues
3 Race/Ethnic Diversity
3 Other Cultures
3 Global Perspective

Behavioral Science Core

3 PSY 120 Elementary Psychology
3 SOC 100 Principles of Sociology
3 SOC 220 Social Problems
3 PSY 350 Abnormal Psychology
3 STAT 301 Elementary Statistical Methods
3 PSY 240 General Social Psychology or SOC 340 General Social Psychology
3 PSY 201 Quantitative Topics in Psychology or SOC 382 Methods of Social Research I
34  BEHAVIORAL SCIENCES

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<tr>
<td>PSY 203</td>
<td>Research Methods in Psychology or</td>
</tr>
<tr>
<td>SOC 383</td>
<td>Methods of Social Research II</td>
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</table>

**Options**

Students will choose an option in psychology, sociology, or social work:

**Psychology**

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<thead>
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<tbody>
<tr>
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<td>3 PSY 360</td>
<td>Developmental Psychology</td>
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<td>3 PSY 380</td>
<td>Behavior Change Methods</td>
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<tr>
<td>3 PSY 450</td>
<td>Crisis Intervention</td>
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<td>3 PSY 498</td>
<td>Senior Research</td>
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**Social Work**

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<td>Introduction to Social Work</td>
</tr>
<tr>
<td>3 SWRK 361</td>
<td>Institution of Social Welfare</td>
</tr>
<tr>
<td>3 SWRK 362</td>
<td>Social Work Practice I</td>
</tr>
<tr>
<td>3 SWRK 363</td>
<td>Social Work Practice II</td>
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<tr>
<td>3 SWRK 461</td>
<td>Field Practicum in Social Work</td>
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**Sociology**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>3 SOC 310</td>
<td>Racial and Ethnic Diversity</td>
</tr>
<tr>
<td>3 SOC 324</td>
<td>Criminology</td>
</tr>
<tr>
<td>3 SOC 391</td>
<td>Sociology of Violence</td>
</tr>
<tr>
<td>3 SOC 411</td>
<td>Social Stratification</td>
</tr>
<tr>
<td>3 SOC 421</td>
<td>Juvenile Delinquency</td>
</tr>
</tbody>
</table>

**Elective Courses**

Between 21 and 30 hours of electives are available to students. Students are encouraged to take courses in Adult Development and Aging, Industrial Psychology, and Child/Family Behavior.

**Other Requirements and Limitations**

Students must meet residency requirements at Purdue North Central.

Students must have their plan of study on file with the Social Sciences Department by their junior year.

**SUGGESTED ARRANGEMENT OF COURSES**

**Freshman Year**

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>3 ENG 101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>3 Mathematics</td>
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</tr>
<tr>
<td>3 PSY 120</td>
<td>Elementary Psychology</td>
</tr>
<tr>
<td>3</td>
<td>Western Heritage</td>
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<tr>
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<td>Elective</td>
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15
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<tr>
<th>Semester</th>
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<tr>
<td><strong>Second Semester</strong></td>
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</tr>
<tr>
<td>3 ENGL 102</td>
<td>English Composition II</td>
</tr>
<tr>
<td>3 Science</td>
<td></td>
</tr>
<tr>
<td>3 SOC 100</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>3 Other Cultures</td>
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<tr>
<td>3 Elective</td>
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<td><strong>Sophomore Year</strong></td>
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<td><strong>Third Semester</strong></td>
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<tr>
<td>3 COM 114</td>
<td>Speech Communication</td>
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<tr>
<td>3 Social Ethics</td>
<td></td>
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<tr>
<td>3 Natural Science</td>
<td></td>
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<tr>
<td>3 SOC 220</td>
<td>Social Problems</td>
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<td><strong>Fourth Semester</strong></td>
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<tr>
<td>3 Natural Science</td>
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<tr>
<td>3 U.S. Tradition</td>
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<tr>
<td>3 Mathematics</td>
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<tr>
<td>3 SOC 310</td>
<td>Racial &amp; Ethnic Diversity</td>
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<td>3 Elective</td>
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<td><strong>Junior Year</strong></td>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>3 SOC 340</td>
<td>General Social Psychology or</td>
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<tr>
<td>3 PSY 240</td>
<td>Intro to Social Psychology</td>
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<tr>
<td>3 STAT 301</td>
<td>Elementary Statistical Methods</td>
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<td>3 Global Perspectives</td>
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<td>3 Behavioral Sciences Course</td>
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<td>3 Elective</td>
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</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td></td>
</tr>
<tr>
<td>3 PSY 201</td>
<td>Intro to Quantitative Topics in Psychology or</td>
</tr>
<tr>
<td>3 SOC 382</td>
<td>Intro to Methods of Social Research</td>
</tr>
<tr>
<td>3 Behavioral Sciences Course</td>
<td></td>
</tr>
<tr>
<td>3 Gender Studies</td>
<td></td>
</tr>
<tr>
<td>3 Aesthetic Awareness</td>
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Purdue University North Central 2008-2009
### Senior Year

#### Third Semester

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<tr>
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<tr>
<td>3</td>
<td>PSY 350 Abnormal Psychology</td>
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<tr>
<td>3</td>
<td>PSY 203 Intro to Research Methods in Psychology or</td>
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<tr>
<td>3</td>
<td>PSY 383 Intro to Methods of Social Research</td>
</tr>
<tr>
<td>3</td>
<td>Behavioral Sciences Course</td>
</tr>
<tr>
<td>3</td>
<td>Behavioral Sciences Course</td>
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<tr>
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#### Fourth Semester

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<tbody>
<tr>
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<td>PSY 201 Intro to Quantitative Topics in Psychology or</td>
</tr>
<tr>
<td>3</td>
<td>SOC 382 Intro to Methods of Social Research</td>
</tr>
<tr>
<td>3</td>
<td>Behavioral Sciences Course</td>
</tr>
<tr>
<td>3</td>
<td>Ind. &amp; Society</td>
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<tr>
<td>3</td>
<td>Elective</td>
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<tr>
<td>3</td>
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<tr>
<td></td>
<td><strong>Total:</strong> 15</td>
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</tbody>
</table>
Bachelor of Science in Biological Sciences

For the student who wishes to major in the biological sciences, Purdue University North Central offers several options:

- General Biology
- Biology with a concentration in
  - Ecology
  - Microbiology
  - Pre-Dentistry
  - Pre-Medicine (including optometry and physical therapy)
  - Pre-Veterinary Medicine
- A Chemistry minor for biology majors and an Ecology minor is available for non-majors.

Also, students have a unique opportunity to participate in undergraduate research and independent study on campus and at Purdue University North Central’s Ecology Research Field Station within the Indiana Dunes National Lakeshore.

MISSION

The primary mission of the Biology/Chemistry Department is one of teaching and service to residents of LaPorte, Porter, and Stark counties. The department also has an important mission in conducting research in which undergraduate students are encouraged to participate.

The general education experience at Purdue University North Central is fundamental to the primary and secondary missions of the Biology/Chemistry Department. General education is that component of the undergraduate curriculum at this campus devoted to those areas of knowledge, methods of inquiry, and ideas fundamental and common to all well-educated individuals. It is embedded in and enhanced by courses throughout the specific program of studies offered by this section, including the Bachelor of Science in the biological sciences and the Associate of Science in science. This experience encourages students to develop the ability to represent views clearly and cogently, analyze, think critically, and formulate reasoned conclusions.

OVERVIEW

The biological sciences are undergoing an extraordinary revolution, and the plans of study are formulated to give students a broad basis for comprehending the diverse nature of this field. Biology builds upon this knowledge and tries to understand the complex organization that gives rise to biological organizations and ultimately, to biological diversity. Our curriculum is designed so that this basic biological knowledge can readily be applied to critical practical problems in health and medicine, agriculture and the management of other renewable resources, and the nature of populations and their control.

The amount of information that is currently being discovered in the biological world is daunting, and we recognize that some students may want to focus within an area of specialization. Students begin our curriculum with a four-semester biology core. These courses provide a common knowledge base for all biology majors. The sequence begins with an overview of evolutionary, environmental, and organismal concepts, and then proceeds to examine relationships between development, structure, and function as adaptational mechanisms. The third and fourth semesters are concerned with cellular organization and function followed by genetic and molecular principles so important to modern biology.

Third and fourth year students have acquired a background in chemistry, mathematics and physics in addition to the
common body of biological knowledge and laboratory skills. Students must take courses in four areas of Biology: Molecular and Cellular, Structure & Function, Evolution, and Ecology & Environmental. Students have considerable leeway in choosing courses from these groups and this allows students to pursue their interests within the broadly defined areas. This system promotes and reinforces an understanding of the breadth of modern biology. However, in some pre-professional programs (Preveterinary Medicine, Predentistry) or Biology Major options (Microbiology, Ecology), some courses are required for graduation and this somewhat restricts choices. All majors must complete a minimum of 15 credit hours of upper division courses exclusive of BIOL 407 (Capstone) and x95 (special assignments or research) courses. At least one of these courses must have a formal laboratory component and at least one must be a 500 level biology course. If minimal requirements are met, approximately 13 credit hours of electives remain to meet the 124 credit hours mandated by Purdue University for a Bachelor of Science Degree. Majors are encouraged to take additional elective courses or participate in research to increase their knowledge or expertise in Biological Science.

In addition, undergraduate research is emphasized, so that all students have an opportunity to perform independent research. Research develops scientific skills and hones critical thinking. Students participating in this program may write an undergraduate honors thesis; present their findings at local, state, regional and national scientific meetings; or be published as co-authors on papers in scientific journals.

Finally, the Biology and Chemistry Department has developed a student-centered environment to enable all students to succeed. In the first semester, students take a resources and problem-solving (freshman experience) seminar that is coordinated with the first-semester biology lecture and lab course, BIOL 121 and 116. This seminar facilitates a student's transition from high school to the university setting. Graduating seniors must participate in the senior Capstone Experience seminars in the spring of their senior year. This seminar is a synthesis course designed to utilize a student's knowledge and skills to critically analyze current scientific research. This course is also used by the faculty to access and improve the curricular components of the biology degree program.

SPECIAL PROGRAMS AND OPPORTUNITIES

Special Assignments (BIOL X95).

Students who would like to undertake special study in areas not available through formal course work offered by the section are strongly encouraged to contact a faculty member whose work is in the area of their interest and arrange to enroll in special assignment courses: BIOL 295, 395 or 495. The special study can be: directed readings; independent study, undergraduate research; supervised library, laboratory, or field work; or discussions. Credit will be given for the work, and a title of the area investigated will appear on the transcript. These courses can be repeated for credit. Undergraduate research is emphasized and encouraged at Purdue University North Central.

National Biology Honor Society.

In 1998, Purdue University North Central was granted a local chapter (XI RHO) of the Beta Beta Beta honor society. It is for students, particularly undergraduates, dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research. Since its founding in 1922, more than 145,000 persons have been accepted into lifetime membership, and more than 380 chapters have been established throughout the United States and Puerto Rico.

Undergraduate Research.

Students are strongly encouraged to become involved in undergraduate research or independent studies (i.e. BIOL 295, 395, 495, 595). Contact a Biology/Chemistry faculty member for specific information about these opportunities. Undergraduate research and independent study courses are listed as: BIOL 295, 395, 495, and 595. These courses are for 1 to 4 credit hours per semester.

PROFESSIONAL OPPORTUNITIES

Purdue educated biologists function in many ways: as technicians, technologists, and scientists in industry, government, hospitals, and academic institutions; as teachers in high schools and community colleges; and, given additional talents and training, as science writers, editors, illustrators, and sales personnel in pharmaceutical, hospital, and scientific supply industries. Many graduates later earn a Master of Science or Ph.D. degree, preparing them for positions that involve teaching and research in universities or in industrial or medical laboratories. A basic education in biology is good preparation for advanced work in various aspects of applied pharmacy, agriculture, dentistry, medicine, genetic counseling, marine biology, optometry, veterinary medicine, behavioral sciences, biomedical and environmental engineering, forestry, and wildlife, range, and water management.
GENERAL GRADUATION REQUIREMENTS FOR BACHELOR OF SCIENCE IN BIOLOGY

- Completion of the specified plan of study.
- Minimum of 124 semester hours completed as specified by the plan of study.
- Completion of at least 32 semester hours of Purdue University credit approved for the degree; these courses are expected to be at the 300 level or above.
- A 2.0 grade point average in all biology and biology elective courses required for the degree. This includes courses outside of biology (e.g., botany, forestry and natural resources).
- A minimum graduation index of 2.0.

It is the student’s responsibility to know and follow the specified degree plan of study. Failure to do so will delay or prevent graduation.

If the student is interested in transferring to another university, it is the student’s responsibility to contact the university of interest relative to admissions, transferability, and degree requirements.

GENERAL DEGREE REQUIREMENTS

The biology core consists of courses required of all undergraduate majors. The sequence begins with the Freshman Experience Seminar in conjunction with an overview of the evolutionary development of organismal diversity and ways organisms interact with their environment and each other. That is followed by a course that introduces the principles of plant and animal development and explores the relationship between their structure and function. The third course includes the study of how cells are structurally organized and how they function. Students are then introduced to the principles of genetics and the molecular mechanisms of gene expression, mutation and replication. Finally, in the senior year, students are given the opportunity to solve real world problems via the Senior Capstone Experience seminar.

In addition to the course and elective biology courses, students majoring in biology must take certain courses in chemistry, mathematics, and physics, as well as English, foreign language, humanities, and the social sciences. In meeting the various requirements, a student fulfills the School of Science graduation requirements.

A student wishing to graduate with a degree in biology must have a 2.0 grade point average in all biology and biology elective courses required for his or her major or specialization. This may include courses outside of the biological sciences if such courses fulfill biology or biology elective requirements for that major or specialization (e.g. botany, forestry and natural resources).

Students majoring in the biological sciences have the choice of focusing or broadening their education by the selection of electives; courses are offered in many aspects of biology. Usually, students take these specialized courses after the sophomore year. It is advantageous for a student to decide by the sophomore year what aspect of the biological sciences he or she wants to emphasize in order to begin the correct sequence of courses required by each major.

Course Requirements: For ALL Biology Majors

The following courses are required for all degrees and concentrations in the biological sciences. In addition, a block of special courses is required for each concentration.

- A minimum of 124 total credits are necessary to graduate. This must include:
  - At least 32 credit hours of Purdue University (non-transfer) credit.
  - At least 32 credit hours at the 300 level or above
  - 2.0 grade point average in all Biology courses.
  - A minimum graduation index of 2.0.

Physics (8 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>PHYS 220</td>
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</tr>
<tr>
<td>PHYS 221</td>
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Mathematics (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>MA 223</td>
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<tr>
<td>MA 224</td>
<td>3</td>
</tr>
<tr>
<td>STAT 503</td>
<td>3</td>
</tr>
</tbody>
</table>

Alternatively,...

Purdue University North Central 2008-2009
MA 167, 169 & CS 220 or
STAT 503

General Education (42 credits)

3 ENGL 101 English Composition I
3 ENGL 102 English Composition II
3 FL 101 Foreign Language I
3 FL 102 Foreign Language II
3 FL 201 Foreign Language III
3 FL 202 Foreign Language IV
1 BIOL 114 Freshman Experience Seminar
2 BIOL 407 Senior Capstone Experience

One of the following:
3 CS 220 Programming for Engineers and Scientists
3 C&IT 175 Visual Programming

Group A (6 credits; select one two course series)
6 HIST 151/152 American History to 1877/United States Since 1877
6 ENGL 255/256 World Literature: From the Beginnings to 1700 A.D./World Literature: From 1700 A.D. to the Present
6 ENGL 350/351 Survey of American Literature: From Its Beginnings to 1865/Survey of American Literature: From 1865 to the Post-World War II Period
6 IDIS 435/436 Great Issues I/Great Issues II

Group B
3 PSY 120 Elementary Psychology
3 SOC 100 Introductory Sociology

Group C (6 credits; select two)
3 POL 101 American Government and Politics
3 ECON 210 Principles of Economics
3 PHIL 110 Introduction to Philosophy
3 COM 114 Fundamentals of Speech Communication
3 ANTH 100 Introduction to Anthropology

Chemistry (20 credits)
4 CHM 115 General Chemistry
4 CHM 116 General Chemistry
4 CHM 255/255L Organic Chemistry & Lab
4 CHM 256/256L Organic Chemistry & Lab
4 CHM 321 Analytical Chemistry I

If you also take CHM 372, Physical Chemistry (4 credits), you can obtain a minor in chemistry.

Biology Core (21 credits)
3 BIOL 121/116 Biology I: Diversity, Ecology and Behavior & Lab
4 BIOL 131/118 Biology II: Development, Structure and Function & Lab
5 BIOL 231/232 Biology III: Cell Structure and Function & Lab
5 BIOL 241/242 Biology IV: Genetics and Molecular Biology & Lab
4 BIOL 286/288 Introduction to Ecology & Evolution & Lab
ADDITIONAL REQUIREMENTS

General Biology Major (15+ credits excluding BIOL x95 courses)
Choose at least one from each of the groups below, at least one laboratory course, and at least one 500 level biology course.

Molecular and Cellular
3 BIOL 322  Microbiology
2 BIOL 323  Lab in Microbiology
3 BIOL 415  Molecular Biology
3 BIOL 417  Biotechnology
4 BIOL 423  Physical Principles of Biological Chemistry
3 BIOL 529  Bacterial Physiology
3 BIOL 533  Medical Microbiology
2 BIOL 534  Lab in Medical Microbiology
3 BIOL 537  Immunobiology
3 CHM 333  Biochemistry
3 CHM 420  Molecular Biochemistry Laboratory
3 CHM 533  Biochemistry

Structure & Function
5 BIOL 404  Gross Anatomy
3 BIOL 455  General & Comparative Physiology
1 BIOL 456  Lab in Gen & Comp Physiology
3 BIOL 466  Developmental Biology
3 BIOL 492  Mycology
4 BIOL 513  Advanced Human Anatomy
3 BTNY 210  Intro to Plant Sciences

Evolution
3 BIOL 311  Evolution
3 BIOL 433  Intro to Population Genetics
3 BIOL 495  Biogeography
3 BIOL 592  Evolution of Behavior
3 BIOL 597  Sex and Evolution

Ecology & Environmental
3 BIOL 385  Ecology
3 BIOL 483  Environmental & Conservation Biology
3 BTNY 555  Aquatic Botany
3 FNR 501  Limnology
3 FNR 540  Wetlands Ecology

Other upper-level courses may be available; check with your advisor.

Free Electives (approximately 9 credits)
Additional upper-level biology courses are encouraged.
Ecology Concentration (General Biology Major including the following courses:)

**Required**
- 3 BIOL 311 Evolution
- 3 BIOL 385 Ecology
- 3 FNR 501 Limnology
- 3 BTNY 555 Aquatic Botany
- 3 FNR 540 Wetland Ecology

**Recommended**
- 5 BIOL 322/323 Microbiology & Lab
- 3 BIOL 592 The Evolution of Behavior
- 3 BIOL 597 Sex and Evolution
- 3 CHM 333 Introductory Biochemistry

Other upper-level courses may be available; check with your advisor.

Microbiology Concentration (General Biology Major including the following courses:)

**Required**
- 5 BIOL 322/323 Microbiology & Lab
- 5 BIOL 533/534 Medical Microbiology & Lab
- 4 BIOL 531 Parasitology
- 3 BIOL 537 Immunobiology

**Recommended**
- 3 BIOL 580 Evolution
- 3 CHM 333 Introductory Biochemistry

Other upper-level courses may be available; check with your advisor.

Predentistry Concentration (General Biology Major including the following courses:)

See General Biology Major Groups

**Required**
- 5 BIOL 404 Gross Anatomy
- 4 BIOL 455/456 Animal Physiology & Lab or
- 4 BIOL 410 Human Physiology
- 3 CHM 333 Introductory Biochemistry

**Recommended**
- 5 BIOL 322/323 Microbiology & Lab
- 5 BIOL 533/534 Medical Microbiology & Lab

Other upper-level courses may be available; check with your advisor.

Premedicine Concentration (General Biology Major including the following courses:)

See General Biology Major groups

5 BIOL 404 Gross Anatomy
4 BIOL 410 Human Physiology
5 BIOL 322/323 Microbiology & Lab
5 BIOL 533/534 Medical Microbiology & Lab
5 BIOL 537 Immunobiology
3 CHM 333 Introductory Biochemistry
3 BIOL 415 Molecular Biology
Preveterinary Medicine Concentration
(General Biology Major including the following courses:)
See General Biology Major groups

Required
3 ECON 210 Principles of Economics
3 COM 114 Fundamentals of Speech Communication
3 CHM 333 Introductory Biochemistry
5 BIOL 322/323 Microbiology & Lab
5 BIOL 404 Gross Anatomy
4 BIOL 455/456 Animal Physiology & Lab or
4 BIOL 410 Human Physiology
Other upper-level courses may be available; check with your advisor.

Associate of Science Degree with Emphasis in Certain Science and Engineering Fields
Total credits required for associate degree: 64, distributed as follows:

CORE REQUIREMENTS (43 CREDITS)
9 Written and Oral Communication
9 Mathematics (Calculus Level)
16 Science
3 Computer
6 Humanities and Social Sciences

PROFESSIONALLY PERTINENT ELECTIVES (21 CREDITS)
Electives include sophomore level discipline-specific courses such as science, mathematics, or engineering courses, as well as other general education courses such as foreign language sequences if these are required in the student's four-year plan of study.
Students who plan to transfer to other colleges or universities should contact an academic advisor at the other institution regarding the program requirements.

CONTINUING BEYOND THE ASSOCIATE OF SCIENCE DEGREE
Biology majors can continue with the Bachelor of Science program in biology on the Purdue North Central campus. Others may be able to complete a baccalaureate degree in Liberal Studies or other disciplines at Purdue North Central.
**SAMPLE PLANS OF STUDY: ASSOCIATE OF SCIENCE DEGREE**

**Biology Concentration**

If you have had a foreign language (FL) in high school, you may be able to earn some FL credit by taking a credit exam.

**Freshman Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>3 ENGL 101 English Composition I</td>
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</tr>
<tr>
<td>1 BIOL 114 Freshman Experience Seminar</td>
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<tr>
<td>3 BIOL 121/116 Biology I: Diversity, Ecology and Behavior</td>
<td>3</td>
</tr>
<tr>
<td>4 CHM 115 General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>3 MA 223 Introductory Analysis I</td>
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<td>General Ed. Foreign Languages, Humanities or Social Sciences</td>
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<th>Credits</th>
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<tbody>
<tr>
<td>3 ENGL 102 English Composition II</td>
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</tr>
<tr>
<td>4 BIOL 131/118 Biology II: Development, Structure and Function of Organisms</td>
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<tr>
<td>4 CHM 116 General Chemistry</td>
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</tr>
<tr>
<td>3 MA 224 Introductory Analysis II</td>
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**Sophomore Year**

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<td>3 STAT 503 Statistical Methods for Biology</td>
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<tr>
<td>5 BIOL 231/232 Biology III: Cell Structure &amp; Function</td>
<td>5</td>
</tr>
<tr>
<td>4 CHM 255/255L Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>3 COM 114 Fundamentals of Speech Communication</td>
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<tbody>
<tr>
<td>5 BIOL 241/242 Biology IV: Genetics &amp; Molecular Biology</td>
<td>5</td>
</tr>
<tr>
<td>4 CHM 256/256L Organic Chemistry</td>
<td>4</td>
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<td>General Ed. Foreign Languages, Humanities or Social Sciences</td>
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<tr>
<td>3 CS 220 Programming I for Engineers and Scientists</td>
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**Chemistry Concentration**

If you have had a foreign language (FL) in high school, you may be able to earn some FL credit by taking a credit exam.

**Freshman Year**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>3 ENGL 101 English Composition I</td>
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</tr>
<tr>
<td>5 MA 167* Plane Analytic Geometry &amp; Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>4 CHM 115 General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>General Ed. Foreign Languages, Humanities or Social Sciences</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
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</table>
Second Semester
3 ENGL 102 English Composition II
5 MA 169* Plane Analytic Geometry & Calculus II
4 CHM 116 General Chemistry
4 PHYS 152 Mechanics
16

Sophomore Year

Third Semester
3 COM 114 Fundamentals of Speech Communication
4 CHM 261/263 Organic Chemistry
4 MA 261 Multivariate Calculus
3 General Ed Foreign Languages, Humanities or Social Sciences
14

Fourth Semester
4 CHM 262/264 Organic Chemistry
4 MA 262 Linear Algebra and Differential Equations
5 PHYS 251 Heat, Electricity and Optics
3 CS 220 Programming I for Engineers and Scientists
16

*MA 161 and MA 162 are taught on the Purdue West Lafayette campus; MA 167 is equivalent to MA 161 and MA 169 is equivalent to MA 162.

Engineering Concentration
See Technology Academic Advisor

Mathematics Concentration
If you have had a foreign language (FL) in high school, you may be able to earn some FL credit by taking a credit exam.

Freshman Year

First Semester
5 MA 167* Plane Analytic Geometry & Calculus I
3 ENGL 101 English Composition I
4 Laboratory Science
3 Humanities or Social Sciences Elective
15

Second Semester
5 MA 169* Plane Analytic Geometry & Calculus II
3 ENGL 102 English Composition II
4 Laboratory Science
3 Humanities and Social Science Elective
15
Sophomore Year

Third Semester
4  MA 261  Multivariate Calculus
4  Laboratory Science
3  Professionally Pertinent Elective
3  COM 114  Fundamentals of Speech Communication
3  CS 220  Programming I for Engineers and Scientists
__
17

Fourth Semester
4  MA 262  Linear Algebra and Differential Equations
3  MA 351  Elementary Linear Algebra
4  Laboratory Science
6  Professionally Pertinent Elective
__
17

*MA 161 and MA 162 are taught on the Purdue West Lafayette campus; MA 167 is equivalent to MA 161 and MA 169 is equivalent to MA 162.

Physics Concentration
If you have had a foreign language (FL) in high school, you may be able to earn some FL credit by taking a credit exam.

Freshman Year

First Semester
5  MA 167*  Plane Analytic Geometry & Calculus I
3  ENGL 101  English Composition I
4  CHM 115  General Chemistry
3  Humanities or Social Sciences Elective
__
15

Second Semester
5  MA 169*  Plane Analytic Geometry & Calculus II
3  ENGL 102  English Composition II
4  CHM 116  General Chemistry
4  PHYS 152  Mechanics
__
16

Sophomore Year

Third Semester
4  MA 261  Multivariate Calculus
5  PHYS 251  Heat, Electricity, and Optics
3  CS 220  Programming I for Engineers and Scientists
3  COM 114  Fundamentals of Speech Communication
3  Professionally Pertinent Electives
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18
### Fourth Semester

<table>
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<tr>
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<td>Linear Algebra and Differential Equations</td>
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<td>PHYS 342</td>
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</tbody>
</table>

*MA 161 and MA 162 are taught on the Purdue West Lafayette campus; MA 167 is equivalent to MA 161 and MA 169 is equivalent to MA 162.

### Statistics Concentration

If you have had a foreign language (FL) in high school, you may be able to earn some FL credit by taking a credit exam.

### Freshman Year

#### First Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<td>Plane Analytic Geometry and Calculus I</td>
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<tr>
<td>ENGL 101</td>
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### Sophomore Year

#### First Semester

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<tr>
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<td>Multivariate Calculus</td>
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<td>STAT 225</td>
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<td>Introduction to Probability</td>
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<td>STAT 350</td>
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<td>Introduction to Statistics</td>
</tr>
<tr>
<td>COM 114</td>
<td>3</td>
<td>Fundamentals of Speech Communication</td>
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#### Second Semester

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<td>Programming I for Engineers and Scientists</td>
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</tbody>
</table>

*MA 161 and MA 162 are taught on the Purdue West Lafayette campus; MA 167 is equivalent to MA 161 and MA 169 is equivalent to MA 162.

**Students should strongly consider taking at least one of the following as a Professional Pertinent Elective: STAT 361, STAT 362 or STAT 363.
**Technology-Physics Concentration**

If you have had a foreign language (FL) in high school, you may be able to earn some FL credit by taking a credit exam.

### Freshman Year

**First Semester**

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
<th>Description</th>
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<td>MA 167*</td>
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<td>4</td>
<td>CHM 115</td>
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<td>3</td>
<td>MET 141</td>
<td>Materials I</td>
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<td>3</td>
<td>CGT 110</td>
<td>Computer Graphics Communication</td>
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**Second Semester**

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<th>Units</th>
<th>Course</th>
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<tbody>
<tr>
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<td>General Chemistry</td>
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<td>Mechanics</td>
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### Sophomore Year

**Third Semester**

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<td>MA 261</td>
<td>Multivariate Calculus</td>
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<tr>
<td>5</td>
<td>PHYS 251</td>
<td>Heat, Electricity, and Optics</td>
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<tr>
<td>3</td>
<td>MET 242</td>
<td>Manufacturing Processes II</td>
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<td>3</td>
<td>COM 114</td>
<td>Fundamentals of Speech Communication</td>
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<td>Humanities or Social Sciences Elective</td>
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<td>3</td>
<td>CS 220</td>
<td>Programming I for Engineers and Scientists</td>
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</table>

*MA 161 and MA 162 are taught on the Purdue West Lafayette campus; MA 167 is equivalent to MA 161 and MA 169 is equivalent to MA 162.
Associate of Science Degree in Building Construction Management Technology

This program prepares students to become professional contractors-managers of the construction process. The program emphasizes the management of the people, money, machines, and materials with which structures are built. It stresses production rather than design, and management skills rather than craft skills.

Graduates are prepared to work for all types of contractors: residential, commercial, industrial, highway, heavy, mechanical, electrical, and specialty. Graduates also are prepared for work in both the field and the office. Experienced graduates fill positions such as job superintendent, estimator, scheduler, cost analyst, project manager and company executive.

Graduates of this program may continue their education toward the Bachelor of Science in Engineering Technology: Construction Technology (BCMT option) or the Bachelor of Science degree in Construction Engineering and Management Technology.

GENERAL PLAN OF STUDY: BUILDING CONSTRUCTION MANAGEMENT TECHNOLOGY

<table>
<thead>
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<td><strong>Second Semester</strong></td>
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<td>18</td>
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</tbody>
</table>
### Sophomore Year

#### Third Semester
3  BCM 112  Construction Surveying Fundamentals  
3  CET 260  Strength of Materials  
3  CET 266  Materials Testing  
3  COM 114  Fundamentals of Speech Communication  
3  MA 223  Introductory Analysis I  
**15**

#### Fourth Semester
3  BCM 212  Construction Layout  
3  BCM 270  Materials and Estimates  
3  MA 224  Introductory Analysis II  
3  MGMT 200  Introductory Accounting  
4  PHYS 220  General Physics I  
**16**

Total credits required for associate degree: 66

**Note to students pursuing the Bachelor of Science Degree:**  
(See BS-ET degree/BCMT Option plan of study, located under ENGINEERING TECHNOLOGY heading.)
Master of Business Administration

Program Objectives

- Prepare students for leadership positions as managers in a variety of organizational settings, allowing them to assume positions of new or greater managerial responsibility in core business processes.
- Accommodate students from a variety of undergraduate backgrounds such as social and natural sciences, arts and humanities, and from professional fields such as business, engineering, education and nursing.
- Allow students who are currently employed and intend to pursue the MBA while continuing to work full-time to complete the program within a reasonable time without sacrificing the quality of the program.

Description:
The Masters degree requires a minimum of 36 credit hours, consisting of the Core Courses (24 credit hours) and 4 additional graduate courses in business or related areas (12 credit hours).

Core Courses:

MGMT 601: Managerial Accounting
MGMT 612: Financial Management III
MGMT 622: Marketing Strategy
OBHR 633: Human Resource Management
MGMT 650: Strategic Management
MGMT 660: Operations Management
MGMT 671: Quantitative Methods II
MGMT 680: Information Technology

To qualify for the Core Program a student is expected to have a Bachelors Degree in Business or the equivalent that includes the following course work:

- 6 hours of economics
- 6 hours of accounting
- 3 hours of financial management
- 3 hours of marketing
- 3 hours of business law
- 3 hours of organizational behavior
- 6 hours of quantitative methods
- 6 hours of college-level mathematics

Students lacking this background will be required to take additional course work to provide a foundation for the course work required in the core program. This may include any or all of the following courses:
Prerequisite Courses (21 hours)
ECON 513: Economic Theory
MGMT 600: Financial Accounting I
MGMT 611: Financial Management II
MGMT 620: Marketing Management I
MGMT 630: Legal & Social Foundations of Management
MGMT 670: Quantitative Methods I
OBHR 681: Behavior in Organizations

A student with no prior course work in these areas will be able to complete the requirements for the MBA in 45 credit hours by taking both the foundation courses and the core courses.

Admissions Requirements and Application procedure
In order to be admitted to the Purdue North Central MBA Program, a student must:

• Hold a bachelor's degree from a regionally accredited college or university
• Student whose native language is not English must take the Test of English as a Foreign Language (TOEFL) and score at least 550

Applicants are also asked to submit the following information:

• Official transcripts from any previous college or university
• Graduate Management Admissions Test (GMAT) scores

A candidate that does not meet admission standards may be granted conditional entry into the program, which involves:

• Writing a “Statement of Purpose” which would be supervised and evaluated by an MBA faculty member at an “on campus” location.
• After conditional admission, maintaining a “B” average during the first 12 hours (four courses) of the MBA Program, with no more than one “C” during this time.

Students need to demonstrate a basic level of familiarity with mathematics prior to being admitted. Students who lack this background may be admitted to the program with the understanding that they will take an appropriate course. Prospective students should contact the Admission Coordinator for the MBA Program to determine if their academic background is sufficient to meet the Mathematics requirement.

Selection of candidates will be based upon information from official transcripts, GMAT scores, and as necessary TOEFL scores.

Applicants for graduate degrees must apply online for graduate study at Purdue North Central at https://app.applyyourself.com/?id=purduegrad. Application deadline is August 15th. Students begin taking classes in the Fall (October) Module.

If you have any questions about the MBA Program please contact us. The College of Business Office is located on the Westville Campus at 1401 S. US 421. The Office is on the First Floor of the Technology Building, which is the Southern most building on Campus.

Janet Knight, MBA Program Coordinator
Technology Building, Room 190
Email: jknight@pnc.edu
Phone: 219-785-5557

Admissions Office: 219-785-5505
Financial Aid: 219-785-5493
PNC-Porter County: 219-531-6500
Bachelor of Science in Business

Purdue North Central offers a Bachelor of Science Degree in Business with concentrations in:

- Accounting
- Economics
- Management
- Marketing

The Bachelor of Science in Business has been designed to prepare students for positions of authority in enterprises that engage in a wide range of activities. Business students develop a broad perspective of the business organization and the economic environment in which it operates, accompanied by the opportunity to concentrate in areas including Accounting, Economics, Management or Marketing. A distinctive and flexible general education component establishes a broad educational foundation that facilitates long term professional development skills that respond to changing employment opportunities.

The 126 credit hour Bachelor of Science in Business devotes 36 credit hours to business and related core areas, and 30 credit hours to an area of concentration. The remaining 60 credit hours are comprised of core skills areas and general education electives, intended to provide the breadth of background needed for long-term career development.

Students work with a faculty advisor to develop a program of study that reflects their own interests within business and in other fields. They can also develop a personalized concentration to fit their interests. In order to complete the plan of study and receive a Bachelor of Science within four years, students should plan on taking 15 credit hours per semester for 6 semesters, and 18 credit hours for an additional two semesters. However, the plan of study is flexible in accommodating both full-time and part-time students during the day, evening and summer sessions.

**PROGRAM REQUIREMENTS: BACHELOR OF SCIENCE IN BUSINESS**

In order to fulfill the requirements for a Bachelor of Science degree in Business, students must complete all of the requirements in five sections outlined below: core skills, general education, business core, area of concentration, and free electives. In addition, all students pursuing a BS degree in business, regardless of the concentration, must achieve at least a “C” in all prerequisite and core business courses as well as concentration courses. In addition, in order to graduate, students must maintain a GPA of 2.0 or above (“C” average).

**Core Skills Requirements**

- ENGL 101 English Composition I
- ENGL 102 English Composition II
- COM 114 Fundamentals of Speech Communications/Writing Elective
- MA 153 Algebra and Trigonometry I
- STAT 213 Probability and Decision Theory
- C&IT 107 Computer Literacy

**General Education Requirements**

- Aesthetic Awareness Elective
- Western Heritage Elective (2)
- Natural Science Elective (2)
- Cultural/Social/Behavioral Elective (2)
- United States Tradition Elective (2)
- General Education Elective (3)

**Common Business Core**

- OLS 252 Human Relations in Organizations
- GBG 260 Business Law
- MGMT 200 Financial Accounting
- MGMT 201 Managerial Accounting
- GBA 228 Financial Accounting II
ECON 251 Micro-economics
ECON 252 Macro-economics
GBM 329 Principles of Marketing
GBG 333 Business Finance
GBG 351 Organization and Management

All Concentrations Except Accounting
STAT 301 Elementary Statistics
GBI 301 International Business
GBG 405 Business Strategy

Accounting Concentration
GBA 340 Intermediate Acct I
GBA 341 Intermediate Acct II
Quantitative/Computing Elective

Plus: an area of concentration consisting of five courses from the following lists OR a personalized concentration which has been approved by the faculty advisor

Bachelor of Science in Business - Concentrations

Accounting Concentration
5 upper level courses in Accounting (300 or 400) with Department approval

Economics Concentration
ECON 301 Managerial Economics
ECON 302 Business Conditions Analysis
3 upper-level courses in Economics (300 or 400)

Management Concentration
GBG 352 Organization and Management II
GBG 353 Organization and Environment
GBG 354 Management Information Systems
IET 352 Operations Management
Any 300 level course in the College of Business

Marketing Concentration
GBM 318 Principles of Advertising
GBM 325 Marketing Research
GBM 385 Consumer Behavior
GBM 388 Principles of Retailing
GBM 400 Marketing Management

No Concentration
A selection of any 5 upper level (300 and 400) courses within the Department of Business which meets a student's interest, with consent of faculty advisor.

Double Concentration
With careful planning and a minimum of extra courses, it is possible for a student to obtain a double concentration. A Department of Business advisor would be happy to work with you to develop a suitable plan of study.

Bachelor of Science in Business – free electives
5 electives of the student's choice
Associate of Science in Business


The primary goal of the Associate of Science in Business is to provide students with entry-level skills in a variety of business disciplines or for preparation to enter one of the four Bachelor of Science in Business options. The 63 credit hour Associate of Science in Business devotes 33 credit hours to business and related areas, including a common business core and 9 credit hours of electives. The remaining credit hours are comprised of core skills areas and general education electives. In order to complete the plan of study and receive an Associate of Science within two years, students should plan on taking 15 credit hours per semester for 3 semesters and 18 credit hours for one additional semester. However, the program requirements is flexible in accommodating both full-time and part-time students during the day, evening and summer sessions.

PROGRAM REQUIREMENTS: ASSOCIATE OF SCIENCE IN BUSINESS

General Education and Core Skills Requirements (30 credit hours)
- ENGL 101 English Composition I
- ENGL 102 English Composition II
- COM 114 Fundamentals of Speech
- MA 153 Algebra and Trigonometry
- STAT 213 Probability and Decision Theory
- C&IT 107 Computer Literacy
- Aesthetic Awareness Elective
- Western Heritage or United States Tradition Elective
- Natural Science Elective
- Cultural/ Social/Behavioral Elective

Business Core (33 credit hours)
- GBG 127 Introduction to Business
- OLS 252 Human Relations in Organizations
- GBG 260 Business Law
- MGMT 200 Financial Accounting
- MGMT 201 Managerial Accounting
- ECON 251 Microeconomics
- ECON 252 Macroeconomics or
- GBA 228 Principles of Accounting II
- GBM 329 Principles of Marketing
- Electives (3)

Note: All courses required for the Associate of Science in Business count towards the Bachelor of Science in Business with the possible exception of the electives in the Business Core. Please check with the Business Department Advisor before registering for these elective courses.
BUSINESS INTERNSHIP OPPORTUNITY

Internship experiences are to be unique learning experiences. Internships are intended to complement the concentration of the student and broaden the student learning experiences. Each student who intends to take this class must submit an application to the business faculty member they wish to have as their coordinator for the internship. This application and faculty approval must be received prior to the start of the actual coursework.

Students must have completed a minimum of 60 hours of academic coursework, a 3.0 GPA, and at least junior status. Any exceptions to the listed requirements must be approved by the instructor and the department chairperson.

Credit can be given for up to 3 hours of academic credit per semester with a maximum of 6 credits for internships in the Bachelor of Science in Business degree. All internships for credit in the Department of Business must have a business faculty member as instructor.

An internship is offered as a pass/no pass option. However, the student, with the consent of their instructor, may elect to earn a letter grade for the semester. A final report based on the internships must be submitted before the final grade can be recorded by the instructor.
Civil Engineering Technology

Associate of Science Degree in Civil Engineering Technology

An Associate of Science degree in Civil Engineering Technology prepares students for employment with land surveyors, highway departments, contractors, city engineering offices and engineering consultants. Among many possible positions are topographer, structural drafterperson, and steel and concrete laboratory technicians. With additional experience, graduates move into supervisory or management positions. Most jobs in this field require some outdoor work, so this may be a wise choice for students who enjoy working outside.

The surveying courses begin with basic operation and use of equipment and progress through route surveying, land surveying and subdivision. Other groups of courses consider structural systems, materials, strength of materials, and specifications and estimating. To broaden the technician’s ability to communicate in words and figures, courses in mathematics, physical science and communicative skills are required.

Graduates of this program may continue their education toward the Bachelor of Science degree in Engineering Technology: Construction Technology (CET Option) or the Bachelor of Science degree in Construction Engineering and Management Technology.

General Plan of Study: Civil Engineering Technology

Freshman Year

First Semester

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<td>ART 299A</td>
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<td>BCM 100</td>
<td>Introduction to Construction</td>
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<tr>
<td>3</td>
<td>CGT 110</td>
<td>Technical Graphics Communications</td>
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<tr>
<td>3</td>
<td>C&amp;IT 127</td>
<td>Microcomputer Spreadsheet Applications</td>
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<td>ENGL 101</td>
<td>English Composition I</td>
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<td>3</td>
<td>MA 153</td>
<td>Algebra and Trigonometry I</td>
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Second Semester

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<tr>
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<td>Construction Materials &amp; Systems</td>
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<td>CGT 290A</td>
<td>Computer-Aided Drafting and Design</td>
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<td>ENGL 102</td>
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<td>3</td>
<td>MA 154</td>
<td>Algebra and Trigonometry II</td>
</tr>
<tr>
<td><strong>18</strong></td>
<td></td>
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</tr>
</tbody>
</table>
### Sophomore Year

#### Third Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCM 112</td>
<td>Construction Surveying Fundamentals</td>
</tr>
<tr>
<td>CET 260</td>
<td>Strength of Materials</td>
</tr>
<tr>
<td>CET 266</td>
<td>Materials Testing</td>
</tr>
<tr>
<td>COM 114</td>
<td>Fundamentals of Speech Communication</td>
</tr>
<tr>
<td>MA 223</td>
<td>Introductory Analysis I</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

#### Fourth Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>BCM 212</td>
<td>Construction Layout</td>
</tr>
<tr>
<td>BCM 270</td>
<td>Materials and Estimates</td>
</tr>
<tr>
<td>CET 253</td>
<td>Hydraulics &amp; Drainage</td>
</tr>
<tr>
<td>MA 224</td>
<td>Introductory Analysis II</td>
</tr>
<tr>
<td>PHYS 220</td>
<td>General Physics I</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

Total credits required for associate degree: 66

**Note to students pursuing the Bachelor of Science Degree:**

(See BS-ET degree/CET Option plan of study, located under ENGINEERING TECHNOLOGY heading.)
Bachelor of Arts in Communication

The Bachelor of Arts in Communication offers students the opportunity to prepare for a wide range of careers where effective oral and written communication is essential. By combining a study of communication theory and research with an emphasis on performance, communication majors will see improvement in critical thinking, research, writing, team, interpersonal, and public speaking skills. Graduates of the program may find work in such diverse areas as organizational development, broadcasting and public relations. Internship opportunities are available to qualified students that will allow them to network with professionals while continuing to build their communication skills.

126 total credit hours are required. 24 of those hours will be core communication courses and 9 will be other communication courses of the student choosing (of which two must be 300 level or higher). The remaining courses will be general education requirements (51 credits) and elective courses.

**General Education core:**

6  English Composition
3  Speech Communication
3  Modern Languages (French, German, Spanish or ASL at the fourth level)
6  Mathematics and Statistics
6  Natural Science
3  Western Heritage
3  United States Tradition
3  Other Cultures
3  Aesthetic Awareness
3  Racial and Ethnic Diversity
3  Gender Issues
3  Individual and Society
3  Social Ethics
3  Global Perspective

**Communication core:**

3  COM 204 Critical Perspectives on Communication
3  COM 212 Approaches to the Study of Interpersonal Communication
3  COM 250 Mass Communication & Society
3  COM 300 Introduction to Communication Research Methods
3  COM 314 Advanced Presentational Speaking
3  COM 318 Principles of Persuasion
3  COM 324 Introduction to Organizational Communication
3  COM 435 Communication & Emerging Technologies

24

The following is a sample curriculum for the program majors:
### Freshman Year

#### First Semester
- 3 COM 114 Fundamentals of Speech Communication
- 3 ENGL 101 English Comp I
- 3 Core requirement
- 3 Core requirement
- 3 Core requirement
- 15

#### Second Semester
- 3 COM 212 Approaches to the Study of Interpersonal Communication
- 3 ENGL 102 English Composition II
- 3 Core requirement
- 3 Core requirement
- 3 Core requirement
- 15

### Sophomore Year

#### Third Semester
- 3 COM 204 Critical Perspectives on Communication
- 3 COM 250 Mass Communication & Society
- 3 Core requirement
- 3 Core requirement
- 3 Elective or minor
- 15

#### Fourth Semester
- 3 First additional course in major
- 3 COM 314 Advanced Presentational Speaking
- 3 Core requirement
- 3 Core requirement
- 3 Elective or minor
- 15

### Junior Year

#### Fifth Semester
- 3 COM 318 Principles of Persuasion
- 3 COM 324 Introduction to Organizational Communication
- 3 Core requirement
- 3 Elective or minor
- 3 Elective
- 15
Sixth Semester
3  COM 300  Introduction to Communication Research Methods
3  Second additional course in major
3  Core requirement
3  Elective or minor
3  Elective or minor
3  Elective
18

Senior Year

Seventh Semester
3  COM 435  Communication and Emerging Technologies
3  Third additional course in major
3  Elective or minor
3  Elective
3  Elective
15

Eighth Semester
3  Elective or minor
3  Elective
3  Elective
3  Elective
3  Elective
3  Elective
18

Total credit hours required for degree: 126

INTERNSHIP OPPORTUNITY FOR COMMUNICATION MAJORS

Communication 490/Internship in Communication
The internship is a career development concept that involves placing students in off-campus work assignments. The work assignment is closely related to the student's course of study and his/her professional goals. The internship must also contribute to the objectives of the participating employer. Participating students must be in good academic standing at the University (have and maintain at least a 3.0/4.0 GPA). Up to three hours of academic credit may be earned in a single semester with a maximum of six internship credit hours overall.

Business/Professional Communication Certificate
This certificate provides an opportunity for students to participate in a practical program of study that focuses on strengthening written and oral occupational skills. It is offered at the North Central campus in conjunction with the College of Liberal Arts of Purdue University at West Lafayette.

Accepted students will have the chance to expand their knowledge in a variety of business areas, including small group communication, interviewing, public speaking, and technical writing. In addition, the final project will allow participants to apply what they have learned via a supervised internship at an approved site.

The program is open to current students who have completed 30 or more credit hours in a degree program or individuals employed in a position deemed academically equivalent by the certificate coordinator.
Credit for courses in the certificate program which have been earned in other degree programs will be accepted toward the certificate. Courses taken to fulfill certificate requirements may be applied toward requirements for associate and bachelor degrees.

**Requirements (15 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENGL 101</td>
<td>English Composition I</td>
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<tr>
<td>ENGL 102</td>
<td>English Composition II or ENGL 421</td>
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<tr>
<td>COM 114</td>
<td>Fundamentals of Speech Communication</td>
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<tr>
<td>COM 204</td>
<td>Critical Perspectives on Communication</td>
</tr>
<tr>
<td>C&amp;IT 107</td>
<td>Computer Literacy</td>
</tr>
</tbody>
</table>

**Electives (choose 3)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENGL 304</td>
<td>Advanced Composition</td>
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<tr>
<td>ENGL 420</td>
<td>Business Writing</td>
</tr>
<tr>
<td>COM 315</td>
<td>Speech Communication of Technical Information</td>
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<td>COM 318</td>
<td>Principles of Persuasion</td>
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<td>COM 320</td>
<td>Small Group Discussion</td>
</tr>
<tr>
<td>COM 324</td>
<td>Introduction to Organizational Communication</td>
</tr>
<tr>
<td>COM 325</td>
<td>Interviewing: Principles and Practices</td>
</tr>
<tr>
<td>COM 415</td>
<td>Discussion of Technical Problems</td>
</tr>
<tr>
<td>COM 491</td>
<td>Special Topics in Communication</td>
</tr>
<tr>
<td>C&amp;IT 127</td>
<td>Microcomputer Spreadsheet Applications</td>
</tr>
</tbody>
</table>

**Terminal Project/Internship**

3 COM 490 Internship in Communication (A critical reflection and summary project based on the student's experience in a supervised internship at an approved site.)

Total credits required for certificate: 27 (12 of which many students will have taken in meeting other degree requirements.)
Bachelor of Science Degree in Computer & Information Technology

The Bachelor of Science degree in Computer & Information Technology (CIT) prepares students for careers in the information workforce with skills necessary to design and implement complex information systems and services in business and industry. Within the CIT program there are two areas of concentration that serve as options from which students can choose - the Information Systems and Technology (IST) option and the Networking (NET) option. A description of the junior and senior year requirements for each option follows. The freshman and sophomore year requirements for both the IST and NET options are found under the Associate of Science Degree in Computer & Information Technology.

Check Purdue North Central’s CIT webpage for possible changes to the curriculum since the printing of this catalog.

GENERAL PLAN OF STUDY: INFORMATION SYSTEMS AND TECHNOLOGY (IST) OPTION

Information systems workers include systems analysts who identify business requirements and design appropriate information system solutions, systems integrators who build information system solutions using components supplied by different vendors, database administrators who organize and manage the data resources of an organization, and systems consultants who work as information systems knowledge providers. The IST option provides educational experiences to produce these types of information systems professionals. Some of the objectives of the Information Systems and Technology option include:

- Gaining an understanding of information systems and the ability to analyze and develop them
- Understanding the differences between traditional systems development methods and newer object-oriented methods
- Understanding and performing basic data modeling techniques, including the use of UML to create a system’s object models
- Using computer-aided systems engineering (CASE) technology
- Understanding and using the tools and techniques of project management.

Junior Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
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<tbody>
<tr>
<td>3 C&amp;IT 372</td>
<td>Database Programming</td>
</tr>
<tr>
<td>3 C&amp;IT 350</td>
<td>Object-Oriented Programming</td>
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<tr>
<td>3</td>
<td>Free Elective</td>
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<tr>
<td>3</td>
<td>Professional Speaking Selective</td>
</tr>
<tr>
<td>3</td>
<td>Interdisciplinary Selective</td>
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<tr>
<td>15</td>
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</tr>
</tbody>
</table>

Spring Semester
3  C&IT 384  Reqmts. Discovery & Modeling
3  Information Systems Selective
3  Liberal Arts Selective
3  Professional Writing Selective
3  Interdisciplinary Selective

Senior Year
Fall Semester
3  C&IT 480  Managing Info. Technology Projects
3  Information Systems Selective
3  Liberal Arts Selective
3  Interdisciplinary Selective
3  Interdisciplinary Selective

Spring Semester
3  C&IT 485  Topics in Info. Sys. & Technology
3  Information Systems Selective
3  Liberal Arts Selective
3  Interdisciplinary Selective
3  Interdisciplinary Selective

Note: a minimum grade of “C” is required in a prerequisite C&IT course before moving on to its post-requisite course(s). Also, a minimum grade point average of 2.00 calculated for all C&IT courses is required for graduating with any CIT degree. Students may only repeat a C&IT course a maximum of two times, including withdrawals.

CIT bachelor degree with the IST option: 121 credits required.

SELECTIVES: IST BACHELOR DEGREE OPTIONS
Check Purdue North Central’s CITwebpage for possible changes to the curriculum since the printing of this catalog.

1 Information Systems Selective
C&IT 304 - Operating Systems, C&IT 330 - LAN and Systems Administration, C&IT 361 - Software Redesign Using COBOL, C&IT 475 - Electronic Commerce and Business Implementation, C&IT 481 - Information Systems Management, or other 300 or above C&IT courses as approved by the CIT department.

1 Free Elective
Can be any course except those that are considered to be remedial for CIT such as C&IT 107, ENGL 100, MA 153 and below.

*Professional Speaking Selective
COM 315, COM 320, COM 325, COM 415

*Interdisciplinary Selective
Students should immediately familiarize themselves with the prerequisites required for the various Interdisciplinary selectives. Courses taken early in the associate degree will have a direct effect on the Interdisciplinary selectives that can be taken for the bachelor degree.

Neither an Interdisciplinary selective nor its substitute (sub:) can be used to satisfy more than one Interdisciplinary Area.
Requirements for the IST option:
Students must choose one selective in each of the six Interdisciplinary Areas that follow below. Note: Instead of choosing six Interdisciplinary selectives a student may substitute up to six courses from any approved, non-CIT minor. If the minor has fewer than six courses, one selective must be chosen from enough Interdisciplinary Areas to bring the total number of minor courses plus Interdisciplinary selectives to six.

GENERAL PLAN OF STUDY: NETWORKING (NET) OPTION
The field of information systems and technology has seen exceptional growth in the area of networking. The goal of the NET option is to educate students so that they can become network administrators in the business community. The demand for networking professionals will continue to grow as the field of computer networks continues to evolve. Some of the objectives of the Networking option include:
• Learning about the theories of operating systems as they relate to networks
• Concepts and technologies used in local area and wide area networks
• Installing and maintaining a local area network
• Interconnecting different types of networks
• Learning about and performing the role of the Network Administrator

Junior Year

Fall Semester
3 C&IT 304 Operating Systems
3 C&IT 372 Database Programming
3 ECET 109 Digital Fundamentals
4 PHYS 221 General Physics II
3 Professional Speaking Selective
16

Spring Semester
3 C&IT 330 LAN & Systems Administration
3 Information Systems Selective
3 ECET 159 Digital Applications
3 Liberal Arts Selective
3 Professional Writing Selective
15

Senior Year

Fall Semester
3 C&IT 343 Advanced Sys. & Network Admin.
3 C&IT 480 Managing Info. Technology Projects
3 Liberal Arts Selective
3 Economics Selective
3 Interdisciplinary Selective
15
Spring Semester

3  C&IT 404  Advanced Networking Topics
3  C&IT 455  Network Security
3  Liberal Arts Selective
3  Interdisciplinary Selective
3  Free Elective

15

Note: a minimum grade of “C” is required in a prerequisite C&IT course before moving on to its post-requisite course(s). Also, a minimum grade point average of 2.00 calculated for all C&IT courses is required for graduating with any CIT degree. Students may only repeat a C&IT course a maximum of two times, including withdrawals.

CIT bachelor degree with the NET option: 123 credits required.

Students following the Networking option who wish to receive a Minor in ECET in addition to their CIT degree can do so by taking two additional ECET courses. Refer to the ECET Department web site at www.pnc.edu/et/ecet

SELECTIVES: NET BACHELOR DEGREE OPTIONS

Check Purdue North Central’s CIT webpage for possible changes to the curriculum since the printing of this catalog.

6 Information Systems Selective
C&IT 350 – Object-Oriented Programming, C&IT 475 - Electronic Commerce and Business Implementation, C&IT 481 - Information Systems Management, or other 300 or above C&IT courses as approved by the CIT department

7 Liberal Arts Selective
Select courses from these departments only: ANTH, A&D, CDFS, COM, ECON, ENGL, Modern Languages (beyond Level 1), HIST, IDIS, MUS, PHIL, POL, PSY, SOC, SWRK, THTR

9 Professional Writing Selective
ENGL 420, ENGL 421

9 Interdisciplinary Selective
Students should immediately familiarize themselves with the prerequisites required for the various Interdisciplinary selectives. Courses taken early in the associate degree will have a direct affect on the Interdisciplinary selectives that can be taken for the bachelor degree. Neither an Interdisciplinary selective nor its substitute (sub:) can be used to satisfy more than one Interdisciplinary Area.

Requirements for the NET option:
Students must choose one selective from any two of the following Interdisciplinary Areas.

INTERDISCIPLINARY AREAS

Interdisciplinary Area: Business Law
GBG 259  Law and Society
GBG 260  Business Law
OLS 368  Personnel Law

Interdisciplinary Area: Finance
IET 250  Fund. of Production Cost Analysis (sub: IET 451)
IET 451  Monetary Analy. for Indust. Decisn. (sub: IET 250)
MGMT 201  Managerial Accounting

Interdisciplinary Area: Manufacturing
CIMT 243  Automated Manufacturing I
IET 204  Techniqs. of Maintaining Quality (sub: MET 451)
IET 224  Production Planning and Control
IET 268  Facilities Planning
IET 352  Operations Management
MET 451  Manufacturing Quality Control (sub: IET 204)

**Interdisciplinary Area: Marketing**
GBM 329  Principles of Marketing
MGMT 323  Introduction to Marketing Analysis

**Interdisciplinary Area: Org Behavior and Human Resources**
COM 324  Intro. to Organizational Communication
OLS 375  Training Methods
OLS 376  Human Resource Issues
OLS 386  Leadership for Organizational Change
OLS 388  Leadership through Teams
PSY 372  Intro. to Industrial/Organizational Psychology

**Interdisciplinary Area: Quality Control**
IET 204  Techniqs. of Maintaining Quality (sub: MET 451)
IET 364  Total Quality Management (sub: OLS 484)
MET 451  Manufacturing Quality Control (sub: IET 204)
OLS 484  Ldrshp. Strategies for Qual. & Prod. (sub: IET 364)

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**Associate of Science Degree in Computer & Information Technology**
The Associate of Science degree in Computer & Information Technology (CIT) prepares students for careers in the technologies associated with modern computer-based information systems.

Graduates are prepared for positions which include entry-level applications programmer, personal computing specialist, web site developer, and help desk operator. They are also trained in basic networking concepts. The CIT curriculum is designed to allow students to immediately matriculate from the associate degree program to the bachelor degree program, if desired.

Associate degree graduates may also continue toward a bachelor degree in Organizational Leadership and Supervision (OLS) at Purdue North Central by choosing the Computer & Information Technology emphasis in the OLS program.

**GENERAL PLAN OF STUDY: ALL CIT ASSOCIATE DEGREE OPTIONS**
Check Purdue North Central's CIT webpage for possible changes to the curriculum since the printing of this catalog.

**Freshman Year**

**Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>C&amp;IT 101</td>
<td>Orientation to C&amp;IT</td>
</tr>
<tr>
<td>C&amp;IT 141</td>
<td>Internet Found., Tech., and Develop.</td>
</tr>
<tr>
<td>C&amp;IT 176</td>
<td>Information Tech. Architectures</td>
</tr>
<tr>
<td>MA 154</td>
<td>Algebra &amp; Trigonometry II</td>
</tr>
<tr>
<td>ENGL 101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>COM 114</td>
<td>Fundamentals of Speech Comm.</td>
</tr>
</tbody>
</table>

16
Spring Semester
3 C&IT 155 Intro. to Obj-Oriented Programming
3 C&IT 180 Intro. to Systems Development
3 MA 223 Introductory Analysis I (Calculus I)
3 ENGL 102 English Composition II
3 General Business Selective

15

Sophomore Year

Fall Semester
3 C&IT 255 Programming for the Internet
3 C&IT 272 Database Fundamentals
3 OLS 252 Human Behavior in Organizations
3/4 Problem Solving Selective
  PHYS 220 required for NET option.
3 Economics Selective

15/16

Spring Semester
3 C&IT 276 Systems Software and Networking
3 C&IT 280 Sys. Analysis and Design Methods
3 Speech Communication Selective
3 MGMT 200 Introductory Accounting
3 Statistics Selective

15

Note: a minimum grade of “C” is required in a prerequisite C&IT course before moving on to its post-requisite course(s). Also, a minimum grade point average of 2.00 calculated for all C&IT courses is required for graduating with any CIT degree. Students may only repeat a C&IT course a maximum of two times, including withdrawals.

CIT associate degree with the IST option: 61 credits required.
CIT associate degree with the NET option: 62 credits required.

SELECTIVES: ALL CIT ASSOCIATE DEGREE OPTIONS

Check Purdue North Central’s CIT webpage for possible changes to the curriculum since the printing of this catalog.

Note: before choosing a General Business, Economics, or Statistics Selective, review the prerequisite requirements for the courses listed under the bachelor degree Interdisciplinary Selective.

1 General Business Selective
GBG 127, IET 104

2 Problem Solving Selective
CHEM 111, CHEM 115, PHYS 152, PHYS 220 (Note: students in the NET option must take PHYS 220)

3 Economics Selective
ECON 210, ECON 251, ECON 252

4 Speech Communication Selective
COM 314, COM 315, COM 320, COM 415, COM 491 (Business Communication only)

5 Statistics Selective
STAT 213, STAT 225, STAT 301
Certificate in Computer & Information Technology

Check Purdue North Central’s CIT webpage for possible changes to the curriculum since the printing of this catalog.

PNC offers a certificate in Computer & Information Technology (CIT) for those who have earned an associate or bachelor degree and who wish to develop skills in computer and information technology applications. Degreed students who have established credit in a mathematics course equivalent to MA 154 and who have not received a degree in CIT, CPT, CIS, or C S may take advantage of this program.

This certificate program teaches the practical application of information technology. It is assumed that the student is already PC literate, knows file management techniques using the Windows operating system, and has basic skills in the use of Microsoft Word, Excel, and PowerPoint. Those who don’t must take Computer Literacy (C&IT 107) before taking other C&IT courses.

The certificate requires 30 credits of course work. Credit may be given for prior course work but, a minimum of 21 credits must come from a Purdue University campus. Students wishing to earn this certificate must meet CIT admission requirements.

C&IT Core Courses (27 credits)

3 cr. C&IT 141 Internet Found., Tech., and Develop.
3 C&IT 155 Intro. to Obj-Oriented Programming
3 C&IT 176 Information Tech. Architectures
3 C&IT 180 Intro. to Systems Development
3 C&IT 255 Programming for the Internet
3 C&IT 272 Database Fundamentals
3 C&IT 276 Systems Software and Networking
3 C&IT 280 Sys. Analysis and Design Methods
3 C&IT 295 Object-Oriented Programming

Selective (3 credits)

Choose one course from any of the following disciplines, as approved by your advisor: C&IT, CIMT, C S, ECET, IET, MA, MET, or OLS.

Progression Requirements

Due to prerequisites C&IT courses must be taken in the appropriate sequence. A student must earn a “C” or higher in a prerequisite C&IT course to move on to the next C&IT course in the sequence. Also, a minimum grade point average of 2.00 calculated for all C&IT courses is required to receive a certificate in Computer & Information Technology. A student may only repeat a C&IT course a maximum of two times, including withdrawals. The Pass/No Pass option cannot be used with courses in this certificate program.
**Bachelor of Science in Construction Engineering and Management Technology**

A Bachelor of Science degree in Construction Engineering and Management Technology prepares graduates with the technical skills necessary to enter careers in construction, operation and/or maintenance of the built environment and global infrastructure. Graduates of the program have the ability to utilize basic construction documents to participate in construction activities, specify project methods and materials, perform cost estimates and analyses, and manage construction activities.

**GENERAL PLAN OF STUDY: CONSTRUCTION ENGINEERING AND MANAGEMENT TECHNOLOGY**

**Freshman Year**

<table>
<thead>
<tr>
<th>First Semester</th>
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<tbody>
<tr>
<td>2 BCM 100</td>
<td>Introduction to Construction</td>
</tr>
<tr>
<td>3 BCM 235</td>
<td>Construction Materials and Systems</td>
</tr>
<tr>
<td>3 CGT 110</td>
<td>Technical Graphics Communications</td>
</tr>
<tr>
<td>3 C&amp;IT 127</td>
<td>Microcomputer Spreadsheet Applications</td>
</tr>
<tr>
<td>3 ENGL 101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>3 MA 153</td>
<td>Algebra and Trigonometry I</td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
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<tbody>
<tr>
<td>3 ART 150</td>
<td>Architectural Construction I</td>
</tr>
<tr>
<td>3 ART 299A</td>
<td>Plans and Specifications</td>
</tr>
<tr>
<td>3 CET 160</td>
<td>Statics</td>
</tr>
<tr>
<td>3 CGT 290A</td>
<td>Computer-Aided Drafting and Design</td>
</tr>
<tr>
<td>3 ENGL 102</td>
<td>English Composition II</td>
</tr>
<tr>
<td>3 MA 154</td>
<td>Algebra and Trigonometry II</td>
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</table>
### Sophomore Year

**Third Semester**

<table>
<thead>
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<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>3</td>
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<td>BCM 270</td>
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<td>COM 114</td>
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<td>3</td>
<td>MA 223</td>
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<tr>
<td></td>
<td>Humanities/Social Science Elective</td>
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**Fourth Semester**

<table>
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<tr>
<td>3</td>
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<td>3</td>
<td>CET 260</td>
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<td>3</td>
<td>MGMT 200</td>
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<td>3</td>
<td>MA 224</td>
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<td>4</td>
<td>PHYS 220</td>
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### Junior Year

**Fifth Semester**

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<tr>
<td>3</td>
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<td>STAT 301</td>
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**Sixth Semester**

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### Senior Year

**Seventh Semester**

<table>
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<td>Technical Elective</td>
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<td>Humanities/Social Science Elective</td>
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### Eighth Semester

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<td>Cost Evaluation &amp; Control or IET 451</td>
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<td>BCM 310</td>
<td>Surveying Computations</td>
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<tr>
<td>CNT 325</td>
<td>Structural Calculations</td>
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</table>

### CONSTRUCTION WORK EXPERIENCE

Construction students are required to complete a minimum of 800 hours of construction work experience before graduation. Summer jobs and construction internships may be used to satisfy this requirement.

### Note to students who want to pursue the Master of Business Administration (MBA) degree at Purdue North Central:

The required Accounting, Business Law, Marketing and OLS courses needed for admission to the MBA program may be taken as electives for the BS degree. Visit the MBA web site at www.pnc.edu/MBA for requirements.

Total credits required for baccalaureate degree: 132
Master of Science in Elementary Education

The Graduate School of Purdue University offers a 30-credit, non-thesis, program of study leading to the Master of Science degree in elementary education. All courses leading to the degree may be taken at the North Central campus. The program is designed to further the education of those who possess the baccalaureate in elementary education. However, applicants who do not meet this criterion but do have a baccalaureate in another discipline and who have completed the additional coursework necessary to earn an elementary teaching license may also qualify for this degree.

A student with an undergraduate grade point average (GPA) of less than a 3.0 on a 4.0 scale is required to take the Graduate Record Examination. A student who has made application for admission may take up to 12 credit hours while admission is pending.

Individuals who are considering enrollment in the master's program are encouraged to contact the Education Department for an appointment with the graduate program advisor.

TRANSFER OF CREDIT

As many as 12 hours of graduate credit earned at other universities may be applied toward this advanced degree at the discretion of the department.

LICENSE RENEWAL

Teachers who would like to earn college credit to renew their teaching license also may take courses at Purdue University North Central. They are encouraged to contact the licensing advisor in the Education Department for details.

GENERAL PLAN OF STUDY: ELEMENTARY EDUCATION MASTER'S

The Graduate School conducts ongoing assessment of its admission standards, course offerings, and graduation requirements which may change while this catalog is in print.

Once accepted for admission, the student selects an advisory committee chairperson. Together they select two other faculty for the committee. The student, in concert with the committee members, formulates the student's individual plan of study.

Foundations Block (9 Hours)*

The student will elect one course from each of the three following areas:

A. Humanistic Education (One course)
   - EDPS 530 Advanced Educational Psychology
   - EDPS 535 Personal-Social Dynamic in the Classroom
   - PSY 502 Survey of Human Development

B. Diversity
   - EDCI 585 Multi-Cultural Education

C. Research
   - EDPS 533 Introduction to Educational Research I: Methodology

* Students must also create a professional portfolio to demonstrate attainment of the Graduate Competencies.
Curriculum Theory (3 hours)
EDCI 580 Foundations of Curriculum
EDCI 608 Individualizing Instruction in the Elementary and Secondary Schools

Methods (12 Hours)
A. Literacy and Language (3 hrs.)
   EDCI 500 Foundations of Literacy
B. Science (3 hrs.)
   EDCI 506 Environmental Education
   EDCI 605 Teaching Science in the Elementary School
   EDCI 609 Earth Science Teaching
C. Social Studies (3 hrs.)
   EDCI 604 Teaching Social Studies in the Elementary School
D. Math (3 hrs.)
   EDCI 511 Teaching Mathematics in the Elementary School

Electives (6 Hours)
Consult with advisor
Total Hours = 30

ELEMENTARY EDUCATION GRADUATE COMPETENCIES
In order to complete the requirements for the Master of Science Degree in Elementary Education, students must demonstrate that they have met the following competencies:
1. Synthesize knowledge and think critically and reflectively
2. Create knowledge
3. Communicate knowledge
4. Participate in professional activities and development
Students will demonstrate their attainment of the competencies by completing certain required courses and through development of a program portfolio.

Bachelor of Arts in Elementary Education
Purdue University North Central offers a program of study leading to a Bachelor of Arts degree in elementary education. Program brochures are available through the Office of Admissions, Dean of Students office, and the Education Department. Those who wish detailed information or who have questions concerning a specific situation should make an appointment to see the academic advisor for the Education Department and should visit the Education Web site at www.pnc.edu/ed.

The plan of study consists of: (1) the general education requirements; (2) the requirements for the major; and (3) a sufficient number of elective courses to bring the total credits to 128. Due to the importance of preparing teachers whose knowledge and skills are current, the Education Department will not accept as credit toward graduation from any undergraduate program any professional studies course completed 5 or more years prior to graduation.

The plan of study presented here reflects comprehensive performance-based standards and assessment procedures in line with standards suggested by state and national accrediting bodies. The completion of this program will enable candidates to apply for licensing in early and middle childhood (elementary education, K-6). The knowledge, performance and disposition of all teacher education candidates will be systematically assessed throughout the program. Candidates who have completed the plan of study and satisfied the requirements for elementary education, K-6 licensure, may also pursue the opportunity of earning a license addition in reading and/or early childhood education.
GENERAL PLAN OF STUDY: ELEMENTARY EDUCATION

Freshman Year

First Semester
3  HIST 151   American History to 1877 or
3  HIST 152   United States since 1877 or
3  HIST 104   Introduction to the Modern World
3  MA 137    Mathematics for Elementary Teachers I
3  BIOL 205    Biology for Elementary School Teachers
3  ENGL 101   English Composition I
3                Foreign Language+
15

+ Students must pass the third course in foreign language. Students who find it necessary to take the first and second course prior to taking the third course will therefore graduate with more than the minimum credit hours. Some students choose to attend Summer School to reduce their academic year course loads.

Second Semester
3  HIST 151   American History to 1877 or
3  HIST 152   United States History since 1877 or
3  HIST 104   Introduction to the Modern World
3  MA 139    Mathematics for Elementary Teachers III
3  BIOL 206    Biology for Elementary School Teachers
3                Social science elective other than history
3  ENGL 102   English Composition II
15

Sophomore Year

First Semester

Block I Courses
3  EDCI 205   Exploring Teaching as a Career
3  EDCI 285   Multiculturalism and Education
               Theory into Practice I

Other Courses
3  MA 138    Mathematics for Elementary Teachers II
2  CHM 290E   Chemistry for Elementary Education
2  EDCI 270   Introduction to Educational Technology
2  EDCI 271   Classroom Applications of Ed. Tech.
3  EDST 200   History and Philosophy of Education
17

Second Semester

Block II Courses
3  EDPS 235   Learning and Motivation
3  EDPS 265   The Inclusive Classroom
               Theory into Practice II
### Other Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>3</td>
<td>EDCI 311 Media for Children</td>
</tr>
<tr>
<td>2</td>
<td>PHYS 213 Physics for Elementary School Teachers</td>
</tr>
<tr>
<td>3</td>
<td>EAS 130 Earth Science for Elementary Education</td>
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### Junior Year

#### First Semester

**Block III**

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<tr>
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<tbody>
<tr>
<td>3</td>
<td>EDCI 361 Social Studies in the Elementary School</td>
</tr>
<tr>
<td>6</td>
<td>EDCI 362 Literacy in the Elementary School I Theory into Practice III</td>
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#### Other Courses

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<thead>
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<tr>
<td>3</td>
<td>English Selective</td>
</tr>
<tr>
<td>3</td>
<td>Social science elective other than history</td>
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<tr>
<td>3</td>
<td>ENGL 227 Elements of Linguistics</td>
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### Second Semester

**Block IV Courses**

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<th>Title</th>
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<tbody>
<tr>
<td>3</td>
<td>EDCI 363 Literacy in the Elementary School II</td>
</tr>
<tr>
<td>3</td>
<td>EDCI 364 Mathematics in the Elementary School</td>
</tr>
<tr>
<td>3</td>
<td>EDCI 365 Science in the Elementary School Theory into Practice IV</td>
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#### Other Courses

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<tr>
<td>3</td>
<td>A&amp;D 201 Art for Elementary School Teachers</td>
</tr>
<tr>
<td>2</td>
<td>EAS 391E Environmental Science for Elementary Education</td>
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<td>HK 322 Physical Education in the Elementary School</td>
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### Senior Year

#### First Semester

**Block V Courses**

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<thead>
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<tbody>
<tr>
<td>3</td>
<td>EDPS 430 Creating and Managing Learning Environments</td>
</tr>
<tr>
<td>2</td>
<td>EDCI 466 Integrated Curriculum in the Elementary School Theory into Practice V</td>
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#### Other Courses

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<thead>
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<tbody>
<tr>
<td>3</td>
<td>MUS 324 Teaching Music in the Elementary School</td>
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<tr>
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<td>H&amp;S 320 Health Education in the Elementary School</td>
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<td>3</td>
<td>Elective</td>
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<tr>
<td>3</td>
<td>Elective</td>
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</table>
GENERAL PLAN OF STUDY: READING LICENSE ADDITION
Completion of the program for Elementary Education

Additional Course Work
3  EDCI 408   Advanced Literacy Instruction
1  EDCI 409   Student Teaching Seminar in Literacy

GENERAL PLAN OF STUDY: EARLY CHILDHOOD LICENSE ADDITION
The Education Department is pleased to provide you with another opportunity for an addition to your K – 6 teaching license. With this addition, you will be qualified to teach in prekindergarten settings. The requirements for adding the PreK License to your Elementary Education program include:

• Completion of the program for Elementary Education
• Completion of the Elementary Education program, including the Social Science selective, PSY 235 Child Psychology OR CDFS 211.

Additional Course Work
• Completion of the following 18 credit hours:
  3  EDPS 236   Developmental Theory and Practice in Early Childhood Education
  3  EDCI 310   Literacy and the Young Child
  3  EDCI 371   Integrated Curriculum in Early Childhood: Creative and Affective Domains
  3  EDCI 372   Integrated Curriculum in Early Childhood: Cognitive Domains
  6  EDCI 470   Practicum and Seminar in Early Childhood Programs
• Letter of intent for application for the Generalist: Early Childhood license addition must be submitted to the Education Department prior to enrolling in EDCI 371 and/or EDCI 372.

Bachelor of Science in Early Childhood Education
Purdue University North Central offers a program of study leading to a Bachelor of Science degree in early childhood education. Program brochures are available through the Office of Admissions, Dean of Students office, and the Education Department. Those who wish detailed information or who have questions concerning a specific situation should make an appointment to see the academic advisor for the Education Department and should visit the Education Web site at www.pnc.edu/ed.

The courses in this program focus on child development as well as teaching in the prekindergarten and grades K-3 in the elementary school. The plan of study consists of: 1) the general education requirements; 2) the requirements for the major; and 3) electives courses to bring the total credits to 127. Due to the importance of preparing teachers whose knowledge and skills are current, and Education Department will not accept as credit toward graduation from any undergraduate program any professional studies course completed 5 or more years prior to graduation.

The plan of study presented here reflects comprehensive performance-based standards and assessment procedures in line with standards suggested by state and national accrediting bodies. The knowledge, performance and disposition of all teacher education candidates will be systematically assessed throughout the program. Candidates who successfully complete the plan of study will also be eligible for Indiana initial teaching licenses of Early Childhood: Generalist and Elementary/Primary: Generalist, which would qualify them to teach Pre-Kindergarten through Grade 3.
GENERAL PLAN OF STUDY: EARLY CHILDHOOD LICENSE ADDITION

Freshman Year – Strand 1: The Field of Early Childhood

First Semester
3 HIST 151 American History to 1877 or
    HIST 152 United States since 1877 or
    HIST 104 Introduction to the Modern World
3 MA 137 Mathematics for Elementary Teachers I
3 BIOL 205 Biology for Elementary School Teachers I
3 ENGL 101 English Composition I
3 EDST 270 Early Childhood Education
15

Second Semester
3 EDCI 276 Child, Family, School & Community Partnerships
3 PSY 235 Child Psychology or
    CDFS 211 Development & Growth of Children
3 ENGL 102 Composition II
3 HIST 151 American History to 1877 or
    HIST 152 United States since 1877 or
    HIST 104 Introduction to the Modern World
3 MA 139 Mathematics for Elementary Teachers III

Sophomore Year – Strand 2: Child Study/Child Development

First Semester
Corequisites
3 EDPS 236 Developmental Theory & Practice
3 EDPS 277 Nurturing and Guiding the Young Child
3 HK 272 Health, Safety & Nutrition for Young Children
Other Courses
2 EDCI 270 Introduction to Educational Technology
3 MA 138 Mathematics for Elementary Teachers II
2 CHEM 290E Chemistry for Elementary Education
16

Second Semester
Corequisites
3 EDPS 276 Young Children with Exceptional Needs
3 EDPS 275 Observation, Assessment & Documentation
Other Courses
3 EDCI 311 Media for Children
3 EAS 130 Earth Science for Elementary Education
3 ENGL 227 Elements of Linguistics
2 PHYS 213 Physics for Elementary Education
17
Junior Year – Strand 3: Early Childhood Care & Education

First Semester

Literacy Block
3 EDCI 322 Teaching English Language Learners
3 EDCI 310 Literacy and the Young Child
6 EDCI 362 Literacy in the Elementary School I
   Integrated Curriculum in Early Childhood (ICEC)

Other Courses
3 English Elective
1 Elective
16

Second Semester

Preprimary Block
3 EDCI 371 ICEC: Creative & Affective Domains
3 EDCI 372 ICEC: Cognitive Domain
3 EDCI 375 Music and Movement for the Young Child

Other Courses
2 EAS 391E Environmental Science for Elementary Education
3 Elective
3 Social Science Elective
17

Senior Year – Strand 4: Becoming and Early Childhood Professional

First Semester

Primary Block
6 EDCI 470 Practicum & Seminar in Early Childhood Education
3 EDCI 373 Expressive Arts/Social Studies in Kindergarten and the Primary Grades
3 EDCI 374 Science & Math in Kindergarten and the Primary Grades

Other Courses
3 Elective
15

Second Semester

16 EDCI 496 Student Teaching and Theory into Practice Seminar
16

Total minimum credits required for baccalaureate degree: 127
Associate of Science Degree in Electrical Engineering Technology

Accredited by the Technology Accreditation Commission of ABET, Inc., 111 Market Place, Suite 1050, Baltimore, MD 21202, Telephone: 410-347-7700.

The Electrical and Computer Engineering Technology (ECET) program is a combination of courses in electricity, electronics, mathematics, science and general academic areas. Graduates may also work toward the Bachelor of Science degree on the Purdue University North Central campus.

Our mission is to serve the needs of the citizens, industries and community colleges of Northwest and North Central Indiana by:

1. Providing a quality, applications-oriented education in a broad array of areas within the electronics and computer hardware fields;
2. Contributing to the advancement of technology, engineering and education through scholarly work, publications or active participation in professional societies; and
3. Serving as a technical resource for our constituents.

The Program Educational Objectives of our Associate Degree Program are:

1. Graduates of our Associate Degree Program are involved in selling, installing, operating, maintaining, troubleshooting or repairing systems of electrical equipment, electronics and computers, in a variety of applications, such as microprocessors and microcontrollers; industrial control systems; instrumentation; hospital & biomedical equipment; power generation and transmission; computer hardware, software and networks.
2. Graduates of our Associate Degree Program are academically prepared to continue their education in our Bachelor's Degree Program.

Our core values are: focus on learning; respect and caring for all students; providing a safe and nurturing environment; valuing a well-rounded education; celebrating diversity; collaborating with others and working as a team; maintaining a professional attitude at all times; serving our profession, community, state and country; maintaining the currency of our knowledge; and devotion to life-long learning.

Our AS and BS degrees are structured on a 2 + 2 pattern. Students earn the Associate Degree after their freshman and sophomore years of study are completed, and then are awarded the Bachelor’s Degree after completing the junior and senior years.

Information about the junior and senior year requirements is located in the ENGINEERING TECHNOLOGY section of this catalog.
GENERAL PLAN OF STUDY: ELECTRICAL ENGINEERING TECHNOLOGY

Freshman Year

First Semester

4  ECET 107  Introduction to Circuit Analysis
3  ECET 109  Digital Fundamentals
2  ECET 196  Introduction to ECET Projects
3  ENGL 101  English Composition I
3  MA 153  Algebra and Trigonometry I

15

Second Semester

4  ECET 157  Electronics Circuit Analysis
4  ECET 159  Digital Applications
3  COM 114  Fundamentals of Speech Communication
3  MA 154  Algebra and Trigonometry II
3  Computer Programming Elective

17

Summer—Sophomore

4  ECET 231  Electrical Power and Controls

4

Sophomore Year

Third Semester

4  ECET 207  AC Electronics Circuit Analysis
4  ECET 209  Introduction of Microcontrollers
3  CGT 110  Technical Graphics Communications
3  MA 223  Introductory Analysis I
3  Humanities/Social Science Elective

17

Fourth Semester

4  ECET 257  Consumer Power Electronics
4  ECET/CPET Elective
3  MA 224  Introductory Analysis II
4  PHYS 220  General Physics I

15

Computer Programming Elective

Any computer programming class of three or more credits. For example, Basic, Visual Basic, C, C++, C#, Visual C, Fortran, Java and Pascal.

ECET/CPET Elective

Any 300-level or above ECET or CPET course fulfills this requirement.
Humanities Electives
Select from courses in American Sign Language, Art, Communications, English, History, Foreign Language, Music, Philosophy, Theatre or Theology. English courses must be 200 level or above. If you speak a language other than English, you may be able to test out of one or more semesters of that language, thereby receiving credit for your Humanities Elective.

Social Science Electives
Select from courses in Anthropology, Consumer and Family Sciences, Government, Interdisciplinary Studies, Political Science, Psychology or Sociology.

Humanities/Social Science Electives may be taken under the Pass/Not Pass option. See details in the Grading section of this catalog.

General Education Note
At the time that this catalog was being published, the faculty of Purdue North Central were in the process of revising the General Education Requirements for all degree programs. As a result of this effort, several changes will be made in our Associate and Baccalaureate Degrees. Among these changes are the following: ECET 196 may be replaced with a campus-wide Freshman Year Experience; a second campus-wide, freshman year course may be added; and the Humanities/Social Science, Math/Science and Technical Elective requirements might be changed. For the most up-to-date information, see the ECET website: www.pnc.edu/et/ecet.

Math Note
STAT 301 may be taken in place of MA 224 by students who feel that Statistics would be a better choice for their career focus.

Note to students pursuing the Bachelor of Science Degree:
See the ENGINEERING TECHNOLOGY section of this catalog for the junior and senior year plans of study.

Total credits required for associate degree: 68
Bachelor of Science Degree in Engineering Technology

The Bachelor of Science in Engineering Technology provides a plan of study for students in electrical, industrial and construction technology who wish to pursue a bachelor's degree at Purdue North Central.

This interdisciplinary degree serves associate degree graduates from Electrical and Computer Engineering Technology (ECET), Industrial Engineering Technology (IET), Architecture Technology (ART), Building Construction Management Technology (BCMT), and Civil Engineering Technology (CET) programs on the Purdue North Central campus. It also serves transfer students who have earned an associate degree in related technical programs. This interdisciplinary program is designed to prepare a broadly educated generalist in industry and technology. Students can enhance their respective associate degree programs with further technical electives. In addition to a multifaceted technical education, all graduates will have a solid general education background in the humanities, social and behavioral sciences, and the life and physical sciences.

The primary goal of the curriculum is to provide graduates with a solid technical foundation which will enable them to adapt readily and grow into a wide variety of employment opportunities.

Bachelor of Science Degree in Engineering Technology: Construction Technology (ART Option)

An engineering technology graduate with a construction technology emphasis may have employers who are home builders and commercial building construction firms, building suppliers, government agencies, land surveyors, highway departments, and engineering consultants. A large variety of positions, both at the office and in the field, are available as project managers, superintendents, schedulers, or estimators. With additional experience, graduates may move into supervisory or management positions.

Upper division construction courses may be offered on a two-year cycle.

GENERAL PLAN OF STUDY: CONSTRUCTION TECHNOLOGY (ART OPTION)

Freshman & Sophomore Years
(See AS-ART degree, located under ARCHITECTURAL TECHNOLOGY heading.)

Junior Year

Fifth Semester

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<td>IET 104 Industrial Organization</td>
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<td>BCM 345 Scheduling</td>
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<td>BCM 375 Estimating II</td>
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<td>STAT 301 Elementary Statistical Methods</td>
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<td>PHYS 221 General Physics II</td>
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### Sixth Semester

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<tr>
<td>3</td>
<td>IET 364</td>
<td>Total Quality Management</td>
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<tr>
<td>3</td>
<td>BCM 230</td>
<td>Mechanical &amp; Electrical Systems</td>
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<tr>
<td>3</td>
<td>CET 280</td>
<td>Structural Calculations</td>
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<td>3</td>
<td>CNT 325</td>
<td>Structural Applications</td>
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<td>C/E/H/SS Elective</td>
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### Senior Year

#### Seventh Semester

<table>
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<tr>
<td>3</td>
<td>IET 301</td>
<td>Cost Evaluation &amp; Control</td>
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<td>BCM 380</td>
<td>Concrete Construction</td>
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<td>3</td>
<td>CET 331</td>
<td>Properties and Behavior of Soils</td>
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<td>3</td>
<td>MET 451</td>
<td>Manufacturing Quality Control</td>
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#### Eighth Semester

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<tr>
<td>3</td>
<td>IET 451</td>
<td>Monetary Analysis for Industrial Decisions</td>
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<td>CMET 445</td>
<td>Construction Management I</td>
</tr>
<tr>
<td>3</td>
<td>OLS Selective</td>
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<td>6</td>
<td>C/E/H/SS Elective</td>
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</table>

### C/E/H/SS ELECTIVES

At least 12 credit hours are required. Courses may be from English (above ENGL 102), Communication (above COM 114), Humanities (Art, History, Foreign Language, Music, Philosophy, Theater or Theology), or Social Science (Anthropology, Government, Political Science, Psychology or Sociology). Economics is not accepted as a C/E/H/SS elective.

### OLS Selectives

OLS 331 or OLS 378.

### Construction Work Experience

All construction option students are required to complete a minimum of 800 hours of construction work experience before graduation. Summer jobs and construction internships may be used to satisfy this requirement. Visit the Department of Engineering Technology at www.pnc.edu/et for the most current information.

*Developmental courses will not apply as credit towards a degree at Purdue North Central.

*Prerequisite course requirements for any BS degree course must be satisfied.

Total credits required for baccalaureate degree: 129
Bachelor of Science Degree in Engineering Technology: Construction Technology (BCMT Option)

An engineering technology graduate with a construction technology emphasis may have employers who are home builders and commercial building construction firms, building suppliers, government agencies, land surveyors, highway departments, and engineering consultants. A large variety of positions, both at the office and in the field, are available as project managers, superintendents, schedulers, or estimators. With additional experience, graduates may move into supervisory or management positions.

Upper division construction courses may be offered on a two-year cycle.

GENERAL PLAN OF STUDY: CONSTRUCTION TECHNOLOGY (BCMT OPTION)

Freshman & Sophomore Years
(See AS-BCMT degree, located under BUILDING CONSTRUCTION MANAGEMENT TECHNOLOGY heading.)

Junior Year

Fifth Semester
3 IET 104 Industrial Organization
3 BCM 230 Mechanical and Electrical Systems
3 BCM 345 Scheduling
3 BCM 375 Estimating II
3 STAT 301 Elementary Statistical Methods
15

Sixth Semester
3 IET 364 Total Quality Management
3 CET 280 Structural Calculations
3 CNT 325 Structural Applications
4 PHYS 221 General Physics II
3 C/E/H/SS Elective
16

Senior Year

Seventh Semester
3 IET 301 Cost Evaluation & Control
3 BCM 380 Concrete Construction
3 CET 331 Properties and Behavior of Soils
3 MET 451 Manufacturing Quality Control
3 C/E/H/SS Elective
15

Eighth Semester
3 IET 451 Monetary Analysis for Industrial Decisions
3 CMET 445 Construction Management I
3 OLS Selective
6 C/E/H/SS Elective
15
C/E/H/SS Electives
At least 12 credit hours are required. Courses may be from English (above ENGL 102), Communications (above COM 114), Humanities (Art, History, Foreign Language, Music, Philosophy, Theater or Theology), or Social Science (Anthropology, Government, Political Science, Psychology or Sociology). Economics is not accepted as a C/E/H/SS elective.

OLS Selectives
OLS 331 or OLS 378.

Construction Work Experience
All construction option students are required to complete a minimum of 800 hours of construction work experience before graduation. Summer jobs and construction internships may be used to satisfy this requirement. Visit the Department of Engineering Technology at www.pnc.edu/et for the most current information.

*Developmental courses will not apply as credit towards a degree at Purdue North Central.

*Prerequisite course requirements for any BS degree course must be satisfied.

Total credits required for baccalaureate degree: 127

Bachelor of Science Degree in Engineering Technology: Construction Technology (CET Option)
An engineering technology graduate with a construction technology emphasis may have employers who are home builders and commercial building construction firms, building suppliers, government agencies, land surveyors, highway departments, and engineering consultants. A large variety of positions, both at the office and in the field, are available as project managers, superintendents, schedulers, or estimators. With additional experience, graduates may move into supervisory or management positions.

Upper division construction courses may be offered on a two-year cycle.

GENERAL PLAN OF STUDY: CONSTRUCTION TECHNOLOGY (CET OPTION)

Freshman & Sophomore Years
(See AS-CET degree, located under CIVIL ENGINEERING TECHNOLOGY heading.)

Junior Year

Fifth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>IET 104</td>
<td>Industrial Organization</td>
<td>3</td>
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<tr>
<td>BCM 345</td>
<td>Scheduling</td>
<td>3</td>
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<tr>
<td>BCM 375</td>
<td>Estimating II</td>
<td>3</td>
</tr>
<tr>
<td>STAT 301</td>
<td>Elementary Statistical Methods</td>
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<tr>
<td>PHYS 221</td>
<td>General Physics II</td>
<td>4</td>
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Sixth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>IET 364</td>
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</tr>
<tr>
<td>CET 209</td>
<td>Land Surveying &amp; Subdivision</td>
<td>3</td>
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<tr>
<td>CET 280</td>
<td>Structural Calculations</td>
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<tr>
<td>CNT 325</td>
<td>Structural Applications</td>
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<td></td>
<td>C/E/H/SS Elective</td>
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<td></td>
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</tr>
</tbody>
</table>
Senior Year

Seventh Semester

3 IET 301 Cost Evaluation & Control
3 BCM 380 Concrete Construction
3 CET 331 Properties and Behavior of Soils
3 MET 451 Manufacturing Quality Control
3 C/E/H/SS Elective

15

Eighth Semester

3 IET 451 Monetary Analysis for Industrial Decisions
3 CMET 445 Construction Management I
3 OLS Selective
6 C/E/H/SS Elective

15

C/E/H/SS Electives

At least 12 credit hours are required. Courses may be from English (above ENGL 102), Communication (above COM 114), Humanities (Art, History, Foreign Language, Music, Philosophy, Theater or Theology), or Social Science (Anthropology, Government, Political Science, Psychology or Sociology). Economics is not accepted as a C/E/H/SS elective.

OLS Selectives

OLS 331 or OLS 378.

Construction Work Experience

All construction option students are required to complete a minimum of 800 hours of construction work experience before graduation. Summer jobs and construction internships may be used to satisfy this requirement. Visit the Department of Engineering Technology at www.pnc.edu/et for the most current information.

*Developmental courses will not apply as credit towards a degree at Purdue North Central.

*Prerequisite course requirements for any BS degree course must be satisfied.

Total credits required for baccalaureate degree: 127

Bachelor of Science Degree in Engineering Technology: Electrical and Computer Engineering Technology

The Electrical and Computer Engineering Technology (ECET) program at Purdue North Central offers both an Associate of Science (AS) Degree and a Bachelor of Science (BS) Degree.

While the Associate Degree is very specific as to which courses are required, the Bachelor Degree is designed to be broad and inter-disciplinary. Through their choice of ECET/CPET and elective courses, students may specialize in analog electronics, computer hardware/software, digital systems, electrical power, embedded microcontroller circuit design, hospital and biomedical equipment, industrial automation, manufacturing, RF communications, telecommunication or quality control.

News reports and many companies group scientists, engineers, technologists and technicians together, calling them all “engineers.” In fact, the scientist deals more with theoretical ideas, concepts and research, while the engineer may design new products and processes. The technologist is a person who has earned a BS Degree in Technology – a practical and applied curriculum. The technologist applies engineering principles and current technology, solving problems and improving facilities, processes and procedures in industry. Some recent technology graduates of PNC have started their own companies.
Our mission is to serve the needs of the citizens, industries and community colleges of Northwest and North Central Indiana by:

1. Providing a quality, applications-oriented education in a broad array of areas within the electronics and computer hardware fields;
2. Contributing to the advancement of technology, engineering and education through scholarly work, publications or active participation in professional societies; and
3. Serving as a technical resource for our constituents.

The Program Educational Objectives of our Bachelor’s Degree Program are:

1. Graduates of our Bachelor’s Degree Program are involved in specifying, designing or developing new applications, based on electrical, electronics and computer systems, in a variety of applications, such as microprocessors and microcontrollers; industrial control systems; instrumentation; hospital & biomedical equipment; power generation and transmission; computer hardware, software and networks.
2. As their careers advance, graduates our Bachelor’s Degree Program will supervise teams of engineers, technologists and technicians, and use their written and verbal communications skills.
3. Graduates of our Bachelor’s Degree Program are prepared to advance their education and many will choose to do so.

Our core values are: focus on learning; respect and caring for all students; providing a safe and nurturing environment; valuing a well-rounded education; celebrating diversity; collaborating with others and working as a team; maintaining a professional attitude at all times; serving our profession, community, state and country; maintaining the currency of our knowledge; and devotion to life-long learning.

Our AS and BS degrees are structured on a 2 + 2 pattern. Students earn the Associate Degree after their freshman and sophomore years of study are completed, and then are awarded the Bachelor’s Degree after completing the junior and senior years.

Information about the freshman and sophomore year requirements is located in the ELECTRICAL AND COMPUTER ENGINEERING TECHNOLOGY section of this catalog.

**GENERAL PLAN OF STUDY: ELECTRICAL AND COMPUTER ENGINEERING TECHNOLOGY**

**Freshman & Sophomore Years**
Information about the freshman and sophomore year requirements is located in the ELECTRICAL AND COMPUTER ENGINEERING TECHNOLOGY section of this catalog.

**Junior Year**

**Fifth Semester**

<table>
<thead>
<tr>
<th>Course(s)</th>
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<tbody>
<tr>
<td>ECET/CPET Elective</td>
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<td>ECET/CPET Elective</td>
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<tr>
<td>C/E/H/SS Elective</td>
<td>3</td>
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<tr>
<td>Technical Elective</td>
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</table>

**Sixth Semester**

<table>
<thead>
<tr>
<th>Course(s)</th>
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<td>ECET/CPET Elective</td>
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<tr>
<td>ECET/CPET Elective</td>
<td>4</td>
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<tr>
<td>C/E/H/SS Elective</td>
<td>3</td>
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<tr>
<td>Technical Elective</td>
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</table>

14
**Senior Year**

**Seventh Semester**

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<thead>
<tr>
<th>Credit</th>
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<tbody>
<tr>
<td>4</td>
<td>ECET/CPET Elective</td>
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<tr>
<td>2</td>
<td>ECET 499A Senior Project Phase I</td>
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<tr>
<td>3</td>
<td>C/E/H/SS Elective</td>
</tr>
<tr>
<td>3</td>
<td>Ma/Sci Elective</td>
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<td>3</td>
<td>Technical Elective</td>
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<tr>
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**Eighth Semester**

<table>
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<tr>
<th>Credit</th>
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<tbody>
<tr>
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<tr>
<td>3</td>
<td>Ma/Sci Elective</td>
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<tr>
<td><strong>15</strong></td>
<td></td>
</tr>
</tbody>
</table>

**C/E/H/SS Electives**

At least 15 credits (5 courses) are required. At least one course (3 cr.) must be English (above ENGL 101) or Communications (above COM 114). At least one course (3 cr.) must be Humanities (American Sign Language, Art, Communications, English, History, Foreign Language, Music, Philosophy, Theater or Theology). At least one course (3 cr.) must be Social Science (Anthropology, Consumer and Family Sciences, Government, Interdisciplinary Studies, Political Science, Psychology or Sociology). The rest may be either English, Communications, Humanities or Social Studies. Economics may be used as a C/E/H/SS elective. If you speak another language or had several years of language study in high school, you may be able to test out of one or more levels of that language and receive credit.

**ECET/CPET Electives**

At least 24 credits (6 courses) are required. Any 300-level or above ECET or CPET course may be used. Also, several three-course sequences of C&IT courses may be taken in place of two ECET Electives.

**ECET Senior Project Design**

An additional 4-credit ECET or CPET elective may be used in place of ECET 499A & B.

**Ma/Sci Electives**

At least 6 credits (2 courses) are required. One course must be Science (ASTR, BIOL, BTNY, CHM, EAS, HORT, PHYS). The other course may be Science, Math or Statistics.

**Technical Electives**

At least 9 credits (3 courses) are required. Any Technology (ART, BCM, CET, CGT, C&IT, CPT, IET, MET, OLS), Business, Economics or Management course may be used for these requirements. Also, most Engineering courses may be used as Technical Electives.

**General Education Note**

At the time that this catalog was being published, the faculty of Purdue North Central were in the process of revising the General Education Requirements for all degree programs. As a result of this effort, several changes will be made in our Associate and Baccalaureate Degrees. Among these changes are the following: ECET 196 may be replaced with a campus-wide Freshman Year Experience; a second campus-wide, freshman year course may be added; and the Humanities/Social Science, Math/Science and Technical Elective requirements might be changed. For the most up-to-date information, see the ECET website: www.pnc.edu/et/ecet
Note to students transferring from other institutions
This plan of study reflects the requirements for students who have an AS-EET or AS-ECET degree from a school that is accredited by the Accreditation Board for Engineering and Technology (ABET). If your degree is not ABET accredited or if you have not completed the AS Degree in EET or ECET, you may be required to complete additional coursework.

Note to students transferring from Ivy Tech Community College
The PNC ECET Program has an articulation agreement with ITCC for graduates with an AS or AAS degree in ELT or ECT. The agreement, along with course-by-course conversion information, may be viewed on the ECET website: www.pnc.edu/et/ecet

Note to students who eventually want to pursue an MBA degree
Please look at the MBA admissions requirements on the PNC website (www.pnc.edu/MBA). The required Accounting, Business, Business Law, Economics, Marketing and OLS courses needed for admissions to the MBA program may be taken as C/E/H/SS or Tech Electives for your BS degree. The required quantitative and Math classes may be taken as Ma/Sci Electives.

Total credits required for baccalaureate degree: 126

Bachelor of Science Degree in Engineering Technology:
Industrial Engineering Technology
A graduate with the Industrial Engineering Technology option may find employment in a variety of industrial or service-type organizations such as banks and hospitals. The industrial engineering technology program is designed to prepare students in both technical and management areas. Graduates are suited for technical and/or managerial positions in process improvement, quality management, production planning, manufacturing engineering, or facilities engineering in business, industry, and government.

GENERAL PLAN OF STUDY: INDUSTRIAL ENGINEERING TECHNOLOGY

Freshman & Sophomore Years
(See AS-IET degree, located under INDUSTRIAL ENGINEERING TECHNOLOGY heading.)

Junior Year
Fifth Semester
3  MGMT 200  Introductory Accounting
3  OLS 274  Applied Leadership
3  MA 224  Introductory Analysis II
4   Science Selective
13

Sixth Semester
3  ECET 109  Digital Fundamentals or
ECET 213  Survey of Electricity & Electronics
3  COM 315  Speech Communication of Technical Information or
COM 415  Discussion of Technical Problems
3  ENGL 420  Business Writing
3  OLS 376  Human Resource Issues
3  C&IT 127  Microcomputer Spreadsheet Applications or
C&IT 128  Advanced Word Processing
15
Senior Year

Seventh Semester

3  IET 301    Cost Evaluation & Control
3  IET 364    Total Quality Management
3  OLS 378    Labor/Management Relations
3  PSY 120    Elementary Psychology
3  SOC 100    Introductory Sociology

15

Eighth Semester

3  IET Elective
3  MFET 243    Automated Manufacturing I
3  OLS 331    Occupational Safety and Health
3  PSY 372    Industrial Psychology
3  C/E/H/SS Elective

15

C/E/H/SS Elective

Courses may be from English (above ENGL 102) or from Communications (above COM 114) or from Humanities (Art, History, Foreign Language, Music, Philosophy, Theater or Theology) or from Social Science (Anthropology, Government, Political Science, Psychology or Sociology).

*Developmental courses will not apply as credit towards a degree at Purdue North Central.

*Prerequisite course requirements for any BS degree course must be satisfied.

Total credits required for associate degree: 126

Bachelor of Science Degree in Engineering Technology: Interdisciplinary

This interdisciplinary degree serves associate degree graduates from all Engineering Technology programs on the Purdue North Central campus. This degree option also serves transfer students who have earned an associate degree in related technical programs at other institutions of higher learning. This interdisciplinary bachelor's degree program is designed to prepare a broadly educated generalist in industry and technology. Students can enhance their respective associate degree programs with further technical electives in their concentration areas. In addition to a multifaceted technical education, all graduates will have a solid general education background in the humanities, social and behavioral sciences, and the life and physical sciences.

GENERAL PLAN OF STUDY: INTERDISCIPLINARY INDUSTRIAL TECHNOLOGY

Junior Year

Fifth Semester

3  IET 104    Industrial Organization
3/4  Technical Elective
3  STAT 301    Elementary Statistical Methods
3  MA 223    Introductory Analysis I
4  PHYS 221    General Physics II

16/17
### Sixth Semester

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<tr>
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<tr>
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<td>MET 451 Manufacturing Quality Control</td>
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<td>OLS Selective</td>
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<tr>
<td>3</td>
<td>ENGL 102 English Composition II</td>
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<td>MA 224 Introductory Analysis II</td>
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### Senior Year

#### Seventh Semester

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<tbody>
<tr>
<td>3</td>
<td>IET 301 Cost Evaluation &amp; Control</td>
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<td>IET 364 Total Quality Management</td>
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15/16

#### Eighth Semester

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<tr>
<td>6</td>
<td>C/E/H/SS Elective</td>
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</tbody>
</table>

15/16

### Technical Elective

At least 12 credit hours are required. Any 300-level or above course from BCM, C&IT, CPT, ECET, IET or MET fulfills this requirement. Prerequisites must be met for each course.

### C/E/H/SS Electives

At least 12 credit hours are required. Courses may be from English (above ENGL 101) or from Communications (above COM 114), or from Humanities (Art, History, Foreign Language, Music, Philosophy, Theater or Theology), or from Social Science (Anthropology, Government, Political Science, Psychology or Sociology). Economics is not accepted as a C/E/H/SS elective.

### OLS Selective

OLS 331 or OLS 378.

*Developmental courses will not apply as credit towards a degree at Purdue North Central.

*Prerequisite course requirements for any BS degree course must be satisfied.

Total credits required for baccalaureate degree: 129
Bachelor of English

The Bachelor of Arts in English has been developed by the faculty in the Department of English and the College of Liberal Arts of Purdue University at West Lafayette. An English degree at PNC requires students to examine literary and artistic texts (in all media including electronic) as well as historical documents and works of theory as products of cultural and social processes. By reading and responding to texts produced to meet many cultural needs during various historical periods, students develop the understanding and empathy for human struggles needed to work through contemporary dilemmas. Students acquire a thorough knowledge of the history and development of the English language and British, American, world, and ethnic literatures within the context of a changing global society. As students learn how others have come to articulate their world views, they also become critical thinkers who can effectively communicate with others.

A degree in English traditionally has been considered a step toward a career in teaching, scholarly research or writing. In fact, opportunities are much wider. English majors find their degrees useful in business, the professions, media, technology, publishing and government. Because competent writing and thinking abilities are crucial to almost every field, English majors have succeeded in such diverse areas as management, advertising, community relations, computer documentation, desktop publishing and public service. An English degree also is a traditional springboard to a career in law.

All English majors must complete both 51 credits of core requirements and a 33 credit sequence of English classes.

GENERAL PLAN OF STUDY: ENGLISH

Core Requirements

6 English composition
3 Speech communication
3 Modern language (ASL, French, German, or Spanish at the fourth level)
6 Mathematics and statistics
6 Natural science (astronomy, biology, chemistry, geology, and physics)
3 Western heritage
3 United States tradition
3 Other cultures
3 Aesthetic awareness
3 Racial and ethnic diversity
3 Gender issues
3 Individual and society
3 Social ethics
3 Global perspective

The major in English supplements the core with courses that survey English and American literature, examine specific literary themes and genres, cover a particular major author or authors, strengthen writing and reasoning skills, and study the English language itself. Some of these courses are specifically required; others represent choices within groupings of courses.

A minor is NOT REQUIRED with this major.
Prerequisite
In order to work toward this major, the student must have credit in ENGL 101, 102 and ENGL 227 or the equivalent.

Required Courses (33 credits)
Choose from the following English courses to meet requirements in each area.

Introductory Courses (9 credits)
3 ENGL 201 The Nature of Literary Study
3 ENGL 240 Survey of British Literature: From the Beginnings Through the Neoclassical Period or
3 ENGL 241 Survey of British Literature: From the Rise of Romanticism to the Modern Period
3 ENGL 350 Survey of American Literature: From Its Beginnings to 1865 or
3 ENGL 351 Survey of American Literature: From 1865 to the Post World War II Period

Major Authors (3 credits)
3 ENGL 441 Chaucer's Canterbury Tales
3 ENGL 442 Shakespeare
3 ENGL 444 Milton's Major Poetry

Area Studies (9 credits)
One course from each of three areas: genre studies, historical studies, cultural studies, theoretical studies and English language studies.

Electives (9 credits)
Three additional courses in English at the 200 level or above.

Capstone Course (3 credits)
3 ENGL 495 Capstone Seminar for Seniors in English

Total credits required for baccalaureate degree: 126

Because the core and major requirements include up to 90 credit hours, the student has plenty of opportunity to pursue special interests. Some students elect to pursue a second major. Others complete a minor, although a minor is not required with this degree. Still others sample courses from a variety of areas. The avenue the student chooses depends on academic or career goals. For example, some students choose electives that enhance their understanding of literature, such as history, philosophy or science. Others choose to develop their marketability by taking courses in technical areas or business.

ENGLISH TEACHING OPTION
Although the Bachelor of Arts, English teaching option (for teaching English at the high school level) is not available at Purdue University North Central, interested students are able to complete some education courses, all core requirements and all courses required in the English major at the North Central campus. Requirements in education may then be readily completed at one of the Purdue campuses where the degree is offered.
First-Year Engineering Transfer Program

In order to fulfill all the requirements for the FYE Program, each student must take or obtain credit for the following courses: Calculus I and II, Chemistry I, Physics I, Engineering Problem Solving, Engineering Lectures, Science Selective (either Chemistry II or Programming Applications for Engineers), English Composition, and a First-Year General Education Elective (Fundamentals of Speech Communication is recommended for most students). Although not part of the FYE Program curriculum, students interested in majoring in Aeronautics and Astronautics, Civil Engineering, Construction Engineering and Management, Land Surveying and Geomatics Engineering or Mechanical Engineering are encouraged to take the appropriate Computer Graphics course.

Required Courses for the FYE Program - West Lafayette

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MA 161/165</td>
<td>Calculus I</td>
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<tr>
<td>MA 162/166/173/181</td>
<td>Calculus II</td>
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<td>CHM 115/123/136</td>
<td>Chemistry I</td>
</tr>
<tr>
<td>PHYS 172/172H</td>
<td>Physics I</td>
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<td>ENGR 126/126H</td>
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<td>ENGR 100/100H</td>
<td>Engineering Lectures</td>
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<tr>
<td>ENGL 106/106I/108</td>
<td>English Composition</td>
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<tr>
<td>CHM 116/124/136, CS 159 or ENGR 117</td>
<td>Science Selective</td>
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<td>First-Year General Education Elective</td>
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Common Optional Courses

1 Optional Seminar
2 CGT 163/164 Computer Graphics for AAE/CE/CEM/LGSE/ME
2 Band
1-3 ROTC
3 General Education Elective
3-4 Professional School Requirement

First-Year Engineering Transfer Program, Engineering Education, College of Engineering Purdue University, Student Handbook 2007-08, https://engineering.purdue.edu/ENE/Academics/InfoFor/CurrentStudents/studenthandbook
PNC Courses

5  MA 167  Plane Analytic Geometry & Calculus
5  MA 169  Plane Analytic Geometry & Calculus II
4  CHM 115  General Chemistry
4  PHYS 152  Mechanics
5  ENGR 171  Engineering Fundamentals I
1  ENGR 100  First-Year Engineering Lectures
3  ENGL 101  English Composition
5  ENGR 181  Engineering Fundamentals II
  or
3  ENGR 189  C++ Language Programming for Engineering & Technology Applications
  or
4  CHM 116  General Chemistry
3  COM 114  Fundamentals of Speech Communication

33-35

Course Equivalencies

PNC  West Lafayette
MA 167  MA 161/165
MA 169  MA 162/166/173/181
CHM 115  CHM 115/123/136
PHYS 152  PHYS 172/172H
ENGR 171  ENGR 126/126H
ENGR 100  ENGR 100/100H/103/104
ENGL 101  ENGL 106/106I/108
CHM 116,  CHM 116/124/136, CS 159 or ENGR 117
  or
ENGR 189,  or ENGR 181
COM 114  First-Year General Education Elective

For more information about the First-Year Engineering Program and course equivalencies, contact Dr. Larryl Matthews, Dean of the College of Engineering and Technology at Purdue North Central.
Human Resources Certificate

Working individuals and those contemplating a career in human resources who wish to explore the field before committing to a degree program can “test the water” by entering the certificate program. Designed to accommodate part-time and evening students, the curriculum consists of nine courses.

This option allows for progression from certificate to Associate of Science degree and on, if the student wishes, to the Bachelor of Science degree.

The credits accumulate, so the student who earns the bachelor’s degree will have completed requirements for all three programs.

**Prerequisites (12 credits)**

3 ENGL 101 English Composition I  
3 OLS 252 Human Relations in Organizations  
3 OLS 274 Applied Leadership  
3 COM 114 Fundamentals of Speech Communication

**Required Technical Courses (15 credits)**

3 OLS 372 Staffing and Performance Appraisal  
3 OLS 378 Labor/Management Relations  
3 OLS 376 Human Resource Issues  
3 ENGL 102 English Composition II  
3 OLS xxx Elective

Total credits required for certificate: 27

A minimum of 15 credits must be taken at Purdue University North Central. All certificate track students must meet admission requirements of the College of Business and be admitted to the organizational leadership and supervision program. This certificate plan of study is an entry-level, pre-associate degree program.

A 2.0 GPA is required to pursue an Associate of Science Degree in OLS.
INDUSTRIAL ENGINEERING TECHNOLOGY

Associate of Science Degree in Industrial Engineering Technology

Accredited by the Technology Accreditation Commission of ABET, Inc., 111 Market Place, Suite 1050, Baltimore, MD 21202, Telephone: 410-347-7700.

This major field of specialization is designed to develop technicians to support the problem-solving and decision-making functions in management and to prepare for production planning and control, work method analysis, work measurement, quality assurance and improvement, and systems and procedures analysis. Practical applications of production and service operations are stressed.

The industrial engineering technician is initially employed in the industrial engineering, quality control, process improvement, manufacturing engineering, production control, process engineering or facility planning department. With increased experience the student may advance within the department, directly assisting a professional industrial engineer, or may become a production supervisor. This broad technical background, together with the human relations background and a proficiency in engineering methods and mathematics, enables the industrial engineering technician to take advantage of opportunities for advancement in many directions.

Graduates may continue their education toward the Bachelor of Science degree in Engineering Technology with an emphasis in industrial engineering technology at Purdue University North Central.

GENERAL PLAN OF STUDY INDUSTRIAL ENGINEERING TECHNOLOGY

Freshman Year

First Semester

<table>
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<tr>
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Second Semester

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<tr>
<td>3</td>
<td>IET 204 Techniques of Maintaining Quality</td>
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<td>IET 266 Work Measurement &amp; Incentives</td>
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<td>IET 296 Industrial Technology Case Problems</td>
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<td>IET 252 Techniques of Indirect Labor Control</td>
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<td>IET 301 Cost Evaluation and Control</td>
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<td>IET 312 Materials Handling</td>
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<td>MFET 243 Automated Manufacturing I</td>
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<td>IET 344 Introduction to Simulation</td>
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<td>IET 364 Total Quality Management</td>
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<td>IET 411 Principles of Lean Thinking</td>
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<td>Total credits required for associate degree: 68</td>
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**Note to students pursuing the Bachelor of Science degree:**
(See BS-ET degree/IET Option plan of study, located under ENGINEERING TECHNOLOGY heading.)
Bachelor of Liberal Studies

The liberal studies baccalaureate program was designed by the faculty of Purdue University North Central to meet the educational needs of those students who desire a broad exposure to the humanities, social sciences, physical sciences, mathematics, and technology. The program is offered at the North Central campus in conjunction with the College of Liberal Arts of Purdue University at West Lafayette.

Each student will follow an appropriate course of study approved by an advisor, which will include a primary and secondary area of study (concentrations) specifically designed to meet the needs and career goals of the individual. The electives enable the student to pursue areas of personal interest.

In addition, the liberal studies program is designed to permit the individual who has earned credits at other colleges, or in other programs, or who has earned an associate degree, to incorporate previously earned credits into a baccalaureate program which can be completed at Purdue University North Central.

Core Requirements (45 credits)

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<tr>
<th>Credits</th>
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<tr>
<td>6</td>
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<td>Speech Communication</td>
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<tr>
<td>6</td>
<td>Mathematics/Statistics</td>
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<tr>
<td>6</td>
<td>Natural Science</td>
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<tr>
<td>9</td>
<td>Western Heritage/Social Ethics/ Individual &amp; Society</td>
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<tr>
<td>3</td>
<td>United States Tradition</td>
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<td>3</td>
<td>Other Cultures/Global Awareness</td>
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<td>3</td>
<td>Aesthetic Awareness</td>
</tr>
<tr>
<td>3</td>
<td>Race/Ethnic Diversity</td>
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<tr>
<td>3</td>
<td>Gender Issues</td>
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</tbody>
</table>

Other Requirements (81 credits)

Concept Development

12 credits may be in either Foreign Languages or Statistics and Computers

Primary area of study

A minimum of 30 credits is required (ordinarily distributed among three or more departments) taken beyond the core. The primary area of study must be agreed upon by the student and the academic advisor. The primary areas of study include but are not limited to:

- Humanities: creative arts, foreign literature, literature, philosophy, history.
- Social and behavioral sciences: economics, political science, psychology, sociology.
- Natural science and mathematics: biology, chemistry, mathematics, physics.
- Various technology and interdisciplinary areas.
- A minimum of 21 credits must be taken in a secondary area of study.
- Electives - 18 credits maximum.
- Total credits required for baccalaureate degree: 126
Other Requirements and Limitations

- A minimum of 30 credits must be taken at the 300 level or above.
- A minimum of 30 credit hours must be taken at Purdue University North Central.
- A minimum of 32 credits must be taken at a campus of Purdue University at the junior level or above.
- Students must have a completed plan of study on file with the Social Sciences Department by the junior year. Otherwise, on-time graduation cannot be assured.
- A maximum of six courses from any one department may be counted toward the fulfillment of the degree requirement. (In exceptional cases, the Liberal Studies Oversight Committee, instituted to oversee the entire Bachelor of Liberal Studies degree program, may extend this maximum course allowance by one course).
- MA 111 is accepted for credit in the School of Liberal Arts.
- English 100 is accepted for credit in the School of Liberal Arts.
- GNC 100 is accepted for credit in the School of Liberal Arts.
- A maximum of 50 percent of the primary area and 50 percent of the secondary area can be transferred courses from universities other than Purdue.
Bachelor of Science Degree in Mechanical Engineering

The Bachelor of Science degree in Mechanical Engineering is one of the original engineering disciplines. It focuses on the fundamentals of engineering necessary to meet the problem solving requirements for today's society. The objectives of the program are to prepare students for successful careers and life-long learning by providing a solid foundation in the principles of mechanical engineering; to train students in the mathematical and computational skills appropriate for engineers to use when solving problems; to help students develop skills pertinent to the design process, to think creatively, to communicate effectively, to synthesize information and to work collaboratively; and, to implant in the student an understanding of their professional and ethical responsibilities.

The mechanical engineering degree at Purdue North Central (PNC) is rigorous and traditional in many respects. The core curriculum is standard and covers all of the material expected in a mechanical engineering program. The program at PNC does have several additional features.

The program is student oriented and pro-active. The freshman year includes two bridge courses of five credits each. Each course includes a learning lab that allows the faculty member to work individually with each student to assess their needs and provide assistance to the specific academic needs of each student relative to the course material. The sections are small and the bridge courses prepare the students to succeed in calculus and the sophomore engineering courses that can create difficulties. All students that enter the PNC program are expected to succeed. This is the primary focus of the bridge courses... provide a successful learning experience for every student. The bridges courses are not offered at most engineering schools.

PNC uses the engineering lab courses to strengthen the student's communication skills. Each lab includes a written report for each experiment and an oral presentation to the class members and faculty member. The lab courses begin in the fall semester of the sophomore year and continue through the last semester. In this way, each student will have experience in developing communication skills at a higher level rather than one course in communication. This is a different approach than traditional schools and provides opportunities for students to evaluate their communication needs and continually improve through their senior year.

The students are also exposed to several computational tools in the freshman bridge courses. These include Excel, Matlab, C++ and more. Each engineering course after the freshman year will build on these tools by including homework problems that require their use. In this way, the computational tools are learned across the curriculum rather than in one or two courses. PNC engineering faculty take extra effort to structure the problems each semester to strengthen the student's knowledge in the tools and make sure that the lessons learned are repeated and not forgotten. This is another unique feature of a PNC engineering education.

Each student is also asked to choose one engineering minor after the sophomore year. The options are electrical engineering, civil engineering, and industrial engineering. The minor sequence requires 15 credits. There are several dual listed courses that usually leave two or three courses to be chosen. A student graduating from PNC will have a strong background not only in Mechanical Engineering (ME), but also Electrical and Civil Engineering. Industrial Engineering is also a possibility if the student chooses that option for a minor.

Mechanical engineers can expect to find job opportunities across the nation. Mechanical Engineering is a broad field with graduates working in many industries. Mechanical Engineering graduates are in high demand with the ME degree being one of the top ten degrees in demand by industry. There are currently over 225,000 mechanical engineering jobs in the U.S. The number of new job opportunities for mechanical engineers is expected to grow more than ten percent over the next few years.
**GENERAL PLAN OF STUDY: MECHANICAL ENGINEERING**

The following is a sample plan of study. Visit the College of Engineering and Technology at www.pnc.edu/academics/cet.html for the most current information.

**Freshman Year**

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<th>First Semester</th>
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**Sophomore Year**

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**Junior Year**

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### Senior Year

#### Seventh Semester

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Total credits required for baccalaureate degree: 129

### MINORS IN ENGINEERING

- Civil Engineering
- Electrical Engineering
- Industrial Engineering
ASSOCIATE OF SCIENCE DEGREE IN MECHANICAL ENGINEERING TECHNOLOGY

This program of study is designed to prepare students for employment in manufacturing and production industries. Emphasis is on the generation, transmission, and utilization of mechanical and fluid energy for the purpose of design and production of tools, machines, and their products. Graduates accept jobs in laboratories, engineering departments, plant maintenance, production departments, and technical sales. The promotion to positions such as industrial supervisors, machine and tool designers, technical buyers, production expeditors, and cost estimators is possible with additional industrial expertise.

Upon completing the associate degree, many students continue their education and complete the Bachelor of Science Degree in Mechanical Technology, since the plan of study for the associate degree constitutes the first two years of the four year bachelor degree program.

GENERAL PLAN OF STUDY: MECHANICAL ENGINEERING TECHNOLOGY

Freshman Year

First Semester

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<th>Title</th>
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<tbody>
<tr>
<td>3 MET 141</td>
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<tr>
<td>1 MET 162</td>
<td>Computational Analysis Tools in MET</td>
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<td>Technical Graphics Communications</td>
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</tr>
<tr>
<td>3 ENGL 101</td>
<td>English Composition I</td>
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</tr>
<tr>
<td>3 MA 153</td>
<td>Algebra and Trigonometry I</td>
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</tr>
<tr>
<td>3</td>
<td>Humanities or Social Science Elective</td>
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Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>3 MET 111</td>
<td>Applied Statics</td>
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<tr>
<td>3 MET 142</td>
<td>Manufacturing Processes I</td>
<td></td>
</tr>
<tr>
<td>3 CGT 290A</td>
<td>Computer-Aided Drafting and Design</td>
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<tr>
<td>3 MA 154</td>
<td>Algebra and Trigonometry II</td>
<td></td>
</tr>
<tr>
<td>3 COM 114</td>
<td>Fundamentals of Speech</td>
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Sophomore Year

Third Semester

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<tr>
<td>4</td>
<td>MET 211</td>
<td>Applied Strength of Materials</td>
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<tr>
<td>3</td>
<td>MET 213</td>
<td>Dynamics</td>
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<tr>
<td>3</td>
<td>MET 230</td>
<td>Fluid Power</td>
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<tr>
<td>3</td>
<td>MET 242</td>
<td>Manufacturing Processes II</td>
</tr>
<tr>
<td>3</td>
<td>MA 223</td>
<td>Introductory Analysis I</td>
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<tr>
<td>4</td>
<td>PHYS 220</td>
<td>General Physics I</td>
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Fourth Semester

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<tbody>
<tr>
<td>3</td>
<td>MET 102</td>
<td>Production Design and Specifications</td>
</tr>
<tr>
<td>3</td>
<td>MET 214</td>
<td>Machine Elements</td>
</tr>
<tr>
<td>3</td>
<td>MET 220</td>
<td>Heat / Power</td>
</tr>
<tr>
<td>4</td>
<td>PHYS 221</td>
<td>General Physics II</td>
</tr>
<tr>
<td>4</td>
<td>ECET 213</td>
<td>Survey of Electricity &amp; Electronics</td>
</tr>
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</table>

Electives

Social Science/Humanities

- English, History, Philosophy, Anthropology, Sociology, Psychology, Economics, Political Science. (Excluded: ROTC, Band, Education)

Total credits required for associate degree: 68

Mechanical Engineering Technology Certificate

This certificate program is designed to respond to regional industrial needs for upgrading Engineering Technology department personnel in specific technical areas. The individual who is working in an engineering or an engineering certificate related area without benefit of a formal educational background will be brought to a high degree of specialization within a structured time period by utilizing only existing courses.

Upon completion, the participant will be awarded an appropriate occupational certificate. The program is divided into two segments:

Required Section (12 credits)

<table>
<thead>
<tr>
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<th>Course</th>
<th>Title</th>
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<tr>
<td>3</td>
<td>MET 141</td>
<td>Materials I</td>
</tr>
<tr>
<td>3</td>
<td>CGT 110</td>
<td>Technical Graphics Communications</td>
</tr>
<tr>
<td>3</td>
<td>CGT 290A</td>
<td>Computer-Aided Drafting and Design</td>
</tr>
<tr>
<td>3</td>
<td>MA 153</td>
<td>Algebra and Trigonometry I</td>
</tr>
</tbody>
</table>

Basic Specialty Section (12 credits)

This consists of four additional technical courses which are considered as basic to the particular engineering technology used in the student's employment department. These are selected jointly by the student, the student's supervisor and the academic advisor to strengthen a particular technical engineering area with the understanding that all course prerequisites have been met. The courses in this section will be chosen to build upon knowledge and experience which the student has gained from previous courses and from work experience.

The technical courses offered will be those at the 100 and 200 level which are appropriate for inclusion in an approved mechanical engineering technology associate degree program. Certain approved 300 level courses may also be elected providing prerequisite courses are completed.

Total credits required for certificate: 24
Mechanical technology includes the integration of methods, materials, machinery, and human resources found in today's modern industries. Scientific, engineering, and manufacturing principles are applied to the following technical areas: design and development; manufacturing and production; quality control and cost analysis; the generation, transmission, and utilization of mechanical energy, fluid energy, and thermodynamic energy.

Graduates of the mechanical engineering technology program, described in the associate degree section, are eligible to enter into this two-year capstone curriculum, offered at Purdue University North Central. The B.S. program prepares graduates for technical positions in manufacturing and production industries. Technologists fill a wide variety of industrial positions in manufacturing, production, supervision, plant operations, and product development.

The primary goal of the curriculum is to provide all graduates with a solid technical foundation which will enable them to adapt readily, and grow into a wide variety of employment opportunities.

Upper division MET courses are offered on a two-year cycle.

**GENERAL PLAN OF STUDY: MECHANICAL TECHNOLOGY**

**Junior Year**

**Fifth Semester**

<table>
<thead>
<tr>
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<tr>
<td>3</td>
<td>Mechanical Engineering Technology Elective</td>
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<tr>
<td>3 C&amp;IT 175</td>
<td>Visual Programming</td>
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<tr>
<td>3 ECON 210</td>
<td>Principles of Economics</td>
</tr>
<tr>
<td>3 MA 224</td>
<td>Introductory Analysis II</td>
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<tr>
<td>3 CHM 111</td>
<td>General Chemistry</td>
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**Sixth Semester**

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<tr>
<td>3 MET 320</td>
<td>Applied Thermodynamics</td>
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<tr>
<td>3 ENGL 102</td>
<td>English Composition II</td>
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<tr>
<td>3 STAT 301</td>
<td>Elementary Statistical Methods</td>
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<tr>
<td>3 MET 382</td>
<td>Controls and Instrumentation for Automation</td>
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<tr>
<td>3</td>
<td>Mechanical Engineering Technology Elective</td>
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### Senior Year

#### Seventh Semester

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<tr>
<td>3</td>
<td>MET 344</td>
<td>Materials II</td>
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<tr>
<td>2</td>
<td>MET 499A</td>
<td>Mechanical Design I</td>
</tr>
<tr>
<td>3</td>
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<td>Communications Selective</td>
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<tr>
<td>3</td>
<td></td>
<td>Humanities or Social Science Elective</td>
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<tr>
<td>3</td>
<td></td>
<td>Mechanical Engineering Technology Elective</td>
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<tr>
<td>3</td>
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<td>Basic Science or Interdisciplinary Elective</td>
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#### Eighth Semester

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<tr>
<td>3</td>
<td>MET 313</td>
<td>Applied Fluid Mechanics</td>
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<tr>
<td>1</td>
<td>MET 499B</td>
<td>Mechanical Design II</td>
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<tr>
<td>3</td>
<td>IET 451</td>
<td>Monetary Analysis for Industrial Decisions</td>
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<tr>
<td>3</td>
<td>ENGL 421</td>
<td>Technical Writing</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Organizational Leadership and Supervision or Management Elective</td>
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</table>

### ELECTIVES

**Basic Science or Interdisciplinary**

300 or 400 level courses in ECET, Engineering, CS, IET, Chemistry, Mathematics, Physics, Statistics that extends beyond required courses.

**Social Science/Humanities**


**OLS/Management**

Any Management or OLS course.

**Mechanical Engineering Technology**

300/400 level MET courses which are not required.

**Communications Selective**

COM 315, COM 320 or COM 415

Total credits required for baccalaureate degree: 128
Bachelor of Science Degree with a Major in Nursing

For the student who wishes to major in nursing, Purdue North Central offers two degree options: The Associate of Science (AS) and the Bachelor of Science (BS), both with a major in Nursing.

The Bachelor of Science degree (BS) was offered for the first time in Fall 2004 through an RN-BS upper division completion plan of study. The RN-BS completion plan of study builds on the autonomous long-standing Associate of Science (AS) two-year program. Both the AS program and RN-BS program are approved by the Indiana State Board of Nursing and accredited by the National League for Nursing Accrediting Commission (NLNAC). The RN-BS completion plan of study prepares graduates for leadership roles and graduate study in nursing by providing a broad foundation in general studies, sciences and nursing. The graduate is prepared to synthesize theory and research based knowledge in provision of care to the client, family and community in a global society with flexibility to adapt to the changing nature of health care and health care roles, integrate care across multiple settings, and manage the interactions between and among components of the integrated networks of health care services.

ASSOCIATE DEGREE GRADUATES CONTINUE INTO BACHELOR DEGREE PROGRAM

Students graduating from Purdue University North Central's Associate degree nursing program can continue into the upper division plan of study by contacting their individual faculty advisor and developing a plan of study. Returning AS graduates simply fill out a re-entry application. Successful graduates of any NLNAC accredited AS program will find the BS completion plan accessible and affordable. Transfer students are evaluated according to the RN-BS criteria for admission.

MISSION

The Purdue University North Central Department of Nursing programs provide educational opportunities for both traditional and non-traditional students leading to the granting of the Associate of Science degree and the Bachelor of Science degree in nursing.

The nursing faculty is committed to:

1. Nursing as a discipline and profession.
2. Providing, assessing and enhancing the elements of learning, discovery and engagement through personal and professional growth and life long learning.
3. Educational programs that prepare university educated nurses who have acquired the essential elements of general education as defined by Purdue University and the essential nursing knowledge and professional education necessary for excellence in the practice of nursing.
4. Sustained efforts to enhance student learning and professional development with an emphasis on integration of general education and nursing science as a guide to nursing practice toward improving health and quality of life for society.

Traditional and emerging nursing paradigms will provide inclusive, active, and creative teaching-learning processes; holistic, evidence-based nursing care of clients across the life span in a variety of structured and unstructured settings and communities; and insure leaders of change toward health and quality of life for diverse individuals and communities.

Nursing Program Philosophy

The Nursing Faculty articulates a philosophy for the Nursing Program congruent with the mission statement of Purdue University North Central that defines their beliefs regarding the concepts of person, environment, health, and nursing
as follows:

**Person**, which includes individuals, families, and communities, is a uniquely holistic body - mind - spirit. Each person chooses and participates in health decisions.

**Environment** is an ever changing unity of systems and processes in which a person lives.

**Health** is the harmony of the mind-body-spirit. It is the living of optimal well being and quality of life.

**Nursing**, as a discipline, is the holistic study of person, health, and environment. The nursing profession utilizes a unique body of knowledge to care for the person.

The graduate provides quality nursing care guided by nursing theory, research, and professional standards. Graduates function autonomously and collaboratively with interdisciplinary teams.

Unique nursing knowledge is enhanced by the humanities and the biological, physical, and social sciences to form the foundation of nursing practice. The teaching – learning process is a mutual effort of faculty and students that fosters critical thinking, and personal and professional growth. The teaching – learning process proceeds from simple to complex concepts. Accountability of the educational process is demonstrated by assessment of student learning outcomes.

The **Associate Degree Nursing Program** prepares graduates for entry level nursing staff positions and upper division undergraduate studies by providing a foundation in general studies, sciences, and nursing. The graduate is prepared to provide and manage holistic, evidence-based nursing care of individuals across the life span in a variety of structured settings.

The **Baccalaureate Degree Nursing Program** prepares graduates for practice, leadership roles, and graduate study. The graduate is prepared to utilize theory and research-based knowledge in the provision of holistic care to the individual, family, and community in a global environment.

**BACHELOR OF SCIENCE DEGREE IN NURSING PROGRAM GOALS:**

1. Utilize a holistic approach to identify needs of individuals, families, and communities toward maximizing positive health outcomes.
2. Incorporate evolving social, cultural, and health care delivery trends in the provision of optimal health care to individuals, families, and communities.
3. Apply theory guided, evidence-based practice to provide quality care to individuals, families, and communities.
4. Evaluate outcomes to provide quality care in collaboration with individuals, families, and communities.
5. Demonstrate effective communication in collaboration with individuals, families, communities and the interdisciplinary team members.
6. Integrate teaching-learning processes in the delivery of health care to individuals, families, and communities.
7. Articulate personal goals for professional development.
8. Demonstrate accountability for practice within the legal and ethical standards of the nursing profession.
9. Demonstrate leadership in coordination of health care and management of resources, technology, finance, and personnel.
10. Utilize continuous improvement processes to promote positive health outcomes and quality of life.

**BS ADMISSION CRITERIA**

Enrollment in the Purdue University North Central (PNC) BS Nursing Program is limited and not all qualified applicants may be offered admission. The applicant selection process utilized is based on enrollment, faculty, and objective criteria of applicant qualifications that serve to select the best candidates for admission from the pool of qualified individuals.

The admission criteria for the BS First Year Nursing Program are as follows:

- Admission to the University
- SAT composite 1400 or equivalent ACT
- Cumulative GPA 2.75 or better on 4.0 scale
- All courses required for admission must be completed with a “C” or better
- 8 semesters of English
• Must have 6 semesters of college preparatory mathematics courses with a cumulative GPA of 2.75 or better on a 4.0 scale
  - Algebra
  - Geometry
  - Calculus
  - Trigonometry
  - Courses not included are: Pre-algebra, General Mathematics, Computer Mathematics, Consumer Mathematics and Business Mathematics.

• Must have 6 semesters of college preparatory science courses with a cumulative GPA ≥ 2.75 on a 4.0 scale
  - 2 semesters of Biology
  - 2 semesters Chemistry
  - 2 additional semesters of a lab science (Advanced Biology, Advanced Chemistry, Physics)
  - Courses not included are non-college preparatory introductory science courses

Requirements for Progression to Nursing Program (year 2)
• Must submit a “Letter of Intent to Progress” (form available in the nursing office) to the Department of Nursing office prior to the mid-semester break of the second semester First-Year Nursing program
• Must have a minimum cumulative GPA of 2.75 on a 4.0 scale on required First-Year Nursing courses (or be currently enrolled in the courses)
  - Biology 213/214/221
  - Chemistry 119
  - English 101/102
  - NUR 107: Introduction to Professional Nursing
  - NUR 218: Human Development and Health Promotion
  - Psychology 120
  - Elective
• First-Year Nursing must be completed within two academic years, once begun
  - Completion of a standardized entrance exam
• Must have submitted the following required documentation no later than two weeks prior to the start of the academic semester:
  - Comprehensive physical examination completed within the last 12 months *
  - Required immunizations*
  - PPD or chest x-ray*
  - American Heart Association (AHA) Health Care Provider Cardiopulmonary Resuscitation (CPR)
  - Criminal Background Check*

* Policies and forms available in the Nursing Student Manual on the Department of Nursing website at www.pnc.edu

• Upon enrollment in the first clinical nursing course must have malpractice insurance purchased through the University

RN-BS ADMISSION CRITERIA
The admission criteria for the RN-BS completion option is as follows:
1. Successful completion of an NLN accredited associate degree or diploma program in nursing.
2. Admission to PNC as a degree seeking student.
3. GPA of 2.0 on a 4.0 scale.
4. Transfer credit will be awarded for courses completed with a minimum grade of “C”.

In addition the RN-BS nursing student will:
• Be licensed as a Registered Nurse in the State of Indiana prior to practicum coursework.
• Provide a copy of a current physical examination
• Provide a copy of current immunizations
• Provide results of annual PPD, or chest x-ray
• Provide a copy of a current American Heart Association CPR card
• Purchase PNC nursing student liability insurance prior to enrollment in the first practicum nursing course
• Submit results of the limited adult criminal history background check.

GENERAL PLAN OF STUDY: BACHELOR OF SCIENCE DEGREE

First Semester

BIOL 213 Human Anatomy and Physiology, Cr. 4, Cl. 3, Lab. 2
CHM 119 General Chemistry, Cr. 3, Cl. 2, Lab. 3
ENGL 101 English Composition I, Cr. 3, Cl. 3
PSY 120 Elementary Psychology, Cr. 3, Cl. 3
NUR 107 Introduction to Professional Nursing, Cr. 3, Cl. 3

Total Credits: 16

Second Semester

BIOL 214 Human Anatomy and Physiology, Cr. 4, Cl. 3, Lab. 2
BIOL 221 Introduction to Microbiology, Cr. 4, Cl. 3, Lab. 2
ENGL 102 English Composition II, Cr. 3, Cl. 3
Elective Ma 152 or MA 153, Cr. 3, Cl. 3
NUR 218 Human Development & Health Promotion, Cr. 3, Cl. 3

Total Credits: 17

Third Semester

PCTX 201 Introductory Pharmacology, Cr. 3, Cl. 3
SOC 100 Introductory Sociology, Cr. 3, Cl. 3
NUR 223 Foundations of Nursing Practice, Cr. 5, Cl. 3, Lab. 6
NUR 219 Health Assessment, Cr. 3, Cl. 2, Lab 3
NUR 347 Nursing Theory & Research I, Cr. 3, Cl. 3

Total Credits: 17

Fourth Semester

STAT 301 or equivalent Elementary Statistical Methods, Cr. 3, Cl. 3
F&N 303 Essentials of Nutrition, Cr. 3, Cl. 3
NUR 201 Pathophysiology for Nursing Practice, Cr. 3, Cl. 3
NUR 204 Psychosocial Health Nursing, Cr. 4, Cl. 3, Lab. 3
NUR 357 Nursing Theory & Research II, Cr. 3, Cl. 3

Total Credits: 16

Fifth Semester

Elective C&IT 107, Computer Literacy, Cr. 3, Cl. 3
NUR 333 Adult Health Nursing I, Cr. 5, Cl. 3, Lab 6
NUR 335 Women and Newborn Health, Cr. 4, Cl. 3, Lab. 3
NUR 349 The Health Care System in the US, Cr. 3, Cl. 3

Total Credits: 15
Sixth Semester

Elective  COMM 114, Cr. 3, Cl. 3
NUR 389  Family Health Nursing, Cr. 3, Cl. 3
NUR 395  Children's Health Nursing, Cr. 4, Cl. 3, Lab. 3
NUR 443  Adult Health Nursing II, Cr. 5, Cl. 3, Lab 6
Total Credits: 15

Seventh Semester

NUR 353  Health Care Informatics, Cr. 3, Cl. 3
NUR 421  Community Health Nursing, Cr. 5, Cl. 3, Lab 6
NUR 493  Advanced Adult Health Nursing, Cr. 5, Cl. 3, Lab 6
Total Credits: 13

Eighth Semester

Elective  Humanities, Cr. 3, Cl. 3
Elective  Philosophy, Cr. 3, Cl. 3
NUR 438  Nursing Management & Leadership, Cr. 3, Cl. 3
NUR 495  Baccalaureate Nursing Capstone, Cr. 4, Cl. 1, Lab 9
Total Credits: 13

Total Credits for BS degree: 122

GENERAL PLAN OF STUDY: RN-BS COMPLETION UPPER DIVISION

Fifth Semester

NUR 331  Transition to Baccalaureate Nursing, Cr. 3, Cl. 3
NUR 347  Nursing Theory and Research I, Cr. 3, Cl. 3
NUR 349  The Health Care System in the United States, Cr. 3, Cl. 3
MA 153 or  Algebra & Trigonometry I, Cr. 3, Cl. 3
MA 152  College Algebra for Liberal Arts, Cr. 3, Cl. 3
Elective  (C&IT) Cr. 3, Cl. 3
Total Credits: 15

Sixth Semester

NUR 357  Nursing Theory and Research II, Cr. 3, Cl. 3
NUR 389  Family Health Nursing, Cr. 3, Cl. 3
STAT 301  Elementary Statistical Methods, Cr. 3, Cl. 3
ENGL 102  Cr. 3, Cl. 3, Lab. 0
Elective  Free, Cr. 3, Cl. 3
Total Credits: 15

Seventh Semester

NUR 353  Health Care Informatics, Cr. 3, Cl. 3
NUR 421  Community Health Nursing, Cr. 5, Cl. 3, Lab. 6
Elective  Humanities, Cr. 3, Cl. 3
Total Credits: 11
Eighth Semester

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<td>Nursing Management and Leadership</td>
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<td>NUR 496</td>
<td>RN/BS Nursing Capstone</td>
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<td>Elective</td>
<td>Communication</td>
<td>3</td>
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<tr>
<td>Elective</td>
<td>Philosophy</td>
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Total Credits: 12

Total Credits for BS Degree for the RN-BS student: 121 (Includes lower division Associate Degree coursework. See graduation criteria.)

**BS GRADUATION CRITERIA**

Upon successful completion of either the BS or the RN-BS completion general plan of study a Bachelor of Science degree with a major in nursing is granted. Graduates must complete the credit hours required in the appropriate plan of study, have at least 32 of the upper division credit hours earned at Purdue University North Central, a minimum graduation index of 2.0 on a 4.0 scale must be earned in all Purdue University courses, all required non-nursing and nursing courses must be completed with a grade of “C” or better, and the student must have earned a minimum total of 121 credit hours.

**ADDITIONAL INFORMATION FOR ALL BS NURSING STUDENTS**

Students are expected to complete the BS plan of study within 9 semesters after admission into the Bachelor of Science nursing program. This does not include time spent in the First Year Nursing program. Students are expected to complete the RN-BS completion plan of study within eight semesters after admission to the RN-BS nursing program. Students cannot take a course without meeting the pre-requisite and co-requisite requirements.

All students are expected to meet program requirements in relationship to university admission procedures, advanced placement, health examination, CPR certification, liability insurance, limited adult criminal background check, and clinical laboratory/practicum guidelines.

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**Associate of Science Degree with a Major in Nursing**

The associate degree nursing program prepares men and women for careers in nursing. After successful completion of the program, an Associate of Science degree with a major in Nursing (AS) is granted. Graduates are eligible to take the National Council Licensure Examination (NCLEX) to earn licensure as registered nurses in Indiana. Indiana statutes mandate some restrictions on eligibility for licensure as a registered nurse. These restrictions primarily regard actions to protect the public from harm by individuals who may have a background of criminal, disciplinary, or substance abuse activities. Further information regarding these restrictions may be obtained from the Department of Nursing office. The associate degree nursing program is accredited by the Indiana State Board of Nursing, Health Professions Bureau, 402 W. Washington St., Room W072, Indianapolis, IN 46204; 317-234-2043; http://www.in.gov/pla/bandc/lsbn/ and by the National League for Nursing Accrediting Commission, 61 Broadway, 33rd Floor, New York, NY 10006; 800-669-1656; http://www.nlnac.org/home.htm.

The AS program prepares graduates for entry level nursing staff positions and upper division undergraduate studies by providing a strong foundation in science and nursing. The graduate is prepared to provide and manage the holistic, evidence-based nursing care of clients across the life span in a variety of structured settings. The graduate is also prepared to function collaboratively as a member of the multidisciplinary health care team.

**PURDUE UNIVERSITY NORTH CENTRAL ASSOCIATE OF SCIENCE DEGREE WITH A MAJOR IN NURSING (AS) PROGRAM GOALS:**

1. Utilize the holistic approach to identify client needs towards maximizing human potential.
2. Identify evolving societal and health care delivery trends that impact on providing optimal client care.
3. Utilize the nursing process to provide individualized care for culturally diverse clients of all ages with consideration for their relationship within a family, group and/or community.
4. Provide evidence based client care that is supportive of optimal health.
5. Utilize outcome measurements to assure cost effective quality care for a group of clients.

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Purdue University North Central 2008-2009
6. Interact with clients, families, significant others, and interdisciplinary health team members to maintain effective communications in client care management activities.
7. Utilize information technology in delivery of health care.
8. Demonstrate accountability for practice within the legal and ethical parameters of the nursing profession.

AS ADMISSION CRITERIA
Enrollment in the Purdue University North Central Associate Degree nursing program is limited and not all qualified applicants may be offered admission. The applicant selection process utilized is based on objective criteria of applicant qualifications that serve to select the best candidates for admission from the pool of qualified individuals.

High School Requirements:
- 6 Semesters Academic Math (Algebra, Geometry, Calculus, Trigonometry, etc.)
- 6 Semesters Laboratory Science, including 2 of Biology and 2 of Chemistry
- 8 Semesters English
- Class Rank: Upper Half Quality
- SAT or ACT scores (if you graduated from high school within the past 3 years)
- Additional courses in academic math, sciences, computer science and communication are strongly encouraged.

Categories of Admission to AS in Nursing
There are three categories of admission to the PNC Nursing AS program:
1. Candidates without college credits
2. Candidates with college credits
3. LPN transition program

Selection criteria includes high school courses in the sciences, 2.5 GPA on a 4.0 scale, ACT or SAT test scores, past academic performance, and success patterns, and completion of a standardized preadmission assessment test.

General Information for All Nursing Students (AS & BS)

HEALTH EXAMINATION
An initial physical examination and annual laboratory tests are required of all students enrolled in the nursing program to meet the contractual agreements of Purdue University North Central with the affiliating agencies utilized for clinical/practicum experiences throughout the program. The required physical examination form must be completed and received in the Department of Nursing office by July 1 for Fall Semester admissions and by November 1 for Spring Semester admissions. Results of required annual laboratory tests must be received in the Department of Nursing office by the above specified date for student participation in clinical laboratory/practicum assignments.

CPR CERTIFICATION
Certification to perform cardiopulmonary resuscitation (CPR) is required of all students enrolled in the nursing program. The American Heart Association course for health professionals is necessary to meet the certification requirement. CPR certification must be kept current. A copy of the current CPR certification card is to be received in the Department of Nursing office by July 1 for Fall Semester admissions and by November 1 for Spring Semester admissions. Current CPR certification is required to participate in clinical/practicum experience.

LIABILITY INSURANCE
Students are required to participate in the University-wide nursing student liability insurance program. Liability insurance coverage is obtained through the University and fee payment is made with the Bursar's Office on the North Central campus. Fee statements are issued annually during the student's enrollment in the nursing program. Payment of fees must be received by the date indicated on the fee statement. Liability insurance is required to participate in clinical/practicum agency experiences.
LIMITED ADULT CRIMINAL BACKGROUND CHECK

Students are required to complete a limited adult criminal background check prior to any clinical or practicum attendance.

TRANSFER STUDENTS

Students transferring from another college or university must comply with the following admissions procedures:

• Submit an application for admission and an official high school transcript.

• Forward official transcripts of work done in institutions previously attended (both high school and college). A separate transcript must be sent directly from each institution, regardless of whether credit is requested. A student transferring from another college, university, or Purdue campus may be admitted to the nursing program based on past academic performance and other relevant data. Criteria will be applied in a manner consistent with Department of Nursing policies in effect at the time the application is submitted.

• Transfer applications from students who have completed a nursing course or courses at another institution will be considered on an individual basis. Qualified students will be admitted as space is available in the required nursing course(s). For further information, contact the Department of Nursing chairperson.

• To be eligible for consideration, students must meet the academic and subject-matter requirements and be in good academic and disciplinary standing at the college(s) previously attended.

CLINICAL/PRACTICUM

Clinical/practicum experiences are available in various health agencies in LaPorte, Porter, Lake, and the surrounding counties. Experiences in agencies differ in size and client population to broaden student learning. Students must provide their own transportation. Students select clinical/practicum laboratory sections when they register for the course.

PROGRESSION REQUIREMENTS

After the first clinical nursing course, a student in the AS or BS nursing program must be enrolled in a clinical nursing course each semester in order to progress and remain in the nursing program. Students in the RN-BS program are not subject to this requirement. In addition to the University scholastic requirements, the nursing program requires that any student earning a grade lower than a C in any required course within the plan of study must repeat that course satisfactorily. One nursing course may be repeated one time only. Failure to earn a grade of C or better in two (2) nursing course attempts or in any three (3) required non-nursing courses will result in dismissal from the nursing program. Any student who departs from the approved plan of study for any reason progresses on a space available basis. Basic skills in mathematics and proficiency in drug dosage calculations are required throughout the nursing program faculty rights and responsibilities

The faculty reserve the right to update and otherwise revise the curriculum. Such information will be transmitted through notices and publications.

Each academic year, graduates of all nursing programs are recognized for their degree achievement at the Purdue University North Central commencement ceremony in the spring. Any additional celebrations not approved by the Department of Nursing must be held off campus.

TRANSFER (OR ADVANCED) CREDIT

Credit for non-nursing courses at Purdue University will be given for work of equivalent character and amount successfully completed at another accredited college. Advance standing will be determined on the basis of these credits. Advanced credit will be regarded as provisional and may be withdrawn by the Office of Admissions upon recommendation of the department concerned if dependent work is not satisfactorily completed.

When credit earned at another college or university is transferred to Purdue and accepted toward advanced standing, the credit is converted into terms of Purdue courses and applied to the program of study. It does not follow that the student’s classification in the University or the time necessary for completion of the required work for a degree will be in line with that which was expected at the previous institution. Grades are not transferred; only credit in the course is recorded.

Credit may be granted for nursing, science, or general education studies courses taken more than 10 years ago.
LPN CREDIT BY EXAMINATION (ADVANCED PLACEMENT)

A credit by examination advanced placement option is offered to Licensed Practical Nurses (LPNs) qualified to enter the Purdue University North Central associate degree nursing program. The National League for Nursing (NLN) RN Mobility Tests, parts I and II, are utilized to establish credit by examination. A fee is charged by the NLN for administration of each test. For further information, contact the Department of Nursing office.

ADVANCED PLACEMENT REQUIREMENTS

To meet the qualifications for participation in the LPN mobility option, the applicant must meet the admission requirements for the nursing program as well as the general University admission requirements and must possess an active LPN license. Specific requirements for advanced placement include:

- Admission to the University;
- A minimum of 6 credit hours of completed anatomy and physiology course work transferable for Purdue University credit;
- A minimum GPA of 2.5 or better in previous course work;
- Successful performance on the National League for Nursing (NLN) LPN to RN Mobility Test, Part I;
- Must have completed high school with a “C” or better in chemistry, or have a “C” or better in college chemistry.

GENERAL PLAN OF STUDY: AS NURSING PROGRAM

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Categories</th>
<th>Lab.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 213</td>
<td>Human Anatomy &amp; Physiology</td>
<td>4</td>
<td>Cl. 3, Lab. 2</td>
<td></td>
</tr>
<tr>
<td>CHM 119</td>
<td>General Chemistry</td>
<td>3</td>
<td>Cl. 2, Lab. 2</td>
<td></td>
</tr>
<tr>
<td>PCTX 201</td>
<td>Introductory Pharmacology</td>
<td>3</td>
<td>Cl. 3</td>
<td></td>
</tr>
<tr>
<td>NUR 219</td>
<td>Health Assessment</td>
<td>3</td>
<td>Cl. 2, Lab. 3</td>
<td></td>
</tr>
<tr>
<td>NUR 123</td>
<td>Nursing Foundations</td>
<td>5</td>
<td>Cl. 3, Lab. 6</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 18

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Categories</th>
<th>Lab.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 214</td>
<td>Human Anatomy &amp; Physiology</td>
<td>4</td>
<td>Cl. 3, Lab. 2</td>
<td></td>
</tr>
<tr>
<td>BIOL 221</td>
<td>Introduction to Microbiology</td>
<td>4</td>
<td>Cl. 3, Lab. 2</td>
<td></td>
</tr>
<tr>
<td>NUR 218</td>
<td>Human Development &amp; Health Promotion</td>
<td>4</td>
<td>Cl. 3, Cl. 3</td>
<td></td>
</tr>
<tr>
<td>NUR 231</td>
<td>Nursing Care of Developing Families</td>
<td>3</td>
<td>Cl. 2, Lab. 3</td>
<td></td>
</tr>
<tr>
<td>NUR 107</td>
<td>Introduction to Professional Nursing</td>
<td>3</td>
<td>Cl. 3</td>
<td></td>
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</table>

Total Credits: 17

Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Categories</th>
<th>Lab.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 201</td>
<td>Pathophysiology for Nursing Practice</td>
<td>3</td>
<td>Cl. 3</td>
<td></td>
</tr>
<tr>
<td>NUR 232</td>
<td>Nursing Care of Infants, Children, and Adolescents</td>
<td>3</td>
<td>Cl. 2, Lab. 3</td>
<td></td>
</tr>
<tr>
<td>NUR 233</td>
<td>Nursing Care of Adults</td>
<td>4</td>
<td>Cl. 2, Lab. 6</td>
<td></td>
</tr>
<tr>
<td>ENGL 101</td>
<td>English Composition I</td>
<td>3</td>
<td>Cl. 3</td>
<td></td>
</tr>
<tr>
<td>PSY 120</td>
<td>Elementary Psychology</td>
<td>3</td>
<td>Cl. 3</td>
<td></td>
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</tbody>
</table>

Total Credits: 16

Fourth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Categories</th>
<th>Lab.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 234</td>
<td>Psychosocial Nursing Care</td>
<td>3</td>
<td>Cl. 2, Lab. 3</td>
<td></td>
</tr>
<tr>
<td>NUR 237</td>
<td>Nursing Synthesis</td>
<td>6</td>
<td>Cl. 2, Lab. 12</td>
<td></td>
</tr>
<tr>
<td>F&amp;N 303</td>
<td>Essentials of Nutrition</td>
<td>3</td>
<td>Cl. 3</td>
<td></td>
</tr>
<tr>
<td>SOC 100</td>
<td>Introductory Sociology</td>
<td>3</td>
<td>Cl. 3</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 15

Total AS credit hours: 66
ADDITIONAL INFORMATION
All the curricular requirements of the Purdue University North Central Associate Degree nursing program must be completed within six regular consecutive (Fall & Spring) semesters after beginning the nursing (NUR) sequence. Credit for required courses in the nursing program will be considered valid to meet the degree requirements for ten years.

NURSING RESOURCES
The Nursing Resource Center (Nursing lab south–TECH 394 or Nursing lab north–TECH 342), the Nursing Simulation Center (TECH 392), and the Nursing Media Center (TECH 355) contain multiple resources including simulation mannequins, equipment, supplies, computers and computer programs, TV/VCR’s, DVD’s, and reference books for use by nursing students. The Resource Center and Simulation Center are available for independent practice, as a prescriptive referral by Faculty, or for scheduled supervised practice or class sessions and have LCD projection capability. The Media Center contains computers and a printer and is used independently by students.
Certificate in Office Productivity

(This certificate can be completed entirely on-line, if desired.)

Check Purdue North Central’s CIT webpage for possible changes to the curriculum since the printing of this catalog.

This certificate provides students with an opportunity to learn concepts and skills in office productivity. Initially, basic skills are developed in word processing, spreadsheets, databases, and electronic slide presentations. Valuable terminology and concepts dealing with computers and their uses are also introduced. From that base students go on to learn advanced concepts in word processing and spreadsheet applications.

Additionally, to be productive in an office environment it is important to have an understanding of the dynamics that occur within that environment. Students pursuing this certificate will gain an important understanding of individual and group behavior with an emphasis on interpersonal and leadership relationships.

To allow for maximum flexibility in scheduling the entire certificate can be completed online via distance learning. The only time a student may be required to be on campus is to take exams. Distance learning courses are identified in the schedule with a D suffix after the course number, such as C&IT 107D. Only access to a computer, the required software, and the Internet is needed. The software required for the C&IT courses that follow is Microsoft Office Professional and can currently be purchased from the campus bookstore at a greatly reduced price.

Please be aware that courses should only be taken via distance learning by students who are strongly self-motivated and who can set and follow a study schedule.

The total credits required for the certificate is 12. A minimum grade of “C” is required in all four courses. All required courses must be taken at a Purdue University campus.

Required Courses

3 cr. C&IT 107 Computer Literacy
3 C&IT 127 Microcmp. Spreadsheet Applications
3 C&IT 128 Advanced Word Processing
3 OLS 252 Human Behavior in Organizations

1It is assumed that students already have basic high school algebra skills. Those students who don’t will need to take MA 111 - Algebra before taking any of the C&IT courses listed above. If a student is uncertain, it is suggested that they take the Math portion of the SAM placement test before taking any C&IT course.

2A minimum grade of “C” must be earned in C&IT 107 before taking C&IT 127 and C&IT 128.

Possible Plans of Study (A, B, or C):

(based on the student’s available time and understanding of the material)

A. Semester 1 Semester 2 Semester 3 Semester 4
   C&IT 107 C&IT 128 C&IT 127 OLS 252

B. Semester 1 Semester 2 Semester 3
   C&IT 107 C&IT 128 C&IT 127 OLS 252
   C&IT 127 - or -

C. Semester 1 Semester 2
   C&IT 107 C&IT 128
   OLS 252 C&IT 127
Bachelor of Science Degree in Organizational Leadership and Supervision

The baccalaureate program in organizational leadership and supervision was designed with the active assistance of business and industrial leaders. It is offered at the North Central campus and provides a practical, people-oriented approach to the practice of leadership. It was established to meet the educational needs of:

- Individuals currently employed who desire to develop leadership skills.
- Students majoring in fields which have limited job opportunities who desire to increase their employability by developing leadership as well as technical skills.
- Graduates from associate degree programs who desire to continue their studies toward a Bachelor's degree.

The OLS curriculum prepares graduates for successful careers in business, education, retail, service, government, health care and industry/manufacturing. Depending upon how their coursework was structured, graduates may be working in positions such as management, human resources, training, accounting, customer service, field engineering, plant engineering, production or process control, purchasing, quality control, sales or technical writing.

Several degree options designed to meet a variety of interests are described in the section following the general plan of study. Specific plans of study can be obtained from advisors or clerical staff in the College of Business office. In addition, a variety of minors are available to meet specific needs. For further information, contact the academic advisors.

A 2.25 grade point average is required to transfer into this program.

**Required Courses (30 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>OLS 252  Human Relations in Organizations</td>
</tr>
<tr>
<td>3</td>
<td>OLS 274  Applied Leadership</td>
</tr>
<tr>
<td>3</td>
<td>OLS 388  Leadership for Team Development</td>
</tr>
<tr>
<td>3</td>
<td>OLS 386  Change Management</td>
</tr>
<tr>
<td>3</td>
<td>OLS 454  Gender and Diversity in Management</td>
</tr>
<tr>
<td>3</td>
<td>OLS 477  Conflict Management</td>
</tr>
<tr>
<td>3</td>
<td>OLS 487  Leadership Philosophy</td>
</tr>
<tr>
<td>3</td>
<td>OLS 494  Organizational Policy</td>
</tr>
<tr>
<td>3</td>
<td>OLS xxx* Elective</td>
</tr>
<tr>
<td>3</td>
<td>OLS xxx* Elective</td>
</tr>
</tbody>
</table>

**Other Required Courses (57 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>COM 114 Fundamentals of Speech Communication</td>
</tr>
<tr>
<td>3</td>
<td>COM Communications Elective</td>
</tr>
<tr>
<td>6</td>
<td>Foreign Language I &amp; II</td>
</tr>
<tr>
<td>6</td>
<td>C&amp;IT 180 Introduction to Systems Development or</td>
</tr>
<tr>
<td></td>
<td>C&amp;IT 127 Microcomputer Spreadsheet Applications or</td>
</tr>
</tbody>
</table>
C&IT 128  Advanced Word Processing or
C&IT 175  Visual Programming
GBG 354  Management Information Systems
3  ECON 251  Microeconomics or
ECON 252  Macroeconomics
3  ENGL 101  English Composition I
3  ENGL 102  English Composition II
3  ENGL 420  Business Writing
3  IET 104  Industrial Organization or
GBG 127  Introduction to Business
3  GBG 351  Organizational Management or
IGT 352  Operations Management
3  MGMT 200  Introductory Accounting
3  MGMT 323  Introduction to Market Analysis
3  MA 153  Algebra and Trigonometry I
3  STAT 213  Probability and Decision Theory
3  QLS 484  Leadership for Quality or
IET 364
3  Law Elective  OLS 368, GBG 259, GBG 260
3  Ethics Elective  OLS 441, GBG 344, PHIL 111

* Course may have an allowable substitution per each student’s Associate of Science degree. Contact the Business Department for a current plan of study for the degree.

Electives (39 credits)
6-8  Science Selectives+
15  credits towards an area of emphasis or minor
12  credits towards general education
6  Behavioral Science, 3 History/Political Science, 3 Aesthetic Awareness
6  Open Electives

Bachelor of Science Degree in Organizational Leadership and Supervision: Human Resource Management and Development Emphasis
This curriculum was designed with the cooperation and advice of area human resource executives and is continually updated to meet changing needs of today’s workplace. Students choosing this curriculum are preparing for new careers or are developing and updating skills for professional or managerial positions in the fields of personnel, training or organizational development. Graduates will be prepared to:

• Recruit, interview and hire job applicants.
• Administer compensation and benefits programs.
• Train and develop managers and employees.
• Build teams.
• Administer EEOC and Affirmative Action programs.
• Develop and restructure organizations.

The curriculum is designed to give students a deeper understanding of human behavior and performance - a quality vital for effectiveness in today’s human resource field. Following the suggestions of human resource professionals,
courses incorporate current developments in areas such as:
The curriculum is planned to meet the needs of both full- and part-time students, with courses offered in the daytime and evening. It also is flexible enough to allow noncontinuous progress should the student be unable to take classes every semester.
For information on specific course requirements and a plan of study, contact an advisor or clerical staff member in the Purdue North Central College of Business office.

**Associate of Science Degree in Organizational Leadership and Supervision**

This program is designed to meet the needs of individuals who wish to improve their skills as leaders or to expand their general education. Leaders work in a variety of organizations and in many different functional areas. Therefore, the curriculum is designed to allow students to select courses within specified categories, which best prepare them for the functional area and/or organization of their choice. Graduates of the program are eligible to continue toward a Bachelor of Science degree in organizational leadership and supervision.

**Technical Core (18 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 IET 104</td>
<td>Industrial Organization</td>
</tr>
<tr>
<td>3 OLS 252</td>
<td>Human Relations in Organizations</td>
</tr>
<tr>
<td>3 OLS 274</td>
<td>Applied Leadership</td>
</tr>
<tr>
<td>3 OLS 375</td>
<td>Training Methods</td>
</tr>
<tr>
<td>3 OLS 376</td>
<td>Human Resource Issues</td>
</tr>
<tr>
<td>3 MA 153</td>
<td>Algebra and Trigonometry I</td>
</tr>
</tbody>
</table>

**Communications (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 ENGL 101</td>
<td>English Composition I</td>
</tr>
<tr>
<td>3 COM 114</td>
<td>Fundamentals of Speech Communication</td>
</tr>
</tbody>
</table>

**Functional/Technical (18 credits)**

Recognizing that leaders work in various functional areas, each student will be expected to select one or more groups of courses that are designed to increase technical effectiveness on the job. Examples of existing functional areas from which 18 credit hours are to be selected: OLS and IET. Other areas include: ART, BCM, CET, CIMT, CGT, C&IT, CPT, ECET, ENGR, GBA, GBG, GBH, GBM, IET, MA, MET, and STAT.

**Supportive—Technical (21 credits)**

Each student should have a balanced educational experience. Therefore, additional supportive courses are included in the program. With the approval of the academic advisor, the student may select from a wide variety of courses. Some of the more typical courses considered applicable are listed below.

**Supportive—Nontechnical (9 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 SOC 100</td>
<td>Introductory Sociology</td>
</tr>
<tr>
<td>3 PSY 120</td>
<td>Elementary Psychology</td>
</tr>
<tr>
<td>3 ENGL 102</td>
<td>English Composition II or</td>
</tr>
<tr>
<td>ENGL 420</td>
<td>Business Writing</td>
</tr>
<tr>
<td>3 COM</td>
<td>Communications Elective</td>
</tr>
</tbody>
</table>
Supportive—Technical (12 credits)

3  C&IT 107  Computer Literacy
3  MA 154  Algebra and Trigonometry II or
       STAT 213  Probability and Decision Theory
6  Electives

Associate of Science Degree in Organizational Leadership and Supervision: Human Resource Management and Development Emphasis

This associate degree option offers a blend of professional and humanities courses leading to the broad-based education essential for today's human resource professional. The degree requires the equivalent of two semesters of full-time study beyond the certificate program.

The curriculum is designed to give students a deeper understanding of human behavior and performance - a quality vital for effectiveness in today's human resource field. Following the suggestions of human resource professionals, courses incorporate current developments in areas such as:


The curriculum is planned to meet the needs of both full- and part-time students, with courses in the daytime and evening. It also is flexible enough to allow non-continuous progress should the student be unable to take classes every semester.

Core Requirements (18 credits)

3  IET 104  Industrial Organization
3  OLS 252  Human Relations in Organizations
3  OLS 274  Applied Leadership
3  OLS 375  Training Methods
3  OLS 376  Human Resource Issues
3  MA 153  Algebra and Trigonometry I

Communications (9 credits)

3  COM 114  Fundamentals of Speech Communication
3  ENGL 101  English Composition I
3  ENGL 102  English Composition II

Functional/Technical (12 credits)

3  OLS 331  Occupational Safety and Health
3  OLS 372  Staffing and Performance Appraisal
3  OLS 378  Labor/Management Relations
3  OLS 484  Leadership Strategies for Quality and Productivity
-OR-
3  OLS 388  Leadership for Team Development

Supportive—Nontechnical (12 credits)

3  PSY 120  Elementary Psychology
3  SOC 100  Introductory Sociology
3  Elective+++  Elective+++
Supportive—Technical (12 credits)
3 C&IT 107 Computer Literacy
3 C&IT 127 Microcomputer Spreadsheet Applications
3 C&IT 128 Advanced Word Processing
3 MA 154 Algebra and Trigonometry II or
STAT 213 Probability and Decision Theory

Total credits required for associate degree: 63

+++Should contain material of a more advanced nature than that in a required or approved substitute course. Exceptions may be allowed for those who enter the B.S. OLS program with associate degrees from other recognized Purdue programs with consent of the department head.

Organizational Leadership and Supervision Certificate
This practical curriculum is intended to provide first line supervisors with the professional education needed to manage effectively. The program was developed by collaborating with representatives of industry and business. It is designed to meet the needs of the newly appointed manager. Course selection is on the basis of a program worked out with the academic advisor and is carefully tailored to individual needs. Admission to the program is granted to those adults in management positions who meet certain entrance standards and requirements. Specific questions concerning the program should be directed to the chair of the Business department or to any Organizational Leadership and Supervision faculty member on the North Central campus.

Required Courses (12 credits)
3 OLS 252 Human Relations in Organizations
3 OLS 274 Applied Leadership
3 COM 114 Fundamentals of Speech Communication
3 ENGL 101 English Composition I

Core Curriculum (6 credits)
Two of the following three courses are required in the basic core curriculum:
3 OLS 331 Occupational Safety and Health
3 OLS 376 Human Resource Issues
3 OLS 378 Labor/Management Relations

Electives (9 credits)
Additional courses to make a total of 27 credit hours may be chosen in any approved combination.

Total credits required for certificate: 27

A minimum of 15 credits must be taken at Purdue University North Central. All certificate track students must meet the admission requirements of the College of Business and be admitted to the organizational leadership and supervision program. This certificate plan of study is an entry-level, pre-associate degree program.

A 2.0 GPA is required to pursue an Associate of Science Degree in OLS.
Process Improvement Certificate

21 Total Credit Hours Required

This certificate program is designed to give a solid foundation in the techniques and methodologies used to perform fundamental process analysis and improvement activities. The basis for this certificate program is Six Sigma and Toyota Production System-based methodologies that are prevalent in manufacturing and service industries worldwide. Students who complete this certificate program will be fully prepared to assume roles as process improvement professionals in a wide variety of manufacturing, service, government, or not-for-profit organizations.

Candidates for this certificate are required to be formally admitted to Purdue University North Central. Students may apply credit earned in this certificate program towards an associate or bachelor’s degree in industrial engineering technology or engineering technology as appropriate.

A certificate will be awarded to those who successfully complete the required coursework.

Required Courses (21 credits)

3 IET 104 Industrial Organization
3 IET 364 Total Quality Management
3 IET 344 Introduction to Simulation
3 IET 411 Principles of Lean Thinking
3 OLS 274 Applied Leadership
3 MA 153 Algebra and Trigonometry I
3 IET 250 Fundamentals of Production Cost Analysis
Quality Control Certificate

This certificate program provides training and instruction in the proper use of data analysis and techniques of statistical quality control, including frequency distributions, process control charts, six sigma concepts and sampling plans. In addition, the course work provides a basis for practical implementation of these techniques in the quality control system of an industrial or service organization. An in-depth investigation of the techniques and tools of quality control, the role of quality costs, the determination of customer needs, total quality management, and feedback to further improve the quality system are integral components of this program.

Candidates for this program are required to be formally admitted to Purdue University North Central. Mathematics placement tests are required prior to taking any mathematics course. Students may apply these courses toward an associate degree in industrial engineering technology or mechanical engineering technology as appropriate. A certificate will be presented to those who successfully complete all course work.

Required Courses (21 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 MA 153</td>
<td>Algebra and Trigonometry I</td>
</tr>
<tr>
<td>3 MA 154</td>
<td>Algebra and Trigonometry II</td>
</tr>
<tr>
<td>3 STAT 301</td>
<td>Elementary Statistical Methods</td>
</tr>
<tr>
<td>3 MET 141</td>
<td>Materials I</td>
</tr>
<tr>
<td>3 IET 204</td>
<td>Techniques of Maintaining Quality</td>
</tr>
<tr>
<td>3 IET 364</td>
<td>Total Quality Management</td>
</tr>
</tbody>
</table>

3 Technical Elective+

Total credits required for certificate: 21

+ Business or Technical elective to suit the individual. Actual course selection, subject to advisor approval, may be from the following: C&IT, CPT, ECET, GBA, GBG, IET, MET, MFET, or MGMT.
Statistics Certificate

The statistics certificate prepares students for careers in applied statistics, in areas that require broad knowledge of statistical ideas and techniques. Such breadth is valued by employers in business, industry, and government. The statistics certificate is open to all students but is specifically designed for those students who previously earned an associate or bachelors degree but who did not complete all courses in the statistics minor or equivalent. Students who previously successfully completed courses in the statistics minor during their degree program may apply these courses for credit towards the statistics certificate.

The courses taught in the statistics certificate are identical to the courses taught in the statistics minor. Five courses are required to complete a statistics certificate as indicated below. At least three of these courses must be listed in the Mathematics, Statistics and Physics department.

- An introductory probability course: STAT 225 or 311
- An introductory statistics course: STAT 301, 350, 503, PSY 201 or 203
- Two core courses: STAT 361 and STAT 362
- One of the following courses: STAT 363, STAT 465, or MET 451

Students must complete a minimum of 15 credit hours for the statistics certificate. All courses must be taken for a grade: there is no Pass/No Pass option. Students are expected to earn a minimum GPA of 2.5 or equivalent to enter in coursework leading up to the certificate. Students are expected to take courses in sequence, based on prerequisites.
Supervision Certificate - Online
The certificate in Supervision provides an opportunity for working professionals to upgrade their supervisory skills while maintaining active employment. Courses are offered entirely online to accommodate busy lifestyles. Courses taken as part of this certificate can also help increase the personal effectiveness of those students entering the workforce regardless of their chosen profession.

Required Courses (27 credits)
Listed in the order in which they should be taken.

3 OLS 252 Human Relations in Organizations
3 CPT 107 Computer Literacy
3 OLS 274 Applied Leadership
3 ENGL 101 English Composition I
3 OLS 331 Occupational Safety and Health
3 OLS 378 Labor Relations
3 OLS 376 Human Resource Issues
3 OLS 368 Personnel Law
3 OLS 590 Supervised Practicum

Students are expected to earn a minimum GPA of 2.0 in coursework leading up to the certificate.
Students are expected to take courses in sequence, based on prerequisites outlined in the PNC catalog.
Minors in Business

For those students pursuing degrees outside of the Business curriculum, several minors are available. These may serve to add another facet to their education or gain competency in an area that can enhance their career options.

General Business Minor

- GBG 127 Introduction to Business
- ECON 251 Microeconomics
- ECON 252 Macroeconomics
- MGMT 200 Financial Accounting
- MGMT 201 Managerial Accounting
- GBG 260 Business Law
- GBM 329 Principles of Marketing
- GBG 333 Principles of Finance

Accounting Minor

- MGMT 200 Financial Accounting
- MGMT 201 Managerial Accounting
- GBA 228 Financial Accounting II
- GBA 340 Intermediate Accounting I
- GBA 341 Intermediate Accounting II

Economics Minor

- ECON 251 Microeconomics
- ECON 252 Macroeconomics
- ECON 301 Managerial Economics
- ECON 302 Business Conditions Analysis
- Any 2 upper level (300-400) Economics courses

Chemistry Minor for Biology Majors

Prerequisites

- 4 CHM 115 General Chemistry
- 4 CHM 116 General Chemistry
- 10 MA 167/169 Plane Analytic Geometry and Calculus I, II or
- 6 MA 223/224 Introductory Analysis I, II

Courses for Minor (at least 16 credits beyond General Chemistry, CHM 115/116)

Group A: Organic Chemistry (8 credits)

- 4 CHM 255/255L Organic Chemistry/ Laboratory or
CHM 261/263 Organic Chemistry/ Laboratory
4 CHM 256/256L Organic Chemistry/ Laboratory or
CHM 262/264 Organic Chemistry/ Laboratory

Group B: Analytical Chemistry (4 credits)
4 CHM 321 Analytical Chemistry I

Group C: Physical Chemistry (4 credits)
4 CHM 372 Physical Chemistry

Additional Option (3 credits)
3 CHM 533 Introductory Biochemistry (does not replace Group A-C requirement)

Minor in Communication
(For students earning degrees outside of Communication only)

Minimum Credit Hours Required – 15 (with COM 114)

Core Communication Courses
(Select four courses beyond COM 114)
3 COM 114 Fundamentals of Speech Communication (Required)
3 COM 204 Critical Perspectives on Communication
3 COM 212 Approaches to the Study of Interpersonal Communication
3 COM 250 Mass Communication and Society
3 COM 300 Introduction to Communication Research Methods
3 COM 314 Advanced Presentational Speaking
3 COM 318 Principles of Persuasion
3 COM 324 Introduction to Organizational Communication
3 COM 435 Communication and Emerging Technologies

Minor in Composition (English) Studies 15 credit hours
The following requirements must be met for this minor: 2.5 GPA; prerequisites of ENGL 101 & ENGL 102; all appropriate prerequisites must be fulfilled before enrolling in minor courses; Minor must be attached to a Major in any discipline and all Major requirements must be met as well; to earn both the Minor in Composition Studies and the Minor in Professional Writing, the students must take different elective courses for each minor.

Required Courses:
3 ENGL 243
3 ENGL 304

Electives: Take at least three of the courses listed below.
3 ENGL 204
2 ENGL 390
3 ENGL 391
3 ENGL 405
3 ENGL 470
3 ENGL 589
Minor in Computer & Information Technology

(For students earning degrees outside of Computer & Information Technology only)

Check Purdue North Central’s CIT webpage for possible changes to the curriculum since the printing of this catalog.

This minor has, as its base, core computer and information technology concepts that all students pursuing the minor are required to take. Then, depending upon their area of interest, students select one of the two Focus Areas to complete the minor. If their interests are with Internet and database concepts, they would choose the Internet and Database Applications area. If they would like to explore concepts in data communications, they would select the Applications in Networking area.

Minimum credits required for the Minor in Computer & Information Technology is 15.

This minor can be attached to any major at Purdue North Central whose department will allow it.

All preparatory needs related to PC and Windows literacy, and MAA0153 must be completed before starting any C&IT courses.

Core Courses (required)²

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>3 cr.</td>
<td>C&amp;IT 141  Internet Found., Tech., and Develop.</td>
</tr>
<tr>
<td>3</td>
<td>C&amp;IT 155  Intro. to Obj-Oriented Programming</td>
</tr>
<tr>
<td>3</td>
<td>C&amp;IT 180  Intro. to Systems Development</td>
</tr>
</tbody>
</table>

Focus Areas (choose one area)²

Internet and Database Applications focus area:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>3 cr.</td>
<td>C&amp;IT 255  Programming for the Internet</td>
</tr>
<tr>
<td>3</td>
<td>C&amp;IT 272  Database Fundamentals</td>
</tr>
</tbody>
</table>

Applications in Networking focus area:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>3 cr.</td>
<td>C&amp;IT 176  Information Tech. Architectures</td>
</tr>
<tr>
<td>3</td>
<td>C&amp;IT 276  Systems Software and Networking</td>
</tr>
</tbody>
</table>

¹This statement means that the following two conditions must have previously been fulfilled: (1) students must have hands-on experience using basic word processing, spreadsheet, and file management techniques. Students that don’t will be required to pass C&IT 107 with a grade of “C” or better before taking any of these courses, and (2) students must also have passed MA 153 or its equivalent prior to taking any of these courses.

²For all courses in the CIT minor: (1) a minimum grade of “C” is required in a prerequisite C&IT course before moving on to its post-requisite course(s), (2) a student may only repeat a C&IT course a maximum of two times including all withdrawals, and (3) no C&IT course may be taken as Pass/No Pass.

Minor in Electrical and Computer Engineering Technology

The ECET Minor allows students from disciplines other than EET or ECET the opportunity to acquire fundamental electrical, electronics and computer electronics skills. The minor gives these students a path to explore their interest in electronics, without having to complete an Associate's or Bachelor's degree in EET or ECET. This minor will benefit students who need some hands-on electronics experience for their job. The ECET minor is perhaps most useful for Computer & Information Technology (CIT) and Mechanical Engineering Technology (MET) students, although it is open to students in any baccalaureate-degree major.

GENERAL PLAN OF STUDY: ECET MINOR

Basic Electronics Option

(Prerequisite: MA 153 or equivalent)

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>4</td>
<td>ECET 107   Introduction to Circuit Analysis</td>
</tr>
<tr>
<td>3</td>
<td>ECET 109   Digital Fundamentals</td>
</tr>
<tr>
<td>4</td>
<td>ECET 157   Electronics Circuit Analysis</td>
</tr>
<tr>
<td>4</td>
<td>ECET 159   Digital Applications</td>
</tr>
<tr>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>
Computer Electronics Option
(Prerequisites: Programming class and MA 153 or equivalent)
3  ECET 109   Digital Fundamentals
4  ECET 159   Digital Applications
4  ECET 209   Introduction of Microcontrollers
4  ECET 359   PC Interfacing & Applications

Industrial Electronics Option
(Prerequisite: MA 153 or equivalent)
4  ECET 107   Introduction to Circuit Analysis
or
4  ECET 213   Survey of Electricity & Electronics
3  ECET 109   Digital Fundamentals
4  ECET 159   Digital Applications
4  ECET 302   Introduction to Control Systems (PLCs)

Notes concerning the ECET Minor:
1. This minor may be attached to any Purdue baccalaureate degree that permits minors.
2. There are three options within the minor: Basic Electronics, Computer Electronics and Industrial Electronics.
   Students may choose the specific option that interests them.
3. Courses may not be mixed between the various options.
4. A minimum of 15 credit hours is required for the ECET Minor.
5. MA 153 or equivalent is a prerequisite for entry into this minor.
6. Any computer programming class of three or more credits is a prerequisite for the Computer Electronics Option.
7. None of the courses for the ECET Minor may be taken Pass/No Pass.
8. A grade of “C” or better must be maintained in all courses toward the minor.
9. An ECET Minor is not available for students enrolled in or possessing a degree in EET or ECET.

Total credits required for ECET Minor: 15

Minor in English Literature 15 Credit Hours
The following requirements must be met for this minor: 2.5 GPA in the Minor; prerequisites of ENGL 101 & ENGL 102; all appropriate prerequisites must be fulfilled before enrolling in Minor courses; Minor must be attached to a Major in any discipline other than English and all Major requirements must be met as well.

No Course may be used to fulfill more than one category.

Required course
3  ENGL 201

British Literature (Choose One)
3  ENGL 240
3  ENGL 241
3  ENGL 331
3  ENGL 333
3  ENGL 335
3  ENGL 337
<table>
<thead>
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<th>Course</th>
<th>Credits</th>
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<td>American Literature</td>
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<td>ENGL 250</td>
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<td>ENGL 257</td>
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<tr>
<td>ENGL 356</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 372</td>
<td>3</td>
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<tr>
<td>Genre or Author Course</td>
<td></td>
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<tr>
<td>ENGL 373</td>
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<tr>
<td>ENGL 375</td>
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<td>ENGL 377</td>
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<td>ENGL 441</td>
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<tr>
<td>ENGL 442</td>
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<tr>
<td>Elective at the 300-level or above</td>
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<tr>
<td>ENGL 327</td>
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<tr>
<td>ENGL 331</td>
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<td>ENGL 596</td>
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</tbody>
</table>
Minor in Human Resource Management

OVERVIEW OF THE MINOR

The minor in Human Resource Management gives students earning degrees outside of the Organizational Leadership and Supervision program the opportunity to become familiar with the career of Human Resources. Courses taken as part of this minor can also help increase the personal and managerial effectiveness of those students entering the workforce regardless of their chosen profession. Upon completion of the coursework leading up to the minor in human resource management, students should be able to:

• understand differences in individual and group behavior in the workplace
• resolve issues related to employee relations in the workplace
• utilize the principles of adult learning to design, develop, deliver and evaluate a training program
• evaluate the organizational needs for staffing and effective performance management
• demonstrate an understanding of the relationship between labor and management
• demonstrate an understanding of the requirements of ensuring a healthy and safe workplace

COURSE REQUIREMENTS FOR A MINOR IN HUMAN RESOURCE MANAGEMENT

To help students meet the learning objectives, the minor requires students to complete the courses in the matrix below. The minimum number of credit hours required for the minor is 15. All courses must be taken for a grade — there is no Pass/No Pass option. Students are expected to earn a minimum GPA of 2.5 in coursework leading up to the minor. Students are expected to take courses in sequence, based on prerequisites outlined in the PNC catalog.

Required Courses (6 credits)

3 OLS 252 Human Relations in Organizations
3 OLS 376 Human Resource Issues

Elective Courses (9 credits) – choose any three

3 OLS 331 Occupational Health and Safety
3 OLS 372 Staffing and Performance Appraisal
3 OLS 375 Training Methods
3 OLS 378 Labor Relations

Minor in Management Information Systems

Students who choose to have a Minor in MIS are those who wish to have more information about the area of Management Information Systems, but do not want to be technical experts in the area. The courses are designed to give students an overview of how these topics fit into the overall organization.

The prerequisites for MIS 301 are GBG 127 and C&IT 107. Therefore the total credits for this minor is 21.

Required Courses

3 MIS 301 Database Analysis and Design
3 MIS 305 Systems Analysis and Design
3 MIS 310 Project Management
3 MIS 315 Network and Telecommunications Management
3 MIS 320 Managing Electronic Commerce

For all courses in the MIS Minor: (1) a minimum grade of C is required in a prerequisite course before moving on to the postrequisite course(s), (2) a student may only repeat an MIS course a maximum of two times including all withdrawals, and (3) no MIS course may be taken as Pass/No Pass.
Minor in Organizational Leadership

The minor in Organizational Leadership gives students the opportunity to become familiar with concepts related to leadership and management. Courses taken as part of this minor can also help increase the personal effectiveness of those students entering the workforce regardless of their chosen profession. Upon completion of the coursework leading up to the minor in organizational leadership, students should be able to:

- understand differences in individual and group behavior in the workplace
- develop personal strategies for becoming an effective manager
- function as a productive and effective member of a work group
- understand the fundamental process of change management
- understand, respect, appreciate and work effectively with a diversity of group members
- develop a strategy for moral and ethical decision making, personally as well as professionally

COURSE REQUIREMENTS FOR A MINOR IN ORGANIZATIONAL LEADERSHIP

To help students meet the learning objectives, the minor requires students to complete the courses in the matrix below. The minimum number of credit hours required for the minor is 15. All courses must be taken for a grade - there is no Pass/No Pass option. Students are expected to earn a minimum GPA of 2.5 in coursework leading up to the minor. Students are expected to take courses in sequence, based on prerequisites outlined in the PNC catalog.

Core Courses

3 OLS 252 Human Relations in Organizations
3 OLS 274 Applied Leadership
3 OLS 386 Leadership: Management of Change
3 OLS 388 Leadership for Team Development

Electives - choose one

3 OLS 441 Leading Ethically
3 OLS 454 Gender and Diversity in Management

Minor in Professional Writing (English) 15 credit hours

The following requirements must be met for this minor: 2.5 GPA in the Minor; prerequisites of ENGL 101 & ENGL 102; all appropriate prerequisites must be fulfilled before enrolling Minor courses; Minor must be attached to a Major in any discipline and all Major requirements must be met as well; to earn both the Minor in Professional Writing and the Minor in Composition Studies, the students must take different elective courses for each Minor.

Required Courses:

3 C&IT 126
3 ENGL 304

Electives: Take at least three of the courses listed below.

3 ENGL 309
3 ENGL 419 OR
3 ENGL 420 OR
3 ENGL 421
3 ENGL 430
3 ENGL 488
3 ENGL 589
Spanish Minor I (Non-Proficient) 15 credit hours
Before undertaking this Minor, the student must establish proficiency equivalent to Spanish Level IV. Proficiency may be established by taking and passing Spanish 202, by examination, or by other evidence acceptable to the Department of Modern Languages. New Spanish Minors must earn an overall GPA of 2.67 or better in courses in the Minor. The Spanish Minor must be attached to a Major in other disciplines. Only 3 hours may be transferred into the Spanish Minor from another institution and those 3 hours may be only in SPAN 301 or 302.

Required 3 Courses:
3 SPAN 301
3 SPAN 302
3 SPAN 241

Electives (6 hours from the following courses)
3 SPAN 341
3 SPAN 342
3 SPAN 424
3 SPAN 480
3 SPAN 481
3 SPAN 482
3 SPAN 557

Spanish Minor II (For the Already Proficient) 12 credit hours
Already Proficient Spanish Minors must earn an overall GPA of 2.67 or better in courses in the minor. The Spanish Minor must be attached to a major in other disciplines. This Minor is for students who enter Purdue as already fluent speakers, readers, and writers of Spanish, as is the case, for example, with native speakers or those who have lived and studied in Spanish-speaking countries. Before undertaking this Minor, the student must establish this proficiency by an interview with the Chair of the Department of Modern Languages and by showing appropriate school records and proficiency. Appropriate oral and written exams may be administered. No credit toward the Minor will be given for SPAN 301, 401, 402, or any other basic skills course.

3 SPAN 480
3 SPAN 481
3 SPAN 482
3 SPAN 557

Statistics Minor
The statistics minor is intended to give students majoring in other disciplines an introduction to applied statistical methods. The program is structured to accommodate students from a variety of traditional academic disciplines, including, but not restricted to: biology, behavioral & social sciences, business, secondary education, engineering, and technology. Five statistics courses are required to complete a statistics minor as indicated below. At least three of these courses must be listed in the Mathematics, Statistics and Physics department.

- An introductory probability course: STAT 225 or 311
- An introductory statistics course: STAT 301, 350, 503, PSY 201 or 203
- Two core courses: STAT 361 and STAT 362
- One of the following courses: STAT 363, STAT 465, or MET 451
Although there are several paths to the statistics minor, below are some sample plans of study which specific majors might find useful:

- **Biology**: STAT 225, STAT 503, STAT 361, STAT 362, STAT 363
- **Behavioral & Social Sciences**: STAT 225, PSY 201, STAT 361, STAT 362, STAT 363
- **Business**: STAT 225, STAT 301, STAT 361, STAT 362, STAT 363
- **Secondary Education**: STAT 311, STAT 350, STAT 361, STAT 362, STAT 465
- **Engineering**: STAT 311, STAT 350, STAT 361, STAT 362, MET 451
- **Technology**: STAT 225, STAT 301, STAT 361, STAT 362, MET 451

Students must complete a minimum of 15 credit hours for the statistics minor. All courses must be taken for a grade: there is no Pass/No Pass option. Students are expected to earn a minimum GPA of 2.5 in coursework leading up to the minor. Students are expected to take courses in sequence, based on prerequisites.
If you are planning on transferring to another Purdue University campus, or are interested in a degree program offered at another University, it is your responsibility to contact that University to find out about admission requirements, transferability of courses taken at PNC, degree requirements, etc. A grade of “C” or higher is the general rule for a course to transfer to another campus or University, assuming the course is acceptable for the degree program of interest.

Many degree programs at the West Lafayette campus of Purdue University are capped or have additional admissions requirements. Therefore, it may not be possible to complete the transfer process to the West Lafayette campus because programs are full. Information on program requirements for the West Lafayette campus may be obtained through your academic advisor or Office of Enrollment Services. Catalogs for the Schools of Purdue University on the West Lafayette campus are available in the Office of Enrollment Services. Please be aware that students at Purdue North Central are “regional campus transfer” students to the West Lafayette campus and are not “new” students. The documentation is different and should not be confused.

Also be aware, that although most or all of the credit obtained at PNC may transfer to another campus or University, many degree programs require sequential courses not offered at PNC, which can lengthen the time required to get the degree at another campus or University.

It is imperative that students interested in transferring to another campus or University see their PNC advisor immediately to obtain further information and suggestions about contacting an appropriate advisor at the campus or University of interest.
MITCHELL S. ALIX (2007)
Assistant Professor of Biology
B.S., Purdue University-North Central, 1997; Ph.D., Purdue University-West Lafayette, 2006.

JOSEPH E. ANDERSON (1968-74; 1984-97)
Professor Emeritus of Mechanical Engineering
Technology
A.A., Chicago City College, 1957; B.S.M.E., Valparaiso, 1959; M.S., DePaul, 1964; Registered Professional Engineer, Illinois Indiana California.

GEORGE T. ASTERIADIS, Jr. (1971)
Associate Vice Chancellor for Academic Affairs; Professor of Biology
B.S., State University of New York (Oswego), 1966; Ph.D., Purdue, 1971.

MARILYN J. ASTERIADIS (1972-2004)
Professor Emerita of Nursing
B.S.N., Dayton, 1962; M.S.Ed., Indiana, 1972; M.S.N., Indiana, 1983; R.N.

PATRICIA A. BABCOCK (1976-2001)
Professor Emerita of Nursing
B.S.N., Ball State, 1957; M.A., 1975; Ed.D., 1980; M.A., 1986; R.N.

REYNALDO D. BARRETO (1992)
Associate Professor of Chemistry

L. EDWARD BEDNAR (1965-2004)
Vice Chancellor Emeritus for Academic Affairs; Professor Emeritus of General Studies

R. DEREK BJONBACK (2002)
Associate Professor of Business

JAMES R. BLACKWELL (1965-89)
Professor Emeritus of Supervision
B.S. Purdue, 1941; M.A. Louisville, 1953; M.B.A. George Washington, 1964.

L. ROSS BLYTHE (1968-96)
Professor Emeritus of Education

THOMAS F. BRADY III (1998)
Associate Professor of Industrial Engineering Technology; Chair, Engineering Technology Department

TANTATAPE BRAHMASRENE (1988)
Professor of Business

WILFRED G. BRILL (1964-1998)
Professor Emeritus of Physics
B.A., Manchester, 1952; M.S. Purdue, 1955; Ph.D., 1964.

Professor Emeritus of Organizational Leadership and Supervision

RONALD E. BROWNIE (2006)
Assistant Professor of Organizational Leadership & Supervision
A.S., Quincy, 1990; B.S., Embry Riddle Aeronautical, 1994; M.S., Chapman, 1997.

EDWIN F. BUCK JR. (1966-90)
Professor Emeritus of Communication

PATRICIA P. BUCKLER (1986-2006)
Professor Emerita of English

DAVID L. BURRUS (1997)
Continuing Lecturer of Building Construction Management Technology
MURULEE BYAPPANAHALLI (2008)
Adjunct Assistant Professor of Biology
B.S., University of Agricultural Studies (India), 1979; M.S., 1982; M.S., University of Hawaii, 1996; Ph.D., 2000.

JOAN M. CHESTERTON (1988-98)
Professor Emerita of Organizational Leadership and Supervision

KAM CHI CHAN (2002)
Associate Professor of Education
B.A., Chinese University of Hong Kong, 1982; M.A., Ohio State, 1994; Ph.D., Ohio State, 2002.

YEOU-LAN CHEN (2005)
Professor of Nursing; and Duneland Health Council Faculty Scholar
B.S., National Defense Medical College (Taiwan), 1969; M.P.H., National Defense Medical College (Taiwan), 1972; Ph.D., University of Utah, 1991.

SANTARAM CHILUKURI (1987)
Professor of Physics
B.S., Andhra (India), 1958; M.S., 1959; Ph.D., 1962.

CARIN CHUANG (2005)
Assistant Professor of Computer & Information Technology
B.S., Soochow University, Taipei, Taiwan, 1987; M.S., Michigan State, 1995.

ANNETTE M. COATES (2004)
Clinical Assistant Professor of Nursing

JESSE S. COHN (2000)
Associate Professor of English

MICHAEL J. CONNOLLY (2004)
Assistant Professor of History

JASON A. CURTIS (2000)
Associate Professor of Biology

SILVIA GABRIELA DAPIA (1991)
Professor of Foreign Languages and Literatures
M.A. National University of LaPlata (Argentina), 1983; Ph.D., Cologne (Germany), 1991.

PURNA CHANDRA DAS (1991)
Professor of Physics; Chair, Mathematics/Statistics/Physics Department
B.S., Utkal University (India), 1974; M.S., 1976; Ph.D., City University of New York, 1983.

DEBORAH J. DEFOOR (2003)
Continuing Lecturer of Education
B.S., Indiana, 1993; M.S., Purdue, 1999.

CHERYL W. DELEON (2005)
Assistant Professor of Psychology

THOMAS J. DOBROWSKI (2005)
Assistant Professor of Building Construction Management Technology

GAYLA S. DOMKE (2005)
Assistant Professor of Mathematics

KAREN D. DONAH (2006)
Continuing Lecturer of Modern Languages

Continuing Lecturer of Mathematics

Professor Emeritus of Architectural Technology
B.S., Cincinnati, 1957; Registered Architect, Indiana Michigan Ohio.

LINDA M. DUTTLINGER (1985)
Associate Professor of Developmental Studies; Director, Accreditation and Assessment

JANUSZ DUZINKIEWICZ (1997)
Associate Professor of History

JAMES B. DWORIN (1976)
Chancellor; Professor of Organizational Behavior and Human Resource Management

MARY JANE EISENHAUER (2008)
Assistant Professor of Education

WALTER H. EVANS (1968-93)
Professor Emeritus of Computer Technology
B.S., Purdue, 1954; M.S., Michigan, 1959.
DAVID J. FEIKES (1993)
Associate Professor of Mathematics
B.S., Ball State, 1977; M.S., Purdue, 1984; Ph.D., 1992.

HARSHINI P. FERNANDO (2006)
Assistant Professor of Mathematics
B.S., Colombo (Sri Lanka), 1997; M.S., South Florida, 2001; Ph.D., Texas Tech, 2006.

CYNTHIA J. PULVER FONTAINE (1983)
Associate Professor of Education; Chair, Education Department
B.S., Ball State, 1971; M.S., Purdue, 1976; Ph.D., 1983.

ROY R. FOWLES (2007)
Associate Professor of Social Work
B.S., University of Oregon, 1968; M.S.W., University of Denver, 1970; Ph.D., University of Denver, 1978.

TOM N. GALOUZIS (2008)
Adjunct Professor of Biology
B.S., The Ohio State University, 1982; D.O., Chicago College of Osteopathic Medicine, 1988; M.D., The University of Chicago Pritzker School of Medicine, 1990.

MARSHA C. GARCIA-SAENZ (1999)
Associate Professor of Building Construction Management Technology; BCMT Program Coordinator
B.S.C.E., LaGran Colombia, 1974; M.S.C.E., Purdue, 1999.

RALPH GRUNDEL (2008)
Adjunct Assistant Professor of Biology
B.A., Wesleyan University, 1976; Ph.D., University of Texas, 1984.

EDWARD F. HACKETT (1987-1999)
Professor Emeritus of Education

DAVID R. HAMMONTREE (2007)
Assistant Professor of English

E. JEAN HAYES (1974)
Associate Professor of Nursing, Interim Chair, Nursing Department
B.S., Indiana State, 1972; M.S., St. Xavier, 1979; R.N.

PAUL J. HECHT (2006)
Assistant Professor of English

RICHARD A. HENGST (1981)
Professor of Biology; Director of Graduate Studies

BOBBI HERRON (2008)
Assistant Professor of Nursing
A.D., Purdue North Central, 1987; B.S., Purdue Calumet, 2000; M.S., 2003.

Continuing Lecturer of Communication

THOMAS A. HOLTS (2000)
Continuing Lecturer of Accounting
B.S., Minnesota, 1961; M.M.Ed., Vandercook College of Music; 1968; M.S.A., Roosevelt 1978; C.P.A.

KENNETH C. HOLFORD (2000)
Associate Professor of Biology; Chair, Biology/Chemistry Department

CARL C. HOMMER JR. (1981-1999)
Professor Emeritus of Computer Technology
B.S., Central Michigan, 1959; M.S., Andrews, 1986; C.P.I.M.

HOWARD JABLOK (1966)
Professor of History

PATRICIA G. JACOBY (1987)
Associate Professor of Business

SHARRON K. JENKINS (2005)
Assistant Professor of Chemistry

Assistant Professor of Library Science and Library Director

MARNE J. JUESTEL (2006)
Assistant Professor of Nursing

H. SUSITHA KARUNARATNE (2007)
Continuing Lecturer of Mathematics and Statistics

SHIRLEY A. KEETON (2006)
Assistant Professor of Sociology

GLENN L. KELDSEN (1988-2005)
Professor Emeritus of Chemistry
B.S., Antioch, 1958; M.S., Massachusetts, 1968; Ph.D., 1977.
KENNETH R. KINCAID (2007)
Assistant Professor of History
B.A., Kansas State University, 1990; M.A., University of Kansas, 1995; Ph.D., University of Kansas, 2006.

KAREN J. KLOSINSKI-SCHOOLEY (2008)
Assistant Professor of Nursing
B.S.N., Valparaiso, 1994; MSN/Ed, 2006, Phoenix; R.N.

ALAN G. KRABBENHOFT (2007)
Professor of Business; Dean, College of Business

JONATHAN R. D. KUHN (1997)
Associate Professor of Statistics

KENT J. LANGE (2003)
Continuing Lecturer of Biology
B.S., Butler, 1969; M.S., St. Mary’s, 1975.

MICHAEL J. LANTIS (1989)
Associate Professor of Computer & Information Technology

AMANDA LAUDIG (2007)
Visiting Assistant Professor of English
B.S., Ball State University, 1991; M.A., Ball State University, 1992; Ph.D., Illinois State University, 2000.

DENNIS E. LAUER (1968)
Professor Emeritus of Mathematics
B.S., Kansas, 1960; M.S., 1964; M.S., Purdue, 1966.

CHRISTINE HEINECKE LEHMANN (1980)
Associate Professor of Mathematics

Professor Emeritus of Education and General Business

BARBARA J. LOOTENS (1965-2000)
Professor Emerita of English

SILVIA G. LORENTE-MURPHY (1985)
Professor of Spanish

LAWRENCE A. MACHTINGER (1972-2006)
Professor Emeritus of Mathematics

WILLIAM J. MACK (1985)
Associate Professor of Business
B.S.B.A., Tri State, 1964; M.B.A., Indiana, 1980; C.P.A.; C.M.A.

DEEPA MAJUMDAR (2001)
Associate Professor of Philosophy

Diane S. Maletta (2000)
Associate Professor of Education
B.S., Valparaiso, 1982; M.S., Butler, 1986; Ph.D., Indiana, 1996.

R. John Manning (2006)
Professor of English; Chair, English & Modern Languages Department

Joy E. Marburger (2008)
Adjunct Assistant Professor of Biology
B.S., Allegheny College, 1968; M.S., Bowling Green State University, 1974; Ph.D., University of Maryland, 1986.

Nancy B. Martahakis (2005)
Assistant Professor of Biology

Robert A. Martin (1969-87)
Professor Emeritus of Management

Daniel H. Mason (2008)
Adjunct Assistant Professor of Biology
B.S., University of Maryland, 1977; M.S., 1983; Ph.D., Iowa State University, 1996.

Joyce E. Masoodi (1981)
Associate Professor of Nursing
B.S.N., Purdue, 1974; M.S.N., Northern Illinois, 1975; Certificate Specialist in Nursing Admin. Degree, Wayne State, 1985; Nurse Practitioner Certification Degree, Valparaiso, 2002; R.N.

Larry K. Matthews (2006)
Professor of Mechanical Engineering; Dean, College of Engineering and Technology
B.S., New Mexico State, 1974; M.S., 1975; Ph.D., Purdue, 1982.

Robert B. Mellin (2000)
Continuing Lecturer of English
HALINA C. MIZINIAK (1987)
Associate Professor of Nursing
B.S.N., Illinois, 1969; M.S.N., Purdue, 1986; R.N.

CYNTHIA D. MONTGOMERY (2008)
Assistant Professor of Nursing

ANN L. MOODIE (1977, 2008)
Professor Emerita of Nursing
B.S.N., Northern Illinois, 1967; M.S., St. Xavier, 1981; F.N.P., Valparaiso, 1997; R.N.

S. REX MORROW (2007)
Professor of Education; Dean, College of Liberal Arts
B.A., Marian College of Indianapolis, 1975; M.A., Indiana State University, 1977; M.A.Ed., Ball State University, 1982; Ed.D., Ball State University, 1983.

JERRY M. MOSTEK (2007)
Continuing Lecturer of Earth & Atmospheric Sciences

MARIO R. ORTIZ (2005)
Assistant Professor of Nursing
M.S., Valparaiso University, 1997; Ph.D., Loyola, 2001.

PAUL J. OSISEK (1989)
Associate Professor of Developmental Studies

DANIEL L. PADBERG (1993)
Associate Professor of Communication

RICHARD N. PANTON (2007)
Continuing Lecturer of Business

RAJAPPA PAPANNAREDDY (1988)
Professor of Electrical and Computer Engineering Technology
B.S., Bangalore University (India), 1975; M.S., Maryland, 1983; Ph.D., Southern Methodist, 1987.

NIPUL H. PATEL (2007)
Assistant Professor of Computer & Information Technology
B.S., Purdue, 1993; M.B.A., Purdue, 2002.

FREDERICK C. PATTEN (1983-2007)
Professor Emeritus of Sociology

NOEL B. PAVLOVIC (2008)
Adjunct Assistant Professor of Biology

SUZANNE C. PELLAR (2007)
Assistant Professor of Nursing
B.S.N., Purdue University Calumet, 1987; M.S., Purdue University Calumet, 1995; Adult Clinical Nurse Specialist Board Certified, 2007.

PHILLIP PERKINS (1970-87)
Professor Emeritus of Mechanical Engineering Technology
B.S.M.E., Purdue, 1943; M.S., Indiana State, 1981.

HAROLD W. PHILLIPS (1968-2002)
Professor Emeritus of English

DAVID M. PRATT (2002)
Associate Professor of Education

JAMES S. PULA (2004)
Professor of History

VANESSA S. QUINN (2007)
Assistant Professor of Biology
B.S., University of Wisconsin, 1993; M.S., Northern Michigan University, 1997; Ph.D., Indiana State University, 2001.

VERNER J. RAELSON (1966-84)
Professor Emeritus of Physics
B.A., Valparaiso, 1940; LL.B., 1942; J.D., 1942; M.S., Chicago, 1955.

ROSA E. RIVERA-HAINAJ (2006)
Assistant Professor of Chemistry
B.S., Puerto Rico, 1995; Ph.D., Case Western Reserve, 2001.

CYNTHIA S. ROBERTS (2000)
Associate Professor of Organizational Leadership and Supervision; Chair, Business & Organizational Leadership and Supervision Departments
B.S. Northern Illinois, 1979; M.S., Loyola, 1999.

CHRISTABEL L. ROGALIN (2007)
Assistant Professor of Sociology
B.S., University of Iowa, 2000; M.A., University of Iowa, 2002; Ph.D., University of Iowa, 2007.
CAROLYN D. ROPER (2004)  
Assistant Professor of Organizational Leadership and Supervision  

JANE E. ROSE (1997)  
Associate Professor of English  

PEGGY ROSE (2004)  
Assistant Professor of Nursing  
B.S., Loyola, 1983; M.S., Valparaiso University, 2000.

DANIEL P. RUTLEDGE (2001)  
Associate Professor of Business  

ROGER C. SCHLOBIN (1971-2000)  
Professor Emeritus of English  

KAREN SCHMID (2008)  
Professor of Consumer and Family Sciences; Vice Chancellor for Academic Affairs  
B.S., University of Minnesota; M.S., Southern Illinois University; Ph.D., University of Minnesota.

ANGELA M. SCHOOLEY (2007)  
Assistant Professor of Nursing  
B.S.N., Valparaiso University, 1991; M.S.N., Valparaiso University, 1995; R.N.

KEITH E. SCHWINGENDORF (1973)  
Professor of Mathematics; Dean, College of Science  

Assistant Professor of Sociology  

ROBIN W. SCRIBAIO (1991)  
Professor of Biology; Director, Biology Field Station  
B.S., Carleton (Canada), 1979; M.S., Guelph (Canada), 1983; Ph.D., Toronto (Canada), 1989.

RICHARD M. SCROGGIN (1981)  
Associate Professor of Computer & Information Technology  

JUDY A. SERWATKA (1985)  
Professor of Computer & Information Technology  

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Associate Professor of Communication  

CHRISTOPHER J. SMITH (1984)  
Associate Professor of Electrical and Computer Engineering Technology; ECET Program Coordinator  

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V. SCOTT SMITHSON (1987)  
Associate Professor of Communication; Chair of Communication Department  

DIANE E. SPOJLORIC (1991)  
Associate Professor of Nursing  

JOHN M. SPORES (1991)  
Associate Professor of Psychology  

CHARLOTTE STRAHM (2008)  
Assistant Professor of Nursing  
A.D.N., Purdue University North Central, 1976; B.S.N., Valparaiso University, 1991; M.S.N., 1995; R.N.

WHEI MING SU (1979)  
Associate Professor of Nursing  
B.S., National Defense Medical Center (Taiwan), 1969; M.A., New York, 1979; R.N.

JONATHAN P. SWARTS (2005)  
Assistant Professor of Political Science  

LI TAN (2008)  
Assistant Professor of Electrical & Computer Engineering Technology  
M.S., University of New Mexico, 1989; Ph.D., 1992.
RICHARD L. TAYLOR (1963)
Associate Professor of Building Construction Management Technology
B.S.C.E., Purdue, 1963; M.S.C.E., 1965; Registered Professional Engineer (Indiana, Michigan); Registered Land Surveyor (Indiana, Michigan).

ALAIN S. TOGBE (2003)
Associate Professor of Mathematics
B.S., Benin, 1984; M.A., Laval (Canada), 1994; Ph.D., 1997.

PAUL A. TOMBERS (1986)
Associate Professor of Mechanical Engineering Technology; MET Program Coordinator
B.S., Purdue, 1974; M.S., 1982. Registered Professional Engineer (Indiana)

Professor Emerita of Nursing
B.S., South Dakota State, 1965; M.S., Purdue, 1986; R.N.

LAURA L. UNGER (1987)
Associate Professor of Chemistry

EDWARD M. VAVREK (1997)
Associate Professor of Mechanical Engineering Technology

AARON R. WARREN (2006)
Assistant Professor of Physics
B.A., Vassar, 2000; Ph.D., Rutgers, 2006

MARION V. WHITLOW (1972-75; 1976-97)
Professor Emerita of Nursing
B.S.N., Pittsburgh, 1966; M.S., Indiana, 1976; R.N.

RICHARD L. WHITMAN (2008)
Adjunct Assistant Professor of Biology
B.S., Stephen F. Austin State University, 1971; M.S., 1973; Ph.D., Texas A&M University, 1979.

DONNA L. WHITTEN (1999)
Associate Professor of Business
B.S., Purdue, 1992; M.B.A., Indiana, 1997, C.P.A.

DANIEL S. WILBUR (2005)
Assistant Professor of Communication

PETER J. WILKIN (1990)
Associate Professor of Biology
B.S., University College (London), 1964; M.S., Imperial College (London), 1966; Ph.D., Illinois, 1971.

Professor Emeritus of English

ALBERT L. ZAMBONE (2006)
Visiting Assistant Professor of History

NURI ZEYTINOGLU (1987)
Associate Professor of Mechanical Engineering Technology
B.S., Technical University of Istanbul (Turkey), 1978; M.S., Wichita State, 1982; Ph.D., 1987; Registered Professional Engineer (Indiana).

STACEY ZUREK (2006)
Continuing Lecturer of Education; Coordinator of Distance Learning
B.S., Carroll College; M.S., Purdue.
Director, Building Services

GEORGE T. ASTERIADIS, JR. (1971)
Associate Vice Chancellor for Academic Affairs; Professor of Biology
B.S., State University of New York (Oswego), 1966; Ph.D., Purdue, 1971.

BARBARA A. AUSTIN (2002)
Director, Academic Advising
B.S., Purdue, 1996; M.S., 1994.

G. WILLIAM BACK (1969)
Vice Chancellor for Administration

JUDITH A. BACK (2002)
Business Administrator II/Community Representative

GAIL A. BARKER (1996)
Director, Student Support Services
B.S., Purdue, 1996; M.S., 2000.

SHELBY D. BARNES (1996)
Financial Aid Counselor
A.S., Purdue, 2002.

LAWRENCE M. BARRETT (2005)
Vice Chancellor for Enrollment Management & Student Services

ALLANA T. BURKE (1996)
Academic Advisor/DISCOVER Coordinator

DIANA L. BLANEY (2005)
Director, Accounting

C. DIANE BORAWSKI (2001)
Coordinator, Post-Secondary Education
B.S., Ball State, 1969; M.S., Nebraska, 1977.

Network Systems Administrator
B.S., Purdue, 2000.

THOMAS F. BRADY III (1998)
Chair, Engineering Technology Department; Associate Professor of Industrial Engineering Technology

ROBIN D. BROWN (1999)
OnePurdue Student Team, Information Technology

SUSAN B. BRYCHELL (2006)
Director, Porter County Center

ANTHONY D. CARDENAS (1996)
Director, Admissions

PATRICIA A. CARLISLE (1977)
Equal Opportunity/Affirmative Action Officer; Special Assistant to the Chancellor
RUTHANN O. CHADDOCK (1995)  
Advisor Coordinator/Educational Advisor, Success Through Education/Talent Search  

KAREN D. COBBS (2005)  
Director, Alumni Relations  

JOHN T. COGGINS (1975)  
Dean of Students  

CAROL G. CONNELLY (2001)  
Director, Media and Communications Services  
B.S., Ball State, 1977.

DAVID R. CRUM (1999)  
Director, Correctional Education Programs  

BRYANT M. DABNEY (1997)  
Director of Financial Aid  

RITA A. DAGYS (2003)  
Director, Development  

PUNRA CHANDRA DAS (1991)  
Professor of Physics; Chair of Mathematics/Statistics/Physics  
B.S., Utkal University (India), 1974; M.S., 1976; Ph.D., City University of New York, 1983.

DONNA O. DEMKO (2007)  
Professional Academic Advisor  
B.A., Ohio State, 1980.

ALEXANDRIA R. DENSMORE (2006)  
Professional Academic Advisor  

Director, Purchasing  

PHYLLIS DRANGER (2002)  
Director, Continuing Education  

LINDA M. DUTTLINGER (1985)  
Director, Accreditation and Assessment; Associate Professor of Developmental Studies  

JAMES B. DWORKEYN (1976)  
Chancellor: Professor of Organizational Behavior and Human Resource Management  

JUSTIN H. DWYER (2006)  
Information Systems Programmer  
B.S., Purdue, 2006.

HEATHER M. ENGSTROM (2004)  
Professional Academic Advisor  
B.L.S., Purdue, 2002.

CONNIE S. FIDANZA (1995)  
Professional Academic Advisor  
B.L.S., Purdue, 1999.

CYNTHIA J. PULVER FONTAINE (1983)  
Department Chair, Education; Associate Professor of Education  
B.S., Ball State, 1971; M.S., Purdue, 1976; Ph.D., 1983.

LEIGH A. FULLER (1993)  
Educational Advisor, Success Through Education/Talent Search  
B.L.S., Purdue, 1993.

ROBERT E. GAEKLE (1994)  
Director, Public Safety  
A.S., Indiana, 1974; B.S., 1983.

JOSEPH K. GOEPFRIICH (2000)  
Vice Chancellor for Advancement  

JAN E. HANCHARG (1996)  
Director, Employment and Compensation  
B.S., Purdue, 1989.

Director, Career Development  

CHRISTINE N. HAYES (1979)  
Assistant Director, Purchasing and General Services  

RICHARD A. HENGST (1981)  
Director, Graduate Studies; Professor of Biology  

KENNETH C. HOLFORD (2000)  
Chair, Biology/Chemistry Department; Associate Professor of Biology  

JASON F. INMAN (2000)  
Manager, Technical Support and Training  
B.A., Ball State, 1992; M.S., 1996.

JUDITH N. JACOBI (2003)  
Assistant Vice Chancellor of Marketing and Community Relations  
JODI E. JAMES (2000)
Disability Services Coordinator, Student Support Services

PHILLIP E. JANKOWSKI (1981)
Associate Vice Chancellor for Business and Budget
B.S., Indiana State, 1972; M.S.B.A., Indiana, 1985; C.P.A.

TRICIA B. JAQUET (1997)
Technical Services Librarian

PAUL S. JOHANSEN (1998)
Acting Information Systems Manager, Information Technology

Library Director; Assistant Professor of Library Science

JANET L. KNIGHT (2003)
M.B.A. Program Coordinator

DEBORAH M. KOHLER (2004)
Operations Assistant, Purdue Porter County

SHANNON M. KOUNS (2006)
Administrative Assistant to VC for Academic Affairs

ALAN G. KRABBENHOFT (2007)
Dean, College of Business; Professor of Business

DANA A. KRILL (1999)
Communications and Web Specialist, Campus Relations

D. CAROL KURMIS (2003)
Assistant Director, Career Development
B.S., Purdue, 2002; M.S.Ed., 2007.

KIMBERLEE A. LAIRD (2007)
Financial Aid Counselor
B.S., Purdue, 2002.

KIMBERLY J. LAND (2007)
Information Systems Programming
B.S., Ball State, 1984.

TODD E. LAUX (2003)
Wellness Coordinator

Educational Advisor, Success Through Education/Talent Search

MARY C. LUTE-BROWN (2006)
Program Coordinator

IAN A. MACLAVERY (2008)
Coordinator, Continuing Education

R. JOHN MANNING (2006)
Chair, English & Modern Languages; Professor of English

DIANA K. MAROVICH (1993)
Director, Student Counseling
B.S.W., Ball State, 1980; M.S.W., Illinois, 1986.

BROCK MARTIN (2004)
Accountant
B.S., University of Kentucky, 1998.

LARRY K. MATTHEWS (2006)
Dean, College of Engineering & Technology; Professor of Mechanical Engineering
B.S., New Mexico State, 1974; M.S., 1975; Ph.D., Purdue, 1982.

SUSAN T. MILLER (1998)
Associate Vice Chancellor for Human Resources

AMY C. MOBERG (2003)
Information Systems Programmer

S. REX MORROW (2007)
Dean, College of Liberal Arts; Professor of Education

KYLE K. MULCRONE (2006)
Benefits Coordinator

DEBRA A. NIELSEN (1975)
Assistant to the Chancellor
B.A., Purdue, 1974.

LISA A. OPPELMAN (1995)
Bursar Business Administrator II

KEITH E. PEFFERS (2005)
Director, Food Services
B.S., Purdue, 1989.
JENNIFER S. PILARSKI (2006)
Administrative Assistant to VC for Advancement

GLEN H. PIPER (2001)
Academic Information Technology Manager

LESLIE L. PLESAC (2006)
Director, Porter County Center

DAVID M. PRATT (2002)
Director of Student Teaching

KAREN A. PRESCOTT (1991)
Coordinator of Graphic Design, Photography, and Printing

BEVERLY J. PULLER (1993)
Bursar

MICHAEL A. RAMIAN (2005)
Senior Admissions Recruiter

CYNTHIA S. ROBERTS (2000)
Chair, Organizational Leadership and Supervision/Business; Associate Professor of Organizational Leadership and Supervision
B.S., Northern Illinois, 1979; M.S., Loyola, 1999.

BETH J. RUDNICK (1992)
Professional Academic Advisor, College of Liberal Arts

L. JAMES SALLEE (2000)
Director, Maintenance and Utilities

DENISE A. SCHLAGEL (1994)
Payroll Coordinator
A.S., Purdue, 2002; B.L.S., Purdue, 2007.

KAREN SCHMID (2008)
Vice Chancellor for Academic Affairs; Professor of Consumer and Family Sciences
B.S., University of Minnesota; M.S., Southern Illinois University; Ph.D., University of Minnesota.

KEITH E. SCHWINGENDORF (1973)
Dean, College of Science; Professor of Mathematics

MARcia L. SHurr (1986)
Coordinator, Sitter Service

MARK SMITH (1998)
Chair, Computer & Information Technology Department; Associate Professor of Computer & Information Technology

DONNA R. SMITH-HUNSLEY (1997)
Educational Advisor, Success Through Education
A.A., Ball State, 1984; B.L.S., Purdue, 1993.

V. SCOTT SMIThSON (1987)
Chair, Communication Department; Associate Professor of Communication

MARY SPIESS (2004)
Administrative Assistant to the Vice Chancellor for Enrollment Management and Student Services

KIMBERLY S. SUMMERS (2006)
Coordinator, Nursing Resource Center

STEVEN J. TAYLOR (2001)
Manager, Grounds and Landscape

Professional Academic Advisor
B.L.S., Purdue, 2002.

MADONNA R. TRITLE (1997)
Data Specialist

STEPHEN R. TURNER (1998)
Associate Vice Chancellor for Administration and Facilities

MAHENDRA K. VERMA (1996)
Network Systems Manager
A.S., Purdue, 1995; B.S., MGM College, Madhya Pradesh (India), 1997.

Director, Student Athletics; Head Baseball Coach

BRIAN E. WELCH (2007)
Coordinator, Student Success Center

JANICE L. WHISLER (2001)
Assistant Director, Admissions
SUSAN E. WILSON (1992)
Director, School Partnerships

TARA WILTFONG (2008)
Director of Field Experience
B.S., Purdue North Central, 1998; M.S., 2004

JENNIFER M. WOLSZCZAK (1997)
Assistant Registrar

ERIN C. ZAK (2007)
Admission Recruiter
Degrees offered at Purdue University North Central

Master’s Degrees
Elementary Education
Master of Business Administration (MBA)

Bachelor’s Degrees
Behavioral Sciences
Concentrations in Psychology, Sociology, Social Work
Biology
General Biology
Concentrations in Biochemistry, Ecology, Microbiology, Preprofessional Studies
Business
Concentrations in Accounting, Economics, Management, Marketing
Communication
Computer & Information Technology
Concentrations in Information Systems & Technology, Networking
Construction Engineering & Management Technology
Elementary Education
Early Childhood Education
Engineering Technology
English
Liberal Studies
Mechanical Engineering
Mechanical Technology
Nursing
Organizational Leadership and Supervision
Concentrations in Computer & Information Technology, Human Resource Management & Development, Industrial & Manufacturing Engineering Technology

Associate Degrees
Architectural Technology
Building Construction Management Technology
Business
Civil Engineering Technology
Computer & Information Technology
Electrical Engineering Technology
Industrial Engineering Technology
Mechanical Engineering Technology
Nursing
Organizational Leadership and Supervision
Concentration in Human Resource Science
Concentrations in Biology, Chemistry, Mathematics, Physics, Statistics, Technology/Physics

Certificate Programs
Business/Professional Communication
Computer & Information Technology
Human Resources
Mechanical Engineering Technology
Office Productivity
Organizational Leadership & Supervision
Process Improvement
Quality Control
Statistics
Supervision (online)

Students also may transfer to West Lafayette, other Purdue campuses or other colleges and universities to complete their degrees. For more information on educational opportunities at Purdue University North Central, contact the Admissions Office.
Purdue North Central Logos

The PNC Signature Logo
The signature logo is the fundamental ingredient of the theme, identity, and character development of Purdue University North Central. It is the foundation on which the representation of the university program and communications is focused, and is imperative that consistent use of its signature remain throughout.

The Panther
The PNC Panther is the campus’ athletic mascot. The mascot was named “Pounce” in the spring of 2003. The Panther appears on athletic uniforms, and can be displayed on the PNC web site, campus publications and items sold in the PNC bookstore. Pounce can be seen roaming the campus during Orientation and special events, greeting students and visitors and spreading PNC pride.

Secondary Mark: The Purdue Seal
The Purdue University Seal should be used only in formal and official communications, such as diplomas, letters of acceptance, and communications from the Board of Trustees and the University president. The Purdue Board of Trustees adopted the current seal for the University’s centennial in 1969. This is the fifth seal used by the University, and it replaced one that had been in use for 73 years.

Contact the Campus Relations Office for guidelines on the use of the Purdue University and Purdue University North Central logos.
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