Announcements for the Years 2009-2010

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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 the Assistant Director, EEO and Training, Schwarz 25C.
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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, 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, Engineering Technology, Education, Business, Nursing, Communication, English and Modern Languages academic departments, the office of Enrollment Services, as well as other administrative services.

In 2001, Purdue North Central opened a site in Valparaiso, Indiana. Comprised of two buildings – the graduate building and undergraduate building – it is the primary site for the campus’ MBA program along with many undergraduate classes. In addition the graduate building is used for contract training and other continuing education activities.

The Indiana Commission for Higher Education designated Purdue University North Central as a general purpose institution in October 1986. Purdue University North Central 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.ncacihc.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:

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 characterisitics 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 constituents.

- 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 Science
  
  Biology
  
  Business
  
  Communication
  
  Computer & Information Technology
  
  Construction Engineering & Management Technology
  
  Early Childhood Education
  
  Elementary Education
  
  Engineering Technology
  
  English
  
  Human Resources
  
  Liberal Studies
  
  Mechanical Engineering
  
  Mechanical Engineering Technology
  
  Nursing (2+2; traditional)
  
  Organizational Leadership and Supervision
  
  Secondary Education
• **Associate degree curricula in:**
  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, and innovation. 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 concentrations in Accounting, Economics, Management or Marketing), a Bachelor of Science degree in Organizational Leadership and Supervision, a Bachelor of Science in Human Resources, an Associate degree in Organizational Leadership and Supervision, and several 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 and 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 frontier 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 transferability within the Purdue University system. We currently offer a Bachelor of Science in Computer & Information Technology, Construction Engineering and Management Technology, Engineering Technology, Mechanical Engineering 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 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 Purdue University graduate.

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 Sciences. 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 Science, and Bachelor of 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 and Chemistry offer courses leading toward the Bachelor of Science degree in Biology. 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. 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. This location features 10 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 PNC's Master 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 customized training programs to meet organizational needs.

2. **Center for Occupational Safety and Health**
   The Center brings the most needed OSHA and other safety 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 PNC's 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 non-credit online courses that are informative, fun, convenient, and highly interactive. PNC is pleased to be working with ed2go to provide these quality courses. A wide variety of course offerings range from certification programs like paralegal or graphic design certificates, preparation courses for major computer industry certification exams, 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 experiences a delight 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 10,748 living PNC 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.

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, Networking & Awards Night, PNC Commencement Receptions, Golf Outing, 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 Apparel That Works!, 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, Southlake Nautilus, Team Auto Outlet, Team Honda, Team Hyundai, Valparaiso's Cold Stone Creamery, Wings Etc., and many more are offering substantial discounts to our members. Check our our website for more!

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 or e-mail alumni@pnc.edu 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
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 PNC Assessment 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 coursework 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 four 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.

CORE TRANSFER LIBRARY

The Indiana Commission for Higher Education established the Core Transfer Library (CTL) to assist Indiana students who are contemplating transferring from one Indiana public institution to another. It is a list of general education courses and their equivalents at each institution.

To view the current list of approved CTL courses, go to the TransferIN website at www.TransferIN.net. New courses will be added to the list as they are approved. Indiana institutions may identify these courses individually by placing the following designation by the course title: TransferIN. The transferability of these courses is based on the assumption that any and all other transfer requirements are met, i.e., specific grade must be earned, etc.

Students who plan to transfer credit should always work with academic advisors at both institutions to determine the applicability of credit to a specific degree program.
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 11300</td>
<td>3</td>
</tr>
<tr>
<td>Biological Sciences</td>
<td>4 or 5</td>
<td>BIOL 11000 &amp; 11200</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3 or 4 or 5</td>
<td>CHM 1100, 11500 &amp; 11600</td>
<td>3</td>
</tr>
<tr>
<td>Economics</td>
<td>Micro &amp; Macro 3, 4, or 5 (on both tests)</td>
<td>ECON 21000</td>
<td>3</td>
</tr>
<tr>
<td>English</td>
<td>Language &amp; comp. 3 or 4 or 5</td>
<td>ENGL 10100 &amp; 10200</td>
<td>3</td>
</tr>
<tr>
<td>Government</td>
<td>American govt. and/or politics 4 or 5</td>
<td>POL 10100</td>
<td>3</td>
</tr>
<tr>
<td>History</td>
<td>American 4 or 5</td>
<td>HIST 15100 &amp; 15200</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4 or 5</td>
<td>MA 16100</td>
<td>5</td>
</tr>
<tr>
<td>Modern Languages</td>
<td>3 or 4 or 5</td>
<td>10100, 10200 &amp; 20100 &amp; 20200</td>
<td>6</td>
</tr>
<tr>
<td>Physics</td>
<td>C (Mechanics) 5</td>
<td>PHYS 15200</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>C (Electricity &amp; Magnetism) 5</td>
<td>PHYS 24100 &amp; 25200 or 26100</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>B (General Physics) 5</td>
<td>PHYS 22000 &amp; 22100</td>
<td>8</td>
</tr>
<tr>
<td>Psychology</td>
<td>4 or 5</td>
<td>PSY 12000</td>
<td>3</td>
</tr>
<tr>
<td>Statistics</td>
<td>4 or 5</td>
<td>STAT 30100</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 15100</td>
<td>3</td>
<td>50+</td>
</tr>
<tr>
<td>American History II</td>
<td>HIST 15200</td>
<td>3</td>
<td>50+</td>
</tr>
<tr>
<td>Biology, General</td>
<td>BIOL 11000 &amp; 11100</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 16100 &amp; 16200</td>
<td>10</td>
<td>55+</td>
</tr>
<tr>
<td>Chemistry, General</td>
<td>CHM 10000</td>
<td>3</td>
<td>55+</td>
</tr>
<tr>
<td></td>
<td>CHM 10100 &amp; 10200</td>
<td>7</td>
<td>70+</td>
</tr>
<tr>
<td></td>
<td>CHM 11100</td>
<td>3</td>
<td>50+</td>
</tr>
<tr>
<td></td>
<td>CHM 11100 &amp; 11200</td>
<td>6</td>
<td>65+</td>
</tr>
<tr>
<td></td>
<td>CHM 11500</td>
<td>4</td>
<td>55+</td>
</tr>
<tr>
<td></td>
<td>CHM 11500 &amp; 11600</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 12000</td>
<td>3</td>
<td>47+</td>
</tr>
<tr>
<td>Sociology, Introductory</td>
<td>SOC 10000</td>
<td>3</td>
<td>45+</td>
</tr>
<tr>
<td>Western Civilization I</td>
<td>HIST 10200 &amp; 10300</td>
<td>6</td>
<td>50+</td>
</tr>
<tr>
<td>Western Civilization II</td>
<td>HIST 10400</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's goal is to assist students and alumni in the transition from campus life to career life, through a variety of opportunities and resources such as internships, co-operative learning, mentoring support and job search assistance. Focused on relationship building, counseling and teaching, the Office of Career Development assists students in the process of seeking internships within their chosen field of study. Internships allow students to gain work experience before graduation, and students who meet a certain criteria may also earn academic credit. Additionally, the Office of Career Development provides an on-line job listing 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 that pairs students nearing graduation with professional mentors, as well as access to the Center for Career Opportunities at Purdue University’s main campus in West Lafayette, Indiana.
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 Distinguished 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.

Week    Restrictions
1        Approval of academic advisor.
2-4      Approval of academic advisor and instructor.
5-9      Extenuating circumstances only. Approval of academic advisor, instructor, and head of the department in which the course is listed.
10-16    Not permitted.

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.

CORE TRANSFER LIBRARY

The Indiana Commission for Higher Education established the Core Transfer Library (CTL) to assist Indiana students who are contemplating transferring from one Indiana public institution to another. It is a list of general education courses and their equivalents at each institution.

To view the current list of approved CTL courses, go to the TransferIN website at www.TransferIN.net. New courses will be added to the list as they are approved. Indiana institutions may identify these courses individually by placing the following designation by the course title: TransferIN. The transferability of these courses is based on the assumption that any and all other transfer requirements are met, i.e., specific grade must be earned, etc.

Students who plan to transfer credit should always work with academic advisors at both institutions to determine the applicability of credit to a specific degree program.
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 (Bachelor's or Master's). 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**

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<tr>
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<tr>
<td>8 and up</td>
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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

<table>
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<td>1.9</td>
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<tr>
<td>8 and up</td>
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</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.
DEAN OF STUDENTS OFFICE
The staff of the Dean of Students Office, Room 103 of the Library-Student-Faculty Building, provides many opportunities for students through the provision of an array of services and programs as listed below. In addition, the Dean of Students supports individual student rights and upholds student responsibility to adhere to the Student Code of Conduct (http://www.pnc.edu/cd/policy/conduct.html).

The Dean of Students focus is to promote responsibility and encourage honesty, integrity, and respect among Purdue students through education, compliance with behavioral standards, and support of individual rights. To sustain this mission we are committed to:

- Work collaboratively with students, faculty, and staff to create an ethical and safe environment in which scholarship may flourish;
- Promote good citizenship among students and administer conduct standards in a fair, respectful, and equitable manner;
- Disseminate and interpret University regulations and standards to students, faculty, staff, parents, and the general community;
- Promote compliance with the spirit and intent of the Purdue Bill of Students Rights and University Code of Conduct;
- Serve as a resource and information agency for students, faculty, staff, parents and other concerning student rights and standards;
- Facilitate, with dignity, the resolution of concerns and disputes at the lowest level possible;
- Serve as an advocate for, and resource to, student victims of crimes, harassment, and other traumatic experiences;
- Guide students toward a greater sense of personal responsibility and mature and ethical behavior that enhances the quality of the University and community environment; and
- Provice counseling and educational experiences to assist students in making appropriate choices concerning behavior.

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.

Career Interest Testing
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.
Educational 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.

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.

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, sSs 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, orientation to college, educational and academic guidance and counseling.

For more information or to apply for sSs, a student need only contact the sSs 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 is a member of the National Association of Intercollegiate Athletics (NAIA) and the Chicagoland Collegiate Athletic Conference, fielding teams in men's baseball, men's basketball, women's softball and women's volleyball. A cheerleading squad supports athletics and other campus activities. Additional club sports programs exist or 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 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, they 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. 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 Resource 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 355.

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.

Enrollment Management and Student Services Offices
Student services available at PNC-PC include admission, academic and career advising, registration and financial aid assistance. These services are located in the Undergraduate Building, Room 111.
Bachelor of Arts in Behavioral Science

The Bachelor of Arts in Behavioral Science 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 Science. Guidelines are as follows:

**General Education Core**
6 English Composition
3 Speech Communication
6 Mathematics/Statistics
6 Natural Sciences
3 Modern Language (3 hours FLL 20200)
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 12000 Elementary Psychology
3 SOC 10000 Principles of Sociology
3 SOC 22000 Social Problems
3 PSY 35000 Abnormal Psychology
3 STAT 30100 Elementary Statistical Methods
3 PSY 24000 General Social Psychology or
SOC 34000 General Social Psychology
3 PSY 20100 Quantitative Topics in Psychology or
SOC 38200 Methods of Social Research I
Options
Students will choose an option in psychology, sociology, or social work:

Psychology
3 PSY 25100 Health Psychology
3 PSY 36000 Developmental Psychology
3 PSY 38000 Behavior Change Methods
3 PSY 45000 Crisis Intervention
3 PSY 49800 Senior Research

Social Work
3 SWRK 26100 Introduction to Social Work
3 SWRK 36100 Institution of Social Welfare
3 SWRK 36200 Social Work Practice I
3 SWRK 36300 Social Work Practice II
3 SWRK 46100 Field Practicum in Social Work

Sociology
3 SOC 31000 Racial and Ethnic Diversity
3 SOC 32400 Criminology
3 SOC 39100 Sociology of Violence
3 SOC 41100 Social Stratification
3 SOC 42100 Juvenile Delinquency

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
3 ENG 10100 English Composition I
3 Mathematics
3 PSY 12000 Elementary Psychology
3 Western Heritage
3 Modern Languages I
15 Semester Credits

Second Semester
3 ENGL 10200 English Composition II
3 Science
3 SOC 10000 Introduction to Sociology
3 Other Cultures
3 Modern Languages II
15 Semester Credits

Sophomore Year

Third Semester
3 COM 11400 Speech Communication
3 Social Ethics
3 Natural Science
3 SOC 22000 Social Problems
3 Modern Languages III
15 Semester Credits

Fourth Semester
3 Natural Science
3 U.S. Tradition
3 Mathematics
3 SOC 31000 Racial & Ethnic Diversity
3 Modern Languages IV
15 Semester Credits

Junior Year

First Semester
3 SOC 34000 General Social Psychology or
3 PSY 24000 Intro to Social Psychology
3 STAT 30100 Elementary Statistical Methods
3 Global Perspectives
3 Behavioral Science Course
3 Elective
15 Semester Credits
## Second Semester

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## Fourth Semester

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<td>Ind. &amp; Society</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Elective</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Elective</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
<td><strong>Semester Credits</strong></td>
</tr>
</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 and 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 and 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. 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 40700 (Capstone) and x9500 (special assignments or research) courses. At least one of these courses must have a formal laboratory component and at least one must be a 50000 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 12100 and 11600. 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 X9500).
Students who would like to undertake special study in areas not available through formal course work offered by the department 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 29500, 39500 or 49500. 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 29500, 39500, 49500, 59500). Contact a Biology/Chemistry faculty member for specific information about these opportunities. Undergraduate research and independent study courses are listed as: BIOL 29500, 39500, 49500, and 59500. 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 science, biomedical and environmental engineering, forestry, and wildlife, range, and water management.

Purdue University North Central 2009-2010
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 30000 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 30000 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 Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 22000</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PHYS 22100</td>
<td>General Physics II</td>
</tr>
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</table>

Mathematics (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 22300</td>
<td>Introductory Analysis I</td>
</tr>
<tr>
<td>MA 22400</td>
<td>Introductory Analysis II</td>
</tr>
<tr>
<td>STAT 50300</td>
<td>Statistical Methods for Biology or alternatively,</td>
</tr>
</tbody>
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### General Education (42 credits)

<table>
<thead>
<tr>
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<th>Credits</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENGL 10100</td>
<td>3</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENGL 10200</td>
<td>3</td>
<td>English Composition II</td>
</tr>
<tr>
<td>FL 10100</td>
<td>3</td>
<td>Foreign Language I</td>
</tr>
<tr>
<td>FL 10200</td>
<td>3</td>
<td>Foreign Language II</td>
</tr>
<tr>
<td>FL 20100</td>
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<td>Foreign Language III</td>
</tr>
<tr>
<td>FL 20200</td>
<td>3</td>
<td>Foreign Language IV</td>
</tr>
<tr>
<td>BIOL 11400</td>
<td>1</td>
<td>Freshman Experience Seminar</td>
</tr>
<tr>
<td>BIOL 40700</td>
<td>2</td>
<td>Senior Capstone Experience</td>
</tr>
</tbody>
</table>

**One of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 22000</td>
<td>3</td>
<td>Programming for Engineers and Scientists</td>
</tr>
<tr>
<td>CNIT 17500</td>
<td>3</td>
<td>Visual Programming</td>
</tr>
</tbody>
</table>

### Group A (6 credits; select one two course series)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 15100/15200</td>
<td>6</td>
<td>American History to 1877/United States Since 1877</td>
</tr>
<tr>
<td>ENGL 25500/25600</td>
<td>6</td>
<td>World Literature: From the Beginnings to 1700 A.D./World Literature: From 1700 A.D. to the Present</td>
</tr>
<tr>
<td>ENGL 35000/35100</td>
<td>6</td>
<td>Survey of American Literature: From Its Beginnings to 1865/Survey of American Literature: From 1865 to the Post-World War II Period</td>
</tr>
<tr>
<td>IDIS 43500/43600</td>
<td>6</td>
<td>Great Issues I/Great Issues II</td>
</tr>
</tbody>
</table>

### Group B

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 12000</td>
<td>3</td>
<td>Elementary Psychology</td>
</tr>
<tr>
<td>SOC 10000</td>
<td>3</td>
<td>Introductory Sociology</td>
</tr>
</tbody>
</table>

### Group C (6 credits; select two)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>POL 10100</td>
<td>3</td>
<td>American Government and Politics</td>
</tr>
<tr>
<td>ECON 21000</td>
<td>3</td>
<td>Principles of Economics</td>
</tr>
<tr>
<td>PHIL 11000</td>
<td>3</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>COM 11400</td>
<td>3</td>
<td>Fundamentals of Speech Communication</td>
</tr>
<tr>
<td>ANTH 10000</td>
<td>3</td>
<td>Introduction to Anthropology</td>
</tr>
</tbody>
</table>

### Chemistry (20 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CHM 11500</td>
<td>4</td>
<td>General Chemistry</td>
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<tr>
<td>CHM 11600</td>
<td>4</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>CHM 25500/255L00</td>
<td>4</td>
<td>Organic Chemistry &amp; Lab</td>
</tr>
<tr>
<td>CHM 25600/256L00</td>
<td>4</td>
<td>Organic Chemistry &amp; Lab</td>
</tr>
<tr>
<td>CHM 32100</td>
<td>4</td>
<td>Analytical Chemistry I</td>
</tr>
</tbody>
</table>

If you also take CHM 37200, Physical Chemistry (4 credits), you can obtain a minor in chemistry.

### Biology Core (21 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 12100/11600</td>
<td>3</td>
<td>Biology I: Diversity, Ecology and Behavior &amp; Lab</td>
</tr>
<tr>
<td>BIOL 13100/11800</td>
<td>4</td>
<td>Biology II: Development, Structure and Function &amp; Lab</td>
</tr>
<tr>
<td>BIOL 23100/23200</td>
<td>5</td>
<td>Biology III: Cell Structure and Function &amp; Lab</td>
</tr>
<tr>
<td>BIOL 24100/24200</td>
<td>5</td>
<td>Biology IV: Genetics and Molecular Biology &amp; Lab</td>
</tr>
<tr>
<td>BIOL 28600/28800</td>
<td>4</td>
<td>Introduction to Ecology &amp; Evolution &amp; Lab</td>
</tr>
</tbody>
</table>
**ADDITIONAL REQUIREMENTS**

**General Biology Major (15+ credits excluding BIOL x9500 courses)**
Choose at least one from each of the groups below, at least one laboratory course, and at least one 50000 level biology course.

<table>
<thead>
<tr>
<th>Molecular and Cellular</th>
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</thead>
<tbody>
<tr>
<td>3 BIOL 32200 Microbiology</td>
</tr>
<tr>
<td>2 BIOL 32300 Lab in Microbiology</td>
</tr>
<tr>
<td>3 BIOL 41500 Molecular Biology</td>
</tr>
<tr>
<td>3 BIOL 41700 Biotechnology</td>
</tr>
<tr>
<td>4 BIOL 42300 Physical Principles of Biological Chemistry</td>
</tr>
<tr>
<td>3 BIOL 52900 Bacterial Physiology</td>
</tr>
<tr>
<td>3 BIOL 53300 Medical Microbiology</td>
</tr>
<tr>
<td>2 BIOL 53400 Lab in Medical Microbiology</td>
</tr>
<tr>
<td>3 BIOL 53700 Immunobiology</td>
</tr>
<tr>
<td>3 CHM 33300 Biochemistry</td>
</tr>
<tr>
<td>3 CHM 42000 Molecular Biochemistry Laboratory</td>
</tr>
<tr>
<td>3 CHM 53300 Biochemistry</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Structure &amp; Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 BIOL 40400 Gross Anatomy</td>
</tr>
<tr>
<td>3 BIOL 45600 General &amp; Comparative Physiology</td>
</tr>
<tr>
<td>1 BIOL 45600 Lab in Gen &amp; Comp Physiology</td>
</tr>
<tr>
<td>3 BIOL 46600 Developmental Biology</td>
</tr>
<tr>
<td>3 BIOL 49200 Mycology</td>
</tr>
<tr>
<td>4 BIOL 51300 Advanced Human Anatomy</td>
</tr>
<tr>
<td>3 BTNY 21000 Intro to Plant Sciences</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Evolution</th>
</tr>
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<tbody>
<tr>
<td>3 BIOL 31100 Evolution</td>
</tr>
<tr>
<td>3 BIOL 43300 Intro to Population Genetics</td>
</tr>
<tr>
<td>3 BIOL 49600 Biogeography</td>
</tr>
<tr>
<td>3 BIOL 59200 Evolution of Behavior</td>
</tr>
<tr>
<td>3 BIOL 59700 Sex and Evolution</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ecology &amp; Environmental</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 BIOL 38600 Ecology</td>
</tr>
<tr>
<td>3 BIOL 48300 Environmental &amp; Conservation Biology</td>
</tr>
<tr>
<td>3 BTNY 55500 Aquatic Botany</td>
</tr>
<tr>
<td>3 FNR 50100 Limnology</td>
</tr>
<tr>
<td>3 FNR 54000 Wetlands Ecology</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL</td>
<td>31100</td>
<td>Evolution</td>
</tr>
<tr>
<td>BIOL</td>
<td>38500</td>
<td>Ecology</td>
</tr>
<tr>
<td>FNR</td>
<td>50100</td>
<td>Limnology</td>
</tr>
<tr>
<td>BTNY</td>
<td>55500</td>
<td>Aquatic Botany</td>
</tr>
<tr>
<td>FNR</td>
<td>54000</td>
<td>Wetland Ecology</td>
</tr>
</tbody>
</table>

**Recommended**

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL</td>
<td>32200/32300</td>
<td>Microbiology &amp; Lab</td>
</tr>
<tr>
<td>BIOL</td>
<td>59200</td>
<td>The Evolution of Behavior</td>
</tr>
<tr>
<td>BIOL</td>
<td>59700</td>
<td>Sex and Evolution</td>
</tr>
<tr>
<td>CHM</td>
<td>33300</td>
<td>Introductory Biochemistry</td>
</tr>
</tbody>
</table>

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

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

**Required**

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL</td>
<td>32200/32300</td>
<td>Microbiology &amp; Lab</td>
</tr>
<tr>
<td>BIOL</td>
<td>53300/53400</td>
<td>Medical Microbiology &amp; Lab</td>
</tr>
<tr>
<td>BIOL</td>
<td>53100</td>
<td>Parasitology</td>
</tr>
<tr>
<td>BIOL</td>
<td>53700</td>
<td>Immunobiology</td>
</tr>
</tbody>
</table>

**Recommended**

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL</td>
<td>58000</td>
<td>Evolution</td>
</tr>
<tr>
<td>CHM</td>
<td>33300</td>
<td>Introductory Biochemistry</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL</td>
<td>40400</td>
<td>Gross Anatomy</td>
</tr>
<tr>
<td>BIOL</td>
<td>45500/45600</td>
<td>Animal Physiology &amp; Lab  or</td>
</tr>
<tr>
<td>BIOL</td>
<td>41000</td>
<td>Human Physiology</td>
</tr>
<tr>
<td>CHM</td>
<td>33300</td>
<td>Introductory Biochemistry</td>
</tr>
</tbody>
</table>

**Recommended**

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL</td>
<td>32200/32300</td>
<td>Microbiology &amp; Lab</td>
</tr>
<tr>
<td>BIOL</td>
<td>53300/53400</td>
<td>Medical Microbiology &amp; Lab</td>
</tr>
<tr>
<td>BIOL</td>
<td>53700</td>
<td>Immunobiology</td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL</td>
<td>40400</td>
<td>Gross Anatomy</td>
</tr>
<tr>
<td>BIOL</td>
<td>41000</td>
<td>Human Physiology</td>
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<tr>
<td>BIOL</td>
<td>32200/32300</td>
<td>Microbiology &amp; Lab</td>
</tr>
<tr>
<td>BIOL</td>
<td>53300/53400</td>
<td>Medical Microbiology &amp; Lab</td>
</tr>
<tr>
<td>BIOL</td>
<td>53700</td>
<td>Immunobiology</td>
</tr>
<tr>
<td>CHM</td>
<td>33300</td>
<td>Introductory Biochemistry</td>
</tr>
<tr>
<td>BIOL</td>
<td>41500</td>
<td>Molecular Biology</td>
</tr>
</tbody>
</table>
Preveterinary Medicine Concentration (General Biology Major including the following courses:)
See General Biology Major Groups

Required
3 ECON 21000 Principles of Economics
3 COM 11400 Fundamentals of Speech Communication
3 CHM 33300 Introductory Biochemistry
5 BIOL 32200/32300 Microbiology & Lab
5 BIOL 40400 Gross Anatomy
4 BIOL 45500/45600 Animal Physiology & Lab or
4 BIOL 41000 Human Physiology
Other upper-level courses may be available; check with your advisor.

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 16700* Plane Analytic Geometry & Calculus I
3 ENGL 10100 English Composition I
4 Laboratory Science
3 Humanities or Social Sciences Elective
15 Semester Credits

Second Semester
5 MA 16900* Plane Analytic Geometry & Calculus II
3 ENGL 10200 English Composition II
4 Laboratory Science
3 Humanities and Social Science Elective
15 Semester Credits

Sophomore Year
Third Semester
4 MA 26100 Multivariate Calculus
4 Laboratory Science
3 Professionally Pertinent Elective
3 COM 11400 Fundamentals of Speech Communication
3 CS 22000 Programming I for Engineers and Scientists
17 Semester Credits

Fourth Semester
4 MA 26200 Linear Algebra and Differential Equations
3 MA 35100 Elementary Linear Algebra
4 Laboratory Science
6 Professionally Pertinent Elective
17 Semester Credits
 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**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td>MA 16700*</td>
<td>Plane Analytic Geometry &amp; Calculus I</td>
</tr>
<tr>
<td></td>
<td>ENGL 10100</td>
<td>English Composition I</td>
</tr>
<tr>
<td></td>
<td>CHM 11500</td>
<td>General Chemistry</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Humanities or Social Sciences Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 Semester Credits</td>
</tr>
</tbody>
</table>

| Second   | MA 16900*   | Plane Analytic Geometry & Calculus II            |
|          | ENGL 10200  | English Composition II                           |
|          | CHM 11600   | General Chemistry                                |
|          | PHYS 15200  | Mechanics                                       |
|          |             | 16 Semester Credits                              |

**Sophomore Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third</td>
<td>MA 26100</td>
<td>Multivariate Calculus</td>
</tr>
<tr>
<td></td>
<td>PHYS 25100</td>
<td>Heat, Electricity, and Optics</td>
</tr>
<tr>
<td></td>
<td>CS 22000</td>
<td>Programming I for Engineers and Scientists</td>
</tr>
<tr>
<td></td>
<td>COM 11400</td>
<td>Fundamentals of Speech Communication</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Professionally Pertinent Electives</td>
</tr>
<tr>
<td></td>
<td></td>
<td>18 Semester Credits</td>
</tr>
</tbody>
</table>

| Fourth   | MA 26200    | Linear Algebra and Differential Equations        |
|          | PHYS 34200  | Modern Physics                                   |
|          |             | Humanities or Social Sciences Elective           |
|          |             | Professionally Pertinent Electives               |
|          |             | 16 Semester Credits                              |

*MA 16100 and MA 16200 are taught on the Purdue West Lafayette campus; MA 16700 is equivalent to MA 16100 and MA 16900 is equivalent to MA 16200.

**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**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td>MA 16700*</td>
<td>Plane Analytic Geometry and Calculus I</td>
</tr>
<tr>
<td></td>
<td>ENGL 10100</td>
<td>English Composition I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Laboratory Science</td>
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<td></td>
<td>Humanities or Social Sciences Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 Semester Credits</td>
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</tbody>
</table>
### Sophomore Year

#### First Semester

<table>
<thead>
<tr>
<th>Credit</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>MA 26100</td>
<td>Multivariate Calculus</td>
</tr>
<tr>
<td>3</td>
<td>STAT 22500</td>
<td>Introduction to Probability</td>
</tr>
<tr>
<td>3</td>
<td>STAT 35000</td>
<td>Introduction to Statistics</td>
</tr>
<tr>
<td>3</td>
<td>COM 11400</td>
<td>Fundamentals of Speech Communication</td>
</tr>
</tbody>
</table>

#### Second Semester

<table>
<thead>
<tr>
<th>Credit</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>MA 26200</td>
<td>Linear Algebra and Differential Equations</td>
</tr>
<tr>
<td>3</td>
<td>MA 35100</td>
<td>Elementary Linear Algebra</td>
</tr>
<tr>
<td>3</td>
<td>CS 22000</td>
<td>Programming I for Engineers and Scientists</td>
</tr>
<tr>
<td>3</td>
<td><strong>Professional Pertinent Elective</strong></td>
<td></td>
</tr>
</tbody>
</table>

### 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>Credit</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>MA 16700*</td>
<td>Plane Analytic Geometry &amp; Calculus I</td>
</tr>
<tr>
<td>3</td>
<td>ENGL 10100</td>
<td>English Composition I</td>
</tr>
<tr>
<td>4</td>
<td>CHM 11500</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>3</td>
<td>MET 14100</td>
<td>Materials I</td>
</tr>
<tr>
<td>3</td>
<td>CGT 11000</td>
<td>Computer Graphics Communication</td>
</tr>
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</table>

#### Second Semester

<table>
<thead>
<tr>
<th>Credit</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>MA 16900*</td>
<td>Plane Analytic Geometry &amp; Calculus II</td>
</tr>
<tr>
<td>3</td>
<td>ENGL 10200</td>
<td>English Composition II</td>
</tr>
<tr>
<td>4</td>
<td>CHM 11600</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>4</td>
<td>PHYS 15200</td>
<td>Mechanics</td>
</tr>
</tbody>
</table>

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*MA 16100 and MA 16200 are taught on the Purdue West Lafayette campus; MA 16700 is equivalent to MA 16100 and MA 16900 is equivalent to MA 16200.

**Students should strongly consider taking at least one of the following as a Professional Pertinent Elective: STAT 36100, STAT 36200 or STAT 36300.
## Sophomore Year

### Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 26100</td>
<td>4</td>
<td>Multivariate Calculus</td>
</tr>
<tr>
<td>PHYS 25100</td>
<td>5</td>
<td>Heat, Electricity, and Optics</td>
</tr>
<tr>
<td>MET 24200</td>
<td>3</td>
<td>Manufacturing Processes II</td>
</tr>
<tr>
<td>COM 11400</td>
<td>3</td>
<td>Fundamentals of Speech Communication</td>
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</tbody>
</table>

15 Semester Credits

### Fourth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 26200</td>
<td>4</td>
<td>Linear Algebra and Differential Equations</td>
</tr>
<tr>
<td>PHYS 34200</td>
<td>3</td>
<td>Modern Physics</td>
</tr>
<tr>
<td>Humanities or Social Sciences Elective</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CS 22000</td>
<td>3</td>
<td>Programming I for Engineers and Scientists</td>
</tr>
</tbody>
</table>

16 Semester Credits

*MA 16100 and MA 16200 are taught on the Purdue West Lafayette campus; MA 16700 is equivalent to MA 16100 and MA 16900 is equivalent to MA 16200.*
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 aspect of the people, money, machines, and materials with which structures are built. It stresses production rather than design, and management rather than craft skills.

Graduates are prepared to work for all types of construction firms: residential, commercial, industrial, highway, heavy, mechanical, electrical and specialty. Graduates also are prepared for work in both field and office environments. 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 degree in Construction Engineering and Management Technology.

Graduates of this program will be able to satisfy the objectives described below. These objectives satisfy the requirements for ABET/TAC accredited programs.

1. Have developed deep understanding sufficient to enter in the construction industry and continue advancement in it or in any related field, including surveying and construction contract documentation.
2. Have the necessary technical skills to evaluate materials and methods for construction projects.
3. Possess the required skills to utilize modern surveying instruments and methods for site analysis and construction layouts.
4. Have the knowledge and mathematical skills for determining forces & stresses in elementary structural systems.
5. Shall understand the basics of the material and labor components of construction as well as the professional, ethical, and social responsibilities involved in construction estimating. Have the knowledge and ability to determine quantities of materials and expenses involved in installing them. Students shall be able to prepare a construction estimate using an estimating software package.
6. Have the ability to use specialized software to solve technical problems.

GENERAL PLAN OF STUDY: BUILDING CONSTRUCTION MANAGEMENT TECHNOLOGY

Freshman Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART</td>
<td>3</td>
<td>Plans and Specifications</td>
</tr>
<tr>
<td>BCM</td>
<td>2</td>
<td>Introduction to Construction</td>
</tr>
<tr>
<td>CGT</td>
<td>3</td>
<td>Technical Graphics Communications</td>
</tr>
<tr>
<td>CNIT</td>
<td>3</td>
<td>Microcomputer Spreadsheet Applications</td>
</tr>
<tr>
<td>ENGL</td>
<td>3</td>
<td>English Composition I</td>
</tr>
<tr>
<td>MA</td>
<td>3</td>
<td>Algebra and Trigonometry I</td>
</tr>
</tbody>
</table>

17 Semester Credits
### Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 15000</td>
<td>3</td>
<td>Architectural Construction I</td>
</tr>
<tr>
<td>BCM 23500</td>
<td>3</td>
<td>Construction Materials &amp; Systems</td>
</tr>
<tr>
<td>CET 16000</td>
<td>3</td>
<td>Statics</td>
</tr>
<tr>
<td>CGT 29000</td>
<td>3</td>
<td>Computer-Aided Drafting and Design</td>
</tr>
<tr>
<td>ENGL 10200</td>
<td>3</td>
<td>English Composition II</td>
</tr>
<tr>
<td>MA 15400</td>
<td>3</td>
<td>Algebra and Trigonometry II</td>
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</tbody>
</table>

**18 Semester Credits**

### Sophomore Year

#### Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCM 11200</td>
<td>3</td>
<td>Construction Surveying Fundamentals</td>
</tr>
<tr>
<td>BCM 27000</td>
<td>3</td>
<td>Materials and Estimates</td>
</tr>
<tr>
<td>CET 26000</td>
<td>3</td>
<td>Strength of Materials</td>
</tr>
<tr>
<td>COM 11400</td>
<td>3</td>
<td>Fundamentals of Speech Communication</td>
</tr>
<tr>
<td>MA 22300</td>
<td>3</td>
<td>Introductory Analysis I</td>
</tr>
</tbody>
</table>

**15 Semester Credits**

#### Fourth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCM 21200</td>
<td>3</td>
<td>Construction Layout</td>
</tr>
<tr>
<td>CET 26600</td>
<td>3</td>
<td>Materials Testing</td>
</tr>
<tr>
<td>MA 22400</td>
<td>3</td>
<td>Introductory Analysis II</td>
</tr>
<tr>
<td>MGMT 20000</td>
<td>3</td>
<td>Introductory Accounting</td>
</tr>
<tr>
<td>PHYS 22000</td>
<td>4</td>
<td>General Physics I</td>
</tr>
</tbody>
</table>

**16 Semester Credits**

Total credits required for associate degree: 66

**Note to students pursuing the Bachelor of Science Degree:**
See Construction Engineering and Management Technology plan of study.
**Master of Business Administration**

In today's economy, business professionals need to be flexible to respond quickly to new challenges and opportunities. The MBA degree has become the recognized credential for leaders throughout business, industry and the non-profit sector. The MBA program has been designed to:

- 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 health care.
- 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 their education.

**Description:**

The Master's 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:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 60100</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>MGMT 61200</td>
<td>Financial Management III</td>
</tr>
<tr>
<td>MGMT 62200</td>
<td>Marketing Strategy</td>
</tr>
<tr>
<td>OBHR 63300</td>
<td>Human Resource Management</td>
</tr>
<tr>
<td>MGMT 65000</td>
<td>Strategic Management</td>
</tr>
<tr>
<td>MGMT 66000</td>
<td>Operations Management</td>
</tr>
<tr>
<td>MGMT 67100</td>
<td>Quantitative Methods II</td>
</tr>
<tr>
<td>MGMT 68000</td>
<td>Information Technology</td>
</tr>
</tbody>
</table>

Electives (12 credits)

To qualify for the Core Program a student is expected to have a Bachelor's 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)

ECO N 51300: Economic Theory
MGMT 60000: Financial Accounting I
MGMT 61100: Financial Management II
MGMT 62000: Marketing Management I
MGMT 63000: Legal & Social Foundations of Management
MGMT 67000: Quantitative Methods I
OBHR 68100: 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:

- 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 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 professional 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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 10100</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENGL 10200</td>
<td>English Composition II</td>
</tr>
<tr>
<td>COM 11400</td>
<td>Fundamentals of Speech Communication</td>
</tr>
<tr>
<td></td>
<td>Communication/Writing Elective</td>
</tr>
<tr>
<td>MA 15300</td>
<td>Algebra and Trigonometry I</td>
</tr>
<tr>
<td>STAT 21300</td>
<td>Probability and Decision Theory</td>
</tr>
<tr>
<td>CNIT 10700</td>
<td>Computer Literacy</td>
</tr>
</tbody>
</table>

**General Education Requirements**

- Aesthetic Awareness Elective
- Western Heritage Elective (2)
- Natural Science Elective (2)
- Cultural/Social/Behavioral Elective (2)
- United States Tradition – GBG 127 Introduction to Business
- United States Tradition Elective
- General Education Elective (3)

**Common Business Core:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLS 25200</td>
<td>Human Relations in Organizations</td>
</tr>
<tr>
<td>GBG 26000</td>
<td>Business Law</td>
</tr>
<tr>
<td>MGMT 20000</td>
<td>Financial Accounting</td>
</tr>
</tbody>
</table>
MGMT 20100 Managerial Accounting  
GBA 22800 Financial Accounting II  
ECON 25100 Micro-economics  
ECON 25200 Macro-economics  
GBM 32900 Principles of Marketing  
GBG 33300 Business Finance  
GBG 35100 Organization and Management

**All Concentrations Except Accounting**
- STAT 30100 Elementary Statistics
- GBI 30100 International Business
- GBG 40500 Business Strategy

**Accounting Concentration**
- GBA 34000 Intermediate Acct I
- GBA 34100 Intermediate Acct II
- Quantitative/Computing Elective

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

**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 (30000 or 40000) with Department approval

### Economics Concentration
- ECON 30100 Managerial Economics
- ECON 30200 Business Conditions Analysis
- 3 upper-level courses in Economics (30000 or 40000)

### Management Concentration
- GBG 35200 Organization and Management II
- GBG 35300 Organization and Environment
- GBG 35400 Management Information Systems
- IET 35200 Operations Management
- Any 30000 level course in the College of Business

### Marketing Concentration
- GBM 31800 Principles of Advertising
- GBM 32500 Marketing Research
- GBM 38500 Consumer Behavior
- GBM 38800 Principles of Retailing
- GBM 40000 Marketing Management

### No Concentration
- A selection of any 5 upper level (30000 and 40000) courses within the College 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 faculty advisor would be happy to work with you to develop a suitable plan of study.


**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 are 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)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 10100</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENGL 10200</td>
<td>English Composition II</td>
</tr>
<tr>
<td>COM 11400</td>
<td>Fundamentals of Speech Communication</td>
</tr>
<tr>
<td>MA 15300</td>
<td>Algebra and Trigonometry</td>
</tr>
<tr>
<td>STAT 21300</td>
<td>Probability and Decision Theory</td>
</tr>
<tr>
<td>CNIT 10700</td>
<td>Computer Literacy</td>
</tr>
</tbody>
</table>

Aesthetic Awareness Elective  
Western Heritage or United States Tradition Elective  
Natural Science Elective  
Cultural/Social/Behavioral Elective

**Business Core (33 credit hours)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GBG 12700</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>OLS 25200</td>
<td>Human Relations in Organizations</td>
</tr>
<tr>
<td>GBG 26000</td>
<td>Business Law</td>
</tr>
<tr>
<td>MGMT 20000</td>
<td>Financial Accounting</td>
</tr>
<tr>
<td>MGMT 20100</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>ECON 25100</td>
<td>Microeconomics</td>
</tr>
<tr>
<td>ECON 25200</td>
<td>Macroeconomics or</td>
</tr>
<tr>
<td>GBA 22800</td>
<td>Principles of Accounting II</td>
</tr>
<tr>
<td>GBM 32900</td>
<td>Principles of Marketing</td>
</tr>
</tbody>
</table>

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.
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’s choosing (of which two must be 30000 level or higher). The remaining courses will be general education requirements (51 credits) and elective courses.

**General Education core:**

1. English Composition
2. Speech Communication
3. Modern Languages (French, German, Spanish or ASL at the fourth level)
4. Mathematics and Statistics
5. Natural Science
6. Western Heritage
7. United States Tradition
8. Other Cultures
9. Aesthetic Awareness
10. Racial and Ethnic Diversity
11. Gender Issues
12. Individual and Society
13. Social Ethics
14. Global Perspective

**Communication core:**

1. COM 20400 Critical Perspectives on Communication
2. COM 21200 Approaches to the Study of Interpersonal Communication
3. COM 25000 Mass Communication & Society
4. COM 30000 Introduction to Communication Research Methods
5. COM 31400 Advanced Presentational Speaking
6. COM 31800 Principles of Persuasion
7. COM 32400 Introduction to Organizational Communication
8. COM 43500 Communication & Emerging Technologies

24 Semester Credits

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

**First Semester**
- **3** COM 11400 Fundamentals of Speech Communication
- **3** ENGL 10100 English Comp I
- **3** Core requirement
- **3** Core requirement

15 Semester Credits

**Second Semester**
- **3** COM 21200 Approaches to the Study of Interpersonal Communication
- **3** ENGL 10200 English Composition II
- **3** Core requirement
- **3** Core requirement
- **3** Core requirement

15 Semester Credits

### Sophomore Year

**Third Semester**
- **3** COM 20400 Critical Perspectives on Communication
- **3** COM 25000 Mass Communication & Society
- **3** Core requirement
- **3** Core requirement
- **3** Elective or minor

15 Semester Credits

**Fourth Semester**
- **3** First additional course in major
- **3** COM 31400 Advanced Presentational Speaking
- **3** Core requirement
- **3** Core requirement
- **3** Elective or minor

15 Semester Credits

### Junior Year

**Fifth Semester**
- **3** COM 31800 Principles of Persuasion
- **3** COM 32400 Introduction to Organizational Communication
- **3** Core requirement
- **3** Elective or minor
- **3** Elective

15 Semester Credits
Sixth Semester
3  COM  30000  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  Semester Credits

Senior Year

Seventh Semester
3  COM  43500  Communication and Emerging Technologies
3  Third additional course in major
3  Elective or minor
3  Elective
3  Elective

15  Semester Credits

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

18  Semester Credits

Total credit hours required for degree: 126

INTERNERSHIP OPPORTUNITY FOR COMMUNICATION MAJORS

Communication 49000/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 should 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.

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>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENGL 10100</td>
<td>English Composition I</td>
</tr>
<tr>
<td>ENGL 10200</td>
<td>English Composition II or Technical Writing</td>
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<tr>
<td>COM 11400</td>
<td>Fundamentals of Speech Communication</td>
</tr>
<tr>
<td>COM 20400</td>
<td>Critical Perspectives on Communication</td>
</tr>
<tr>
<td>CNIT 10700</td>
<td>Computer Literacy</td>
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Electives (choose 3)

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<thead>
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<td>ENGL 42000</td>
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<td>COM 31500</td>
<td>Speech Communication of Technical Information</td>
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<td>COM 31800</td>
<td>Principles of Persuasion</td>
</tr>
<tr>
<td>COM 32000</td>
<td>Small Group Discussion</td>
</tr>
<tr>
<td>COM 32400</td>
<td>Introduction to Organizational Communication</td>
</tr>
<tr>
<td>COM 32500</td>
<td>Interviewing: Principles and Practices</td>
</tr>
<tr>
<td>COM 41500</td>
<td>Discussion of Technical Problems</td>
</tr>
<tr>
<td>COM 49100</td>
<td>Special Topics in Communication</td>
</tr>
<tr>
<td>CNIT 12700</td>
<td>Microcomputer Spreadsheet Applications</td>
</tr>
</tbody>
</table>

Terminal Project/Internship

3 COM 49000 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
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 technology (IT) workforce, with skills necessary to design and implement complex information systems and services in business and industry. The curriculum in the CIT Department is designed to enable students to work in this dynamic environment and to adapt to changes as they occur in this evolving world. In recent years, technology graduates have declined while job opportunities have increased, offering great opportunities to the CIT graduate. As technologies become more sophisticated, the need for those with computer degrees will continue to increase.

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, systems consultants who work as information systems knowledge providers, and network administrators. Objectives of the CIT Degree include:

- Gaining an understanding of information systems and the ability to analyze and develop them
- Understanding traditional and contemporary systems development methods
- Understanding and performing basic data modeling techniques
- Using contemporary design and programming tools to implement technology solutions
- Using computer-aided systems engineering (CASE) technology
- Understanding and using the tools and techniques of project management.
- 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

Computer and Information Technology careers:

- Application developer
- Consultant
- Data analyst or administrator
- Information analyst
- IT analyst
- Network engineer or administrator
- Programmer analyst
- Project manager
- Software developer, engineer, support or tester
- Web developer
Computer & Information Technology (CIT) is an applied program in which students learn by doing. They apply the knowledge gained in the classroom to assignments they complete in the computer lab. CIT courses provide students with strong technical skills, a thorough understanding of business needs, and the ability to communicate effectively in the business environment.

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

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

### GENERAL PLAN OF STUDY

#### Freshman Year

**Fall Semester**

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<tr>
<th></th>
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<th>Credits</th>
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<tr>
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<tr>
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<td>CNIT 17600</td>
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<tr>
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<td>CNIT 18000</td>
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<tr>
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<td>CNIT 19000</td>
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<tr>
<td>3</td>
<td>MA 15300</td>
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**Spring Semester**

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#### Sophomore Year

**Fall Semester**

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<td>OLS 25200</td>
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<td>3</td>
<td>COM 11400</td>
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**Spring Semester**

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<td>CNIT 28000</td>
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<td>Junior Year</td>
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<td>Fall Semester</td>
<td>3 CNIT 30400</td>
<td>Operating Systems</td>
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<td>3 CNIT 37200</td>
<td>Database Programming</td>
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<td>Professional Speaking Selective&lt;sup&gt;8&lt;/sup&gt;</td>
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<td>Interdisciplinary Selective&lt;sup&gt;9&lt;/sup&gt;</td>
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<td></td>
<td>15 Semester Credits</td>
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<td>Spring Semester</td>
<td>3 CNIT 33000</td>
<td>LAN &amp; Systems Admin.</td>
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<td>3 CNIT 35000</td>
<td>Object Oriented Programming</td>
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<td>Interdisciplinary Selective&lt;sup&gt;9&lt;/sup&gt;</td>
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<tr>
<td>Senior Year</td>
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<tr>
<td>Fall Semester</td>
<td>3 CNIT 34300</td>
<td>Advanced Sys &amp; Network Admin.</td>
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<td></td>
<td>3 CNIT 48000</td>
<td>Managing Info. Technology Projects</td>
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<td>Information Systems Selective&lt;sup&gt;6&lt;/sup&gt;</td>
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<td>Interdisciplinary Selective&lt;sup&gt;9&lt;/sup&gt;</td>
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<td>15 Semester Credits</td>
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<td>Spring Semester</td>
<td>3 CNIT 48500</td>
<td>Topics in Info. Sys. &amp; Technology</td>
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<td>Information Systems Selective&lt;sup&gt;6&lt;/sup&gt;</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>15 Semester Credits</td>
</tr>
</tbody>
</table>

CIT bachelor degree: 121 credits required.
SELECTIVES
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 12700, IET 10400

2 Reserved for future use.

3 Economics Selective
   ECON 21000, ECON 25100, ECON 25200

4 Speech Communication Selective
   COM 31400, COM 31500, COM 32000, COM 41500, COM 49100 (Business Communication only)

5 Statistics Selective
   STAT 21300, STAT 22500, STAT 30100

6 Information Systems Selective
   CNIT 36100 - Software Redesign Using COBOL, CNIT 38400 - Requirements Discovery and Modeling, CNIT 47500 - Electronic Commerce and Business Implementation, CNIT 48100 - Information Systems Management, or other 30000 or above CNIT courses as approved by the CIT department.

7 Free Elective
   Can be any course except those that are considered to be remedial for CIT such as CNIT 10700, ENGL 10000, MA 15300 and below.

8 Professional Speaking Selective
   COM 31500, COM 32000, COM 32500, COM 41500

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 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
Students must choose one selective from five of the six Interdisciplinary Areas that follow below. Note: Instead of choosing five Interdisciplinary selectives, a student may substitute up to five courses from any approved, non-CIT minor. If the minor has fewer than five courses, one selective must be chosen from enough Interdisciplinary Areas to bring the total number of minor courses plus Interdisciplinary selectives to five.

Interdisciplinary Area: Business Law
   GBG 25900 Law and Society
   GBG 26000 Business Law
   OLS 36800 Personnel Law

Interdisciplinary Area: Finance
   IET 45100 Monetary Analy. for Indust. Decisn.
   MGMT 20100 Managerial Accounting

Interdisciplinary Area: Manufacturing
   IET 22400 Production Planning and Control
   IET 26800 Facilities Planning
   IET 35200 Operations Management
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MET 45100</td>
<td>Manufacturing Quality Control</td>
</tr>
<tr>
<td>MFET 24300</td>
<td>Automated Manufacturing I</td>
</tr>
</tbody>
</table>

**Interdisciplinary Area: Marketing**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GBM 32900</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>MGMT 32300</td>
<td>Introduction to Marketing Analysis</td>
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</table>

**Interdisciplinary Area: Org Behavior and Human Resources**

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<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>COM 32400</td>
<td>Intro. to Organizational Communication</td>
</tr>
<tr>
<td>OLS 37500</td>
<td>Training Methods</td>
</tr>
<tr>
<td>OLS 37600</td>
<td>Human Resource Issues</td>
</tr>
<tr>
<td>OLS 38600</td>
<td>Leadership for Organizational Change</td>
</tr>
<tr>
<td>OLS 38800</td>
<td>Leadership through Teams</td>
</tr>
<tr>
<td>PSY 37200</td>
<td>Intro. to Industrial/Organizational Psychology</td>
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</tbody>
</table>

**Interdisciplinary Area: Quality Control**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>IET 36400</td>
<td>Total Quality Management (sub: OLS 48400)</td>
</tr>
<tr>
<td>MET 45100</td>
<td>Manufacturing Quality Control</td>
</tr>
<tr>
<td>OLS 48400</td>
<td>Ldrshp. Strategies for Qual. &amp; Prod. (sub: IET 36400)</td>
</tr>
</tbody>
</table>
**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: CIT ASSOCIATE DEGREE**

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

The Associate Degree Plan of Study is the same as the Freshman and Sophomore years of the CIT Bachelor of Science Degree.

**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 15400 and who have not received a degree in CIT, CPT, CIS, or CS 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 (CNIT 10700) before taking other CNIT 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.

**CNIT Core Courses (27 credits)**

<table>
<thead>
<tr>
<th>Credit</th>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
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<td>CNIT 14100</td>
<td>Internet Found., Tech., and Develop.</td>
</tr>
<tr>
<td>3</td>
<td>CNIT 15500</td>
<td>Intro. to Obj-Oriented Programming</td>
</tr>
<tr>
<td>3</td>
<td>CNIT 17600</td>
<td>Information Tech. Architectures</td>
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<td>3</td>
<td>CNIT 18000</td>
<td>Intro. to Systems Development</td>
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<tr>
<td>3</td>
<td>CNIT 25500</td>
<td>Programming for the Internet</td>
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<td>Database Fundamentals</td>
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<td>Systems Software and Networking</td>
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<td>Sys. Analysis and Design Methods</td>
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<td>3</td>
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**Selective (3 credits)**

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

**Progression Requirements**

Due to prerequisites CNIT courses must be taken in the appropriate sequence. A student must earn a “C minus” or higher in a prerequisite CNIT course to move on to the next CNIT course in the sequence. Also, a minimum grade point average of 2.00 calculated for all CNIT courses is required to receive a certificate in Computer & Information Technology. A student may only repeat a CNIT 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 Degree in Construction Engineering and Management Technology

A student with the Bachelor of Science in Construction Engineering and Management Technology degree may have employers who are home and/or commercial builders, building suppliers, government agencies, land surveyors, highway departments and engineering consultants. A large variety of positions, both in office and field environments, are available as project managers, superintendents, schedulers, or estimators.

All graduates of the BS degree in Construction Engineering and Management Technology will have developed a depth of understanding sufficient for employment in the field of construction and/or to allow for continuing education toward an advanced degree.

Students holding the baccalaureate degree in Construction Engineering and Management Technology, in addition to the listed competencies for the associate degree in Building Construction Management Technology, are capable of:

1. Understanding the construction process, construction systems, and shall be able to use this understanding in the preparation of construction drawings, using appropriate software and utilizing the design, construction and operations documents.

2. Performing economic analysis for financial decision making to support construction management and cost estimates related to design, construction, and maintenance of systems in construction technical specialties.

3. Selecting appropriate construction materials and practices.

4. Applying principles of construction law and ethics.

5. Applying basic technical concepts to the solution of construction problems involving hydraulics and hydrology, geotechnics, and structures. In addition, students shall be able to schedule a construction project using scheduling software and be able to manage the project safely and effectively.

6. Communicate effectively verbally, non-verbally, and in writing; and excel in interpersonal communication to support a management role in the industry.

Upper division construction courses may be offered on a two-year cycle.
GENERAL PLAN OF STUDY: CONSTRUCTION ENGINEERING & MANAGEMENT TECHNOLOGY

The following is a sample plan of study. Visit the College of Engineering and Technology’s website at www.pnc.edu/et for the most current information.

**Freshman Year**

**First Semester**

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<thead>
<tr>
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<tr>
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<td>Plans and Specifications</td>
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<tr>
<td>BCM 10000</td>
<td>2</td>
<td>Introduction to Construction</td>
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<tr>
<td>CGT 11000</td>
<td>3</td>
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<td>CNIT 12700</td>
<td>3</td>
<td>Microcomputer Spreadsheet App.</td>
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<tr>
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<td>3</td>
<td>Algebra and Trigonometry I</td>
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**Second Semester**

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<td>Statics</td>
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<td>Computer-Aided Drafting &amp; Design</td>
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**Sophomore Year**

**Third Semester**

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<td>MA 22300</td>
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**Fourth Semester**

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<td>MGMT 20000</td>
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<td>Junior Year</td>
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<td>Fifth Semester</td>
<td>3 CET 28000</td>
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<td>3 BCM 34500</td>
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<td>3 ENGL 42100</td>
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<td>3 CNT 32500</td>
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<td>Properties and Behavior of Soils</td>
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<td>3 CEMT 34400</td>
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<td>3 CEMT 49000</td>
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<td></td>
<td>3 IET 45100</td>
<td>Monetary Analysis for Industrial Decisions or</td>
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<tr>
<td></td>
<td>3 IET 30100</td>
<td>Cost Evaluation &amp; Control</td>
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<td>3</td>
<td>Humanities/Social Science Elective</td>
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<tr>
<td></td>
<td>3</td>
<td>Technical Elective</td>
</tr>
<tr>
<td></td>
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<td>15 Semester Credits</td>
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</table>

**Construction Work Experience**

All 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. Properly documented, any (voluntary) time donated to a community construction project can count toward the construction work experience requirement.

**Note to Students who eventually want to pursue a Master of Business Administration (MBA) degree.**

Please look at the MBA admissions requirements on the PNC website (http://www.pnc.edu/MBA) The required accounting, business law, marketing and OLS courses needed for admissions to the MBA program may be taken as electives for the BS degree.

Total credits required for baccalaureate degree: 131
Bachelor of Science in Secondary Education

Purdue University North Central offers a program of study leading to a Bachelor of Science degree in secondary education in the content areas of Mathematics, Life Science, Chemistry, Physics and Physical Science. 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. Questions concerning a specific content area may be directed to chairs of the respective departments.

The plans of study for these programs consist of (1) general education requirements; (2) specific content area requirements; and (3) Education requirements to bring the total credits to between 119-132 hours depending on the content area. Please note that some Education courses require teacher education candidates to work with grade 7-12 students in the public schools. A liability insurance fee may be assessed when candidates register for these courses. 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 plans of study presented here reflect comprehensive performance-based standards and assessment procedures in line with standards suggested by state and national accrediting bodies. The completion of these programs will enable candidates to apply for licensing in adolescent and young adult (middle and high school, 7-12). The knowledge, performance and disposition of all teacher education candidates will be systematically assessed throughout the programs.

Bachelor of Science Degree in Secondary/Middle-School Education – Mathematics Track

Beginning Fall 2009, students have the opportunity of seeking a Bachelor of Science degree in Secondary Education at PNC. The Mathematics Education Specialization offers courses of study leading to a B.S. Degree in Secondary Education and secondary/middle-school teacher certification. The bachelor's degree is also a stepping stone to master's and doctoral degrees.

Teaching is a noble and challenging profession. PNC’s secondary education program with concentration in mathematics teaching will prepare you for employment as a secondary/middle-school teacher. Interested students should be admitted to the Mathematics Track under the Secondary Education Major. For detailed information or questions concerning the Secondary Education Major, please contact the Chair of the Education Department (www.pnc.edu/ed) or consult the Education advisor. To become familiar with the required courses and obtain a study plan for this degree, visit www.pnc.edu/ed.

In addition, for content specific questions and advising, students must meet with their mathematics advisor (contact the College of Science Secretary in SWRZ 120, telephone 219-785-5298) or the Chair of the Mathematics, Statistics, and Physics Department (www.pnc.edu/mp).
# PLAN OF STUDY: MATHEMATICS

## Freshman Year

### First Semester

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<thead>
<tr>
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<tbody>
<tr>
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<td>3</td>
<td>Fundamentals of Speech Communication or Approaches to the Study of Interpersonal Communication</td>
</tr>
<tr>
<td>COM 21200</td>
<td>3</td>
<td>Modern Language I</td>
</tr>
<tr>
<td>ENGL 10100</td>
<td>3</td>
<td>English Composition I</td>
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<tr>
<td>MA 16700</td>
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<td>Plane Analytical Geometry &amp; Calculus I</td>
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14 Semester Credits

### Second Semester

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<tr>
<td>MA 16900</td>
<td>5</td>
<td>Plane Analytical Geometry and Calculus II</td>
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<tr>
<td>Elective</td>
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<tr>
<td>EDCI 10500</td>
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16 Semester Credits

## Sophomore Year

### First Semester

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<td>EDCI 20500</td>
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<td>Exploring Teaching as a Career</td>
</tr>
<tr>
<td>EDST 20000</td>
<td>3</td>
<td>History and Philosophy of Education</td>
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<tr>
<td>CS 20600</td>
<td>3</td>
<td>Computer Algebra and Programming</td>
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<td>MA 26100</td>
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<td>Multivariable Calculus</td>
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17-18 Semester Credits

### Second Semester

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<td>EDCI 28600</td>
<td>3</td>
<td>Multiculturalism in Secondary Classrooms</td>
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<td>EDCI 27200</td>
<td>3</td>
<td>Integrating Technology in the Classroom</td>
</tr>
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<td>MA 26200</td>
<td>4</td>
<td>Linear Algebra &amp; Differential Equations</td>
</tr>
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<td>MA 26100</td>
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<td>Elementary Linear Algebra</td>
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16 Semester Credits

## Junior Year

### First Semester

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<tr>
<td>Elective</td>
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<tr>
<td>EDPS 30600</td>
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<td>Adolescent and Young Adult Development</td>
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<td>Classroom Climate – Sec.</td>
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<td>MA 31500</td>
<td>3</td>
<td>Introduction to Abstract Mathematics</td>
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<td>3</td>
<td>Concepts in Geometry</td>
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15 Semester Credits
## Second Semester

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<td>MA 45300</td>
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## Senior Year

### First Semester

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<td>Elective</td>
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<td>MA 40100</td>
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<td>MA 34800</td>
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124-127 Total Credit Hours
Bachelor of Science Degree in Secondary/Middle-School Education – Physics Track

Beginning Fall 2009, students have the opportunity of seeking a Bachelor of Science degree in Secondary Education at PNC. The B.S. Secondary Education program in physics leads to a certificate for teaching physics at the secondary/middle-school level. The Physics Education Specialization offers courses of study leading to a B.S. Degree in Secondary Education and secondary school teacher certification. The bachelor’s degree is also a stepping stone to master’s and doctoral degrees.

Teaching physics is a challenging but vital profession. PNC’s secondary education program with concentration in physics teaching will prepare you for employment as a secondary/middle-school teacher. Interested students should be admitted to the Physics Track under the Secondary Education Major. For detailed information or questions concerning the Secondary Education Major, please contact the Chair of the Education Department (www.pnc.edu/ed) or consult the Education advisor. To become familiar with the required courses and obtain a study plan for this degree, visit www.pnc.edu/ed.

In addition, for content specific questions and advising, students must meet with their physics advisor (contact the College of Science Secretary in SWRZ 120, 219-785-5298) or the Chair of the Mathematics, Statistics, and Physics Department (www.pnc.edu/mp).

PLAN OF STUDY: PHYSICS

Freshman Year

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<td>3  COM 21200 Approaches to the Study of Interpersonal Communication</td>
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Second Semester

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Sophomore Year

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**Second Semester**

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<td>26200</td>
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<td>28600</td>
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<td>27200</td>
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17 Semester Credits

**Junior Year**

**First Semester**

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<td>30700</td>
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<tr>
<td>PHYS</td>
<td>25100</td>
<td>Heat, Electricity, and Optics or</td>
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<td>Electricity and Optics</td>
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<td>PHYS</td>
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16-17 Semester Credits

**Second Semester**

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<td>34200</td>
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<td>EDPS</td>
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<td>Exceptional Learners – Secondary</td>
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<td>30900</td>
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17 Semester Credits

**Senior Year**

**First Semester**

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<td>PHYS</td>
<td>36000</td>
<td>Quantum Mechanics</td>
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<td>EDCI</td>
<td>34600</td>
<td>Strategies of Science Instruction in Middle and High School</td>
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12 Semester Credits

**Second Semester**

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<tbody>
<tr>
<td>EDCI</td>
<td>49500</td>
<td>Student Teaching in Secondary School</td>
</tr>
</tbody>
</table>

16 Semester Credits

125-126 Total Credit Hours
Bachelor of Science Degree in Secondary/Middle-School Education – Physical Science Track

Beginning Fall 2009, students have the opportunity of seeking a Bachelor of Science degree in Secondary Education at PNC. The B.S. Secondary Education program in physical science leads to a certificate for teaching science at the middle/junior-high school level. The Physical Science Education Specialization offers courses of study leading to a B.S. Degree in Secondary Education and secondary/middle school teacher certification.

Teaching physical science to middle or junior high students is challenging and exciting. PNC's secondary education program with concentration in physical science teaching will prepare you for employment as a secondary/middle-school teacher. Interested students should be admitted to the Physical Science Track under the Secondary Education Major. For detailed information or questions concerning the Secondary Education Major, please contact the Chair of the Education Department (www.pnc.edu/ed) or consult the Education advisor. To become familiar with the required courses and obtain a study plan for this degree, visit www.pnc.edu/ed.

In addition, for content specific questions and advising, students must meet with their physical science advisor (contact the College of Science Secretary in SWRZ 120, 219-785-5298) or the Chair of the Mathematics, Statistics, and Physics Department (www.pnc.edu/mp).

PLAN OF STUDY: PHYSICAL SCIENCE

Freshman Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CHM 11500</td>
<td>4 CHM 11500 General Chemistry I</td>
</tr>
<tr>
<td>MA 16700</td>
<td>5 MA 16700 Plane Analytical Geometry and Calculus I</td>
</tr>
<tr>
<td>COM 11400</td>
<td>3 COM 11400 Fundamentals of Speech Communication or COM 21200 Approaches to the Study of Interpersonal Communication</td>
</tr>
<tr>
<td>ENGL 10100</td>
<td>3 ENGL 10100 English Composition I</td>
</tr>
<tr>
<td></td>
<td>15 Semester Credits</td>
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Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CHM 11600</td>
<td>4 CHM 11600 General Chemistry II</td>
</tr>
<tr>
<td>MA 16900</td>
<td>5 MA 16900 Plane Analytical Geometry and Calculus II</td>
</tr>
<tr>
<td>ENGL 10200</td>
<td>3 ENGL 10200 Composition II</td>
</tr>
<tr>
<td>Modern Language I</td>
<td>1 ENGL 10200 Composition II</td>
</tr>
<tr>
<td>EDCI 10500</td>
<td>1 EDCI 10500 Introduction to Teaching Seminar</td>
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<tr>
<td></td>
<td>16 Semester Credits</td>
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Sophomore Year

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDCI 20500</td>
<td>3 EDCI 20500 Exploring Teaching as a Career</td>
</tr>
<tr>
<td>EDST 20000</td>
<td>3 EDST 20000 History and Philosophy of Education</td>
</tr>
<tr>
<td>Elective</td>
<td>3 Elective</td>
</tr>
<tr>
<td>CHM 21100</td>
<td>4 CHM 21100 Introduction to Organic and Biochemistry</td>
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<td></td>
<td>16 Semester Credits</td>
</tr>
</tbody>
</table>
Second Semester

4  CHM 32100  Analytical Chemistry
3  Elective  Social Science Elective
3  EDCI 28600  Multiculturalism Sec. Classrooms
3  EDCI 27200  Integrating Technology in the Classroom
4  PHYS 15200  Mechanics

17  Semester Credits

Junior Year

First Semester

4-5  Phys 25100  Heat, Electricity, and Optics or
    PHYS 26100  Electricity and Optics
3  EDPS 30600  Adolescent and Young Adult Development
3  EDPS 30700  Classroom Climate –Secondary
3  Elective  Social Science Elective

13-14  Semester Credits

Second Semester

3  Elective  Science Elective
4  CHM 37200  Physical Chemistry
3  EDPS 30800  Exceptional Learners – Sec.
3  EDCI 30900  Reading in Middle and Secondary Schools
4  PHYS 34200/34200L  Modern Physics and Modern Physics Lab

17  Semester Credits

Senior Year

First Semester

3  Elective  Social Science Elective
3  CHM 48100  Environmental Chemistry
3  Elective  Science Elective
3  EDCI 34600  Strategies of Science Instruction in Middle and High School

12  Semester Credits

Second Semester

16  EDCI 49500  Student Teaching in the Secondary School

122-123  Total Credit Hours
# PLAN OF STUDY: CHEMISTRY

## Freshman Year

### First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
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<tbody>
<tr>
<td>CHEM</td>
<td>11500</td>
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<tr>
<td>MA</td>
<td>16700</td>
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<tr>
<td>COM</td>
<td>11400</td>
<td>3</td>
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<tr>
<td>COM</td>
<td>21200</td>
<td>3</td>
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<td>ENG</td>
<td>10100</td>
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18 Semester Credits

### Second Semester

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<th>Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHM</td>
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<td>16900</td>
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<td>EDCI</td>
<td>10500</td>
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16 Semester Credits

## Sophomore Year

### First Semester

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<tbody>
<tr>
<td>CHM</td>
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<tr>
<td>MA</td>
<td>26100</td>
</tr>
<tr>
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<tr>
<td>EDST</td>
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<tr>
<td>PHYS</td>
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18 Semester Credits

### Second Semester

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<th>Course</th>
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<tbody>
<tr>
<td>CHM</td>
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<tr>
<td>EDCI</td>
<td>28600</td>
</tr>
<tr>
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<tr>
<td>PHYS</td>
<td>25100</td>
</tr>
<tr>
<td>PHYS</td>
<td>26100</td>
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17-18 Semester Credits

## Junior Year

### First Semester

<table>
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<tr>
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<th>Code</th>
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</thead>
<tbody>
<tr>
<td>CHM</td>
<td>32100</td>
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<tr>
<td>EDPS</td>
<td>30600</td>
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<tr>
<td>EDPS</td>
<td>30700</td>
</tr>
<tr>
<td>CHM</td>
<td>333</td>
</tr>
<tr>
<td>ELECTIVE</td>
<td></td>
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16 Semester Credits
## Second Semester

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>CHM 37200</td>
<td>Physical Chemistry</td>
</tr>
<tr>
<td>3</td>
<td>EDPS 30800</td>
<td>Exceptional Learners – Secondary</td>
</tr>
<tr>
<td>3</td>
<td>EDCI 30900</td>
<td>Reading in Middle and Secondary Schools</td>
</tr>
<tr>
<td>3-4</td>
<td>Elective</td>
<td>Science Elective</td>
</tr>
<tr>
<td>13-14</td>
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</table>

## Senior Year

### First Semester

<table>
<thead>
<tr>
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<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>3-4</td>
<td>Elective</td>
<td>Science Elective</td>
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<tr>
<td>3</td>
<td>Elective</td>
<td>Social Science Elective</td>
</tr>
<tr>
<td>3</td>
<td>EDCI 34600</td>
<td>Strategies for Science Instruction in Middle and High School</td>
</tr>
<tr>
<td>3</td>
<td>CHM 37300 or 48100</td>
<td>Chemistry Elective</td>
</tr>
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<td>12-13</td>
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<td>Semester Credits</td>
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### Second Semester

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>16</td>
<td>EDCI 49500</td>
<td>Student Teaching</td>
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<td>126-129 Total Credit Hours</td>
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</table>

## PLAN OF STUDY: LIFE SCIENCE

### Freshman Year

### First Semester

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>COM 11400</td>
<td>Fundamentals of Speech Communication or</td>
</tr>
<tr>
<td></td>
<td>COM 21200</td>
<td>Approaches to the Study of Interpersonal Communication</td>
</tr>
<tr>
<td>3</td>
<td>ENGL 10100</td>
<td>Composition I</td>
</tr>
<tr>
<td>2</td>
<td>BIOL 12100</td>
<td>Biology I</td>
</tr>
<tr>
<td>1</td>
<td>BIOL 11600</td>
<td>Laboratory in Biology I</td>
</tr>
<tr>
<td>4</td>
<td>CHEM 11500</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16 Semester Credits</td>
</tr>
</tbody>
</table>

### Second Semester

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>ENGL 10200</td>
<td>Composition II</td>
</tr>
<tr>
<td>3</td>
<td>BIOL 13100</td>
<td>Biology II</td>
</tr>
<tr>
<td>1</td>
<td>BIOL 11800</td>
<td>Laboratory in Biology II</td>
</tr>
<tr>
<td>4</td>
<td>CHM 11600</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>1</td>
<td>EDCI 10500</td>
<td>Introduction to Teaching Seminar</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 Semester Credits</td>
</tr>
</tbody>
</table>
### Sophomore Year

#### First Semester

3-5 MA 16700 Plane Analytical Geometry and Calculus I or Introductory Analysis I
3 MA 22300
3 EDCI 20500 Exploring Teaching as a Career
3 EDST 20000 History and Philosophy of Education
3 BIOL 23100 Biology III
2 BIOL 23200 Laboratory in Biology III

14-16 Semester Credits

#### Second Semester

3-5 MA 16900 Plane Analytical Geometry and Calculus II or Introductory Analysis II
3 MA 22400
3 EDCI 28600 Multiculturalism in Sec. Classrooms
3 EDCI 27200 Integrating Technology in the Classroom
3 BIOL 24100 Biology IV
2 BIOL 24200 Laboratory in Biology IV

14-16 Semester Credits

### Junior Year

#### First Semester

3 BIOL 41500 Molecular & Cellular Elective or CHEM 33300 Molecular & Cellular Elective
4 CHEM 21100 Introduction to Organic and Biochemistry
3 EDPS 30600 Adolescent and Young Adult Development
3 EDPS 30700 Classroom Climate Sec.
3 Elective Social Science Elective

16 Semester Credits

#### Second Semester

4 PHYS 15200 Mechanics
3 EDPS 30800 Exceptional Learners –Sec
3 EDCI 30900 Reading in Middle and Secondary Schools
3-5 Elective Science Elective (Structure and Function)
3 Elective Science Elective (Evolution)

16-18 Semester Credits

### Senior Year

#### First Semester

3 Elective Science Elective (Ecology & Environment)
3 EDCI 34600 Strategies for Science Instruction in Middle and High School
3 Elective Social Science Elective
3 Elective Social Science Elective

12 Semester Credits

#### Second Semester

16 EDCI 49500 Student Teaching

**119-125 Total Credit Hours**
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 53000 Advanced Educational Psychology
   - EDPS 53500 Personal-Social Dynamic in the Classroom
   - PSY 50200 Survey of Human Development

B. Diversity
   - EDCI 58500 Multi-Cultural Education

C. Research
   - EDPS 53300 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 58000 Foundations of Curriculum
- EDCI 60800 Individualizing Instruction in the Elementary and Secondary Schools

Methods (12 Hours)

A. Literacy and Language (3 hrs.)
   - EDCI 50000 Foundations of Literacy

B. Science (3 hrs.)
   - EDCI 50600 Environmental Education
   - EDCI 60500 Teaching Science in the Elementary School
   - EDCI 60900 Earth Science Teaching
C. Social Studies (3hrs.)
   EDCI 60400  Teaching Social Studies in the Elementary School
D. Math (3 hrs.)
   EDCI 51100  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. Please note that some Education courses require teacher education candidates to work with K-6 students in the public schools. A liability insurance fee may be assessed when candidates register for these courses. 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

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HIST 15100 American History to 1877 or</td>
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</tr>
<tr>
<td>HIST 15200 United States since 1877 or</td>
<td>3</td>
</tr>
<tr>
<td>HIST 10400 Introduction to the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>MA 13700 Mathematics for Elementary Teachers I</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 20500 Biology for Elementary School Teachers</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 10100 English Composition I</td>
<td>3</td>
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<tr>
<td>Foreign Language+</td>
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<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
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</tbody>
</table>

* 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

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIST 15100 American History to 1877 or</td>
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<tr>
<td>HIST 15200 United States History since 1877 or</td>
<td>3</td>
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<tr>
<td>HIST 10400 Introduction to the Modern World</td>
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<tr>
<td>MA 13900 Mathematics for Elementary Teachers III</td>
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<td>BIOL 20600 Biology for Elementary School Teachers</td>
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<td>ENGL 10200 English Composition II</td>
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<tr>
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Sophomore Year

First Semester

*Block 1 Courses*

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>EDCI 20500</td>
<td>3</td>
<td>Exploring Teaching as a Career</td>
</tr>
<tr>
<td>EDCI 28500</td>
<td>3</td>
<td>Multiculturalism and Education Theory into Practice I</td>
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*Other Courses*

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<tbody>
<tr>
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<td>3</td>
<td>Mathematics for Elementary Teachers II</td>
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<td>CHM 29000</td>
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<td>Chemistry for Elementary Education</td>
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<td>EDCI 27000</td>
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<td>Introduction to Educational Technology</td>
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<td>Classroom Applications of Ed. Tech.</td>
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<td>EDST 20000</td>
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17 Semester Credits

Second Semester

*Block II Courses*

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<tr>
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*Other Courses*

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<td>EDCI 31100</td>
<td>3</td>
<td>Media for Children</td>
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<td>PHYS 21300</td>
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<td>Physics for Elementary School Teachers</td>
</tr>
<tr>
<td>EAS 13000</td>
<td>3</td>
<td>Earth Science for Elementary Education</td>
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14 Semester Credits

Junior Year

First Semester

*Block III*

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<tbody>
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<td>EDCI 36200</td>
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<td>Literacy in the Elementary School I Theory into Practice III</td>
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*Other Courses*

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<td>ENGL 22700</td>
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<td>Elements of Linguistics</td>
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18 Semester Credits

Second Semester

*Block IV Courses*

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<td>EDCI 36300</td>
<td>3</td>
<td>Literacy in the Elementary School II</td>
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<td>EDCI 36400</td>
<td>3</td>
<td>Mathematics in the Elementary School</td>
</tr>
<tr>
<td>EDCI 36500</td>
<td>3</td>
<td>Science in the Elementary School Theory into Practice IV</td>
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*Other Courses*

<table>
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<th>CR</th>
<th>Title</th>
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<tbody>
<tr>
<td>A&amp;D 20100</td>
<td>3</td>
<td>Art for Elementary School Teachers</td>
</tr>
<tr>
<td>EAS 39100</td>
<td>2</td>
<td>Environmental Science for Elementary Education</td>
</tr>
<tr>
<td>HK 32200</td>
<td>2</td>
<td>Physical Education in the Elementary School</td>
</tr>
</tbody>
</table>

16 Semester Credits
Senior Year

First Semester

*Block V Courses*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EDPS 43000</td>
<td>3</td>
<td>Creating and Managing Learning Environments</td>
</tr>
<tr>
<td>EDCI 46600</td>
<td>2</td>
<td>Integrated Curriculum in the Elementary School Theory into Practice V</td>
</tr>
</tbody>
</table>

*Other Courses*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 32400</td>
<td>3</td>
<td>Teaching Music in the Elementary School</td>
</tr>
<tr>
<td>H&amp;S 32000</td>
<td>3</td>
<td>Health Education in the Elementary School</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>Elective</td>
</tr>
</tbody>
</table>

17 Semester Credits

Second Semester

*Block VI Courses*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 49600</td>
<td>16</td>
<td>Student Teaching Theory into Practice VI</td>
</tr>
</tbody>
</table>

16 Semester Credits

Total minimum credits required for baccalaureate degree: 128

GENERAL PLAN OF STUDY: READING LICENSE ADDITION

Completion of the program for Elementary Education

*Additional Course Work*

<table>
<thead>
<tr>
<th>Course</th>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>EDCI 40800</td>
<td>3</td>
<td>Advanced Literacy Instruction</td>
</tr>
<tr>
<td>EDCI 40900</td>
<td>1</td>
<td>Student Teaching Seminar in Literacy</td>
</tr>
</tbody>
</table>

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 23500 Child Psychology or CDFS 21100.

*Additional Course Work*

- Completion of the following 18 credit hours:
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPS 23600</td>
<td>3</td>
<td>Developmental Theory and Practice in Early Childhood Education</td>
</tr>
<tr>
<td>EDCI 31000</td>
<td>3</td>
<td>Literacy and the Young Child</td>
</tr>
<tr>
<td>EDCI 37100</td>
<td>3</td>
<td>Integrated Curriculum in Early Childhood: Creative and Affective Domains</td>
</tr>
<tr>
<td>EDCI 37200</td>
<td>3</td>
<td>Integrated Curriculum in Early Childhood: Cognitive Domains</td>
</tr>
<tr>
<td>EDCI 47000</td>
<td>6</td>
<td>Practicum and Seminar in Early Childhood Programs</td>
</tr>
</tbody>
</table>

- Letter of intent for application for the Generalist: Early Childhood license addition must be submitted to the Education Department prior to enrolling in EDCI 37100 and/or EDCI 37200.
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. Please note that some Education courses require teacher education candidates to work with P-3 students in the public schools. A liability insurance fee may be assessed when candidates register for these courses. 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

<table>
<thead>
<tr>
<th>First Semester</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>HIST 15100</td>
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<tr>
<td>3</td>
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<td>3</td>
<td>MA 13700</td>
</tr>
<tr>
<td>3</td>
<td>BIOL 20500</td>
</tr>
<tr>
<td>3</td>
<td>ENGL 10100</td>
</tr>
<tr>
<td>3</td>
<td>EDST 27000</td>
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<tr>
<td><strong>15</strong></td>
<td><strong>Semester Credits</strong></td>
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Second Semester

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>EDCI 27600</td>
</tr>
<tr>
<td>3</td>
<td>PSY 23500</td>
</tr>
<tr>
<td>3</td>
<td>CDFS 21100</td>
</tr>
<tr>
<td>3</td>
<td>ENGL 10200</td>
</tr>
<tr>
<td>3</td>
<td>HIST 15100</td>
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<tr>
<td>3</td>
<td>HIST 15200</td>
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</tr>
<tr>
<td>3</td>
<td>MA 13900</td>
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<td><strong>15</strong></td>
<td><strong>Semester Credits</strong></td>
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Sophomore Year – Strand 2: Child Study/Child Development

<table>
<thead>
<tr>
<th>First Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Corequisites</strong></td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>3</td>
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Purdue University North Central 2009-2010
### Other Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ED CI 27000</td>
<td>Introduction to Educational Technology</td>
<td>2</td>
</tr>
<tr>
<td>MA 13800</td>
<td>Mathematics for Elementary Teachers II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 29000</td>
<td>Chemistry for Elementary Education</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Credits</strong></td>
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</tr>
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</table>

### Second Semester

#### Corequisites

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ED PS 27600</td>
<td>Young Children with Exceptional Needs</td>
<td>3</td>
</tr>
<tr>
<td>ED PS 27500</td>
<td>Observation, Assessment &amp; Documentation</td>
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#### Other Courses

<table>
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<th>Code</th>
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<tbody>
<tr>
<td>ED CI 31100</td>
<td>Media for Children</td>
<td>3</td>
</tr>
<tr>
<td>EAS 13000</td>
<td>Earth Science for Elementary Education</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 22700</td>
<td>Elements of Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 21300</td>
<td>Physics for Elementary Education</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Credits</strong></td>
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### Junior Year – Strand 3: Early Childhood Care & Education

#### First Semester

**Literacy Block**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>ED CI 32200</td>
<td>Teaching English Language Learners</td>
<td>3</td>
</tr>
<tr>
<td>ED CI 31000</td>
<td>Literacy and the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>ED CI 36200</td>
<td>Literacy in the Elementary School I</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Integrated Curriculum in Early Childhood (ICEC)</td>
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</table>

#### Other Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>English Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Credits</strong></td>
<td></td>
</tr>
</tbody>
</table>

#### Second Semester

**Preprimary Block**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ED CI 37100</td>
<td>ICEC: Creative &amp; Affective Domains</td>
<td>3</td>
</tr>
<tr>
<td>ED CI 37200</td>
<td>ICEC: Cognitive Domain</td>
<td>3</td>
</tr>
<tr>
<td>ED CI 37500</td>
<td>Music and Movement for the Young Child</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Other Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EAS 39100</td>
<td>Environmental Science for Elementary Education</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Credits</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>
**Senior Year – Strand 4: Becoming and Early Childhood Professional**

**First Semester**

*Primary Block*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 47000</td>
<td>6</td>
<td>Practicum &amp; Seminar in Early Childhood Education</td>
</tr>
<tr>
<td>EDCI 37300</td>
<td>3</td>
<td>Expressive Arts/Social Studies in Kindergarten and the Primary Grades</td>
</tr>
<tr>
<td>EDCI 37400</td>
<td>3</td>
<td>Science &amp; Math in Kindergarten and the Primary Grades</td>
</tr>
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</table>

*Other Courses*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

15 Semester Credits

**Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 49600</td>
<td>16</td>
<td>Student Teaching and Theory into Practice Seminar</td>
</tr>
</tbody>
</table>

16 Semester Credits

*Total minimum credits required for baccalaureate degree: 127*
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 a 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 10700 Introduction to Circuit Analysis
3 ECET 10900 Digital Fundamentals
2 ECET 19600 Introduction to ECET Projects
3 ENGL 10100 English Composition I
3 MA 15300 Algebra and Trigonometry I
15 Semester Credits

Second Semester
4 ECET 15700 Electronics Circuit Analysis
4 ECET 15900 Digital Applications
3 COM 11400 Fundamentals of Speech Communication
3 MA 15400 Algebra and Trigonometry II
3 Computer Programming Elective
17 Semester Credits

Summer—Sophomore
4 ECET 23100 Electrical Power and Controls
4 Semester Credits

Sophomore Year

Third Semester
4 ECET 20700 AC Electronics Circuit Analysis
4 ECET 20900 Introduction of Microcontrollers
3 CGT 11000 Technical Graphics Communications
3 MA 22300 Introductory Analysis I
3 Humanities/Social Science Elective
17 Semester Credits

Fourth Semester
4 ECET 25700 Consumer Power Electronics
4 ECET/CPET Elective
3 MA 22400 Introductory Analysis II
4 PHYS 22000 General Physics I
15 Semester Credits

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 30000-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 Electives.

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 19600 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 30100 may be taken in place of MA 22400 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 broad plan of study for students who wish to pursue a bachelor's degree in technology at Purdue North Central.

This interdisciplinary degree serves associate degree graduates from the Electrical and Computer Engineering Technology (ECET) programs on the Purdue North Central campus. It also serves transfer students who have earned an associate degree in related technical programs and students interested in Industrial Engineering Technology. This interdisciplinary program is designed to prepare a broadly educated generalist in technology. Students can enhance their respective associate degree programs with further technical electives. In addition to a multifaceted technical education, graduates will have a solid general education background in the humanities, social and behavioral science, 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: 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's 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, telecommunications, 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 of 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.

**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>
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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>
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<tr>
<td>Technical Elective</td>
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**Sixth Semester**

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</tr>
<tr>
<td>ECET/CPET Elective</td>
<td>4</td>
</tr>
<tr>
<td>C/E/H/SS Elective</td>
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<tr>
<td>Technical Elective</td>
<td>3</td>
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<tr>
<td><strong>Total Semester Credits</strong></td>
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</table>

**Senior Year**

**Seventh Semester**

<table>
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<tbody>
<tr>
<td>ECET 49900</td>
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<tr>
<td>Senior Project Phase I</td>
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<tr>
<td>C/E/H/SS Elective</td>
<td>3</td>
</tr>
<tr>
<td>Math/Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Technical Elective</td>
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Eighth Semester

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<td>4</td>
<td>ECET 49900</td>
<td>Senior Project Phase II</td>
</tr>
<tr>
<td>3</td>
<td>C/E/H/SS</td>
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<td>Elective</td>
</tr>
<tr>
<td>3</td>
<td>Math/Science</td>
<td>Elective</td>
</tr>
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</table>

15 Semester Credits

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

At least 15 credits (5 courses) are required. At least one course (3 cr.) must be English (above ENGL 10100) or Communications (above COM 11400). 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 30000-level or above ECET or CPET course may be used. Also, several three-course sequences of CNIT 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 Senior Project Phase I and Senior Project Phase II.

**Math/Science 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, CNIT, 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 19600 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 Math/Science 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 Year

First Semester

<table>
<thead>
<tr>
<th>Credits</th>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>3</td>
<td>IET 10400</td>
<td>Industrial Organization</td>
</tr>
<tr>
<td>3</td>
<td>CGT 11000</td>
<td>Technical Graphics Communications</td>
</tr>
<tr>
<td>3</td>
<td>COM 11400</td>
<td>Fundamentals of Speech Communication</td>
</tr>
<tr>
<td>3</td>
<td>ENGL 10100</td>
<td>English Composition I</td>
</tr>
<tr>
<td>3</td>
<td>MA 15300</td>
<td>Algebra and Trigonometry I</td>
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Second Semester

<table>
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<td>3</td>
<td>IET 25000</td>
<td>Fundamentals of Production Cost Analysis</td>
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<td>3</td>
<td>ENGL 10200</td>
<td>English Composition II</td>
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<tr>
<td>3</td>
<td>ECON 21000</td>
<td>Principles of Economics</td>
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<td>3</td>
<td>MA 15400</td>
<td>Algebra and Trigonometry II</td>
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<tr>
<td>3</td>
<td>IET 26800</td>
<td>Facilities Planning</td>
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Sophomore Year

Third Semester

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<tr>
<td>3</td>
<td>IET 26200</td>
<td>Motion Study and Work Methods</td>
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<td>3</td>
<td>IET 22400</td>
<td>Production Planning &amp; Control</td>
</tr>
<tr>
<td>3</td>
<td>CGT 29000</td>
<td>Computer-Aided Drafting and Design</td>
</tr>
<tr>
<td>3</td>
<td>STAT 30100</td>
<td>Elementary Statistical Methods</td>
</tr>
<tr>
<td>3</td>
<td>MA 22300</td>
<td>Introductory Analysis I</td>
</tr>
<tr>
<td>2</td>
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<td>Technical Elective</td>
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Purdue University North Central 2009-2010
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<th>Semester</th>
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<tbody>
<tr>
<td>Fourth Semester</td>
<td>3 IET 20400</td>
<td>Techniques of Maintaining Quality</td>
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<td>3 IET 26600</td>
<td>Work Measurement &amp; Incentives</td>
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<tr>
<td></td>
<td>2 IET 29600</td>
<td>Industrial Technology Case Problems</td>
</tr>
<tr>
<td></td>
<td>3 MET 14100</td>
<td>Materials I</td>
</tr>
<tr>
<td></td>
<td>3 OLS 25200</td>
<td>Human Relations in Organizations</td>
</tr>
<tr>
<td></td>
<td>4 PHYS 22000</td>
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<td>Junior Year</td>
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<td>3 MGMT 20000</td>
<td>Introductory Accounting</td>
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<td>3 OLS 27400</td>
<td>Applied Leadership</td>
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<td></td>
<td>3 MA 22400</td>
<td>Introductory Analysis II</td>
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<td></td>
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<td>13</td>
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<tr>
<td>Sixth Semester</td>
<td>3 ECET 10900</td>
<td>Digital Fundamentals or</td>
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<td></td>
<td>ECET 21300</td>
<td>Survey of Electricity &amp; Electronics</td>
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<tr>
<td></td>
<td>3 COM 31500</td>
<td>Speech Communication of Technical Information or</td>
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<tr>
<td></td>
<td>COM 41500</td>
<td>Discussion of Technical Problems</td>
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<tr>
<td></td>
<td>3 ENGL 42000</td>
<td>Business Writing</td>
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<tr>
<td></td>
<td>3 OLS 37600</td>
<td>Human Resource Issues</td>
</tr>
<tr>
<td></td>
<td>3 CNIT 12700</td>
<td>Microcomputer Spreadsheet Applications or</td>
</tr>
<tr>
<td></td>
<td>CNIT 12800</td>
<td>Advanced Word Processing</td>
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<tr>
<td></td>
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<td>Senior Year</td>
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<tr>
<td>Seventh Semester</td>
<td>3 IET 30100</td>
<td>Cost Evaluation &amp; Control</td>
</tr>
<tr>
<td></td>
<td>3 IET 36400</td>
<td>Total Quality Management</td>
</tr>
<tr>
<td></td>
<td>3 OLS 37800</td>
<td>Labor/Management Relations</td>
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<tr>
<td></td>
<td>3 PSY 12000</td>
<td>Elementary Psychology</td>
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<tr>
<td></td>
<td>3 SOC 10000</td>
<td>Introductory Sociology</td>
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<td>Eighth Semester</td>
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<td></td>
<td>3 MFET 24300</td>
<td>Automated Manufacturing I</td>
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<tr>
<td></td>
<td>3 OLS 33100</td>
<td>Occupational Safety and Health</td>
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<tr>
<td></td>
<td>3 PSY 37200</td>
<td>Industrial Psychology</td>
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<tr>
<td></td>
<td>3</td>
<td>C/E/H/SS Elective</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>Semester Credits</td>
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</table>
C/E/H/SS Elective
Courses may be from English (above ENGL 10200) or from Communications (above COM 11400) 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 ITCC or other accredited 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 science, and the life and physical sciences.

GENERAL PLAN OF STUDY: INTERDISCIPLINARY INDUSTRIAL TECHNOLOGY

Junior Year
Fifth Semester
<table>
<thead>
<tr>
<th>Course</th>
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<th>Title</th>
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<tbody>
<tr>
<td>IET 10400</td>
<td>3</td>
<td>Industrial Organization</td>
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<tr>
<td>STAT 30100</td>
<td>3/4</td>
<td>Technical Elective</td>
</tr>
<tr>
<td>MA 22300</td>
<td>3</td>
<td>Introductory Analysis I</td>
</tr>
<tr>
<td>PHYS 22100</td>
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<td>General Physics II</td>
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Sixth Semester
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MET 45100</td>
<td>3</td>
<td>Manufacturing Quality Control</td>
</tr>
<tr>
<td>OLS Selective</td>
<td>3</td>
<td>Technical Elective</td>
</tr>
<tr>
<td>ENGL 10200</td>
<td>3</td>
<td>English Composition II</td>
</tr>
<tr>
<td>MA 22400</td>
<td>3</td>
<td>Introductory Analysis II</td>
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Senior Year
Seventh Semester
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>IET 30100</td>
<td>3</td>
<td>Cost Evaluation &amp; Control</td>
</tr>
<tr>
<td>IET 36400</td>
<td>3/4</td>
<td>Total Quality Management</td>
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<td>C/E/H/SS Elective</td>
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15/16 Semester Credits
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</thead>
<tbody>
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<td>IET 45100</td>
<td>Monetary Analysis for Industrial Decisions</td>
</tr>
<tr>
<td>3</td>
<td>Technical Elective</td>
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<tr>
<td>6</td>
<td>OLS Selective</td>
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<tr>
<td>15/16</td>
<td>C/E/H/SS Elective</td>
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</tbody>
</table>

**Technical Elective**

At least 12 credit hours are required. Any 30000-level or above course from BCM, CNIT, CPT, ECET, IET or MET fulfills this requirement. MFET 24300 may also be used. 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 10100) or from Communications (above COM 11400), 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 33100 or OLS 37800.

*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 Arts Degree in 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 10100, 10200 and ENGL 22700 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 20100 The Nature of Literary Study
3 ENGL 24000 Survey of British Literature: From the Beginnings Through the Neoclassical Period or
3 ENGL 24100 Survey of British Literature: From the Rise of Romanticism to the Modern Period
3 ENGL 35000 Survey of American Literature: From Its Beginnings to 1865 or
3 ENGL 35100 Survey of American Literature: From 1865 to the Post World War II Period

Major Authors (3 credits)
3 ENGL 44100 Chaucer's Canterbury Tales
3 ENGL 44200 Shakespeare
3 ENGL 44400 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 20000 level or above.

Capstone Course (3 credits)
3 ENGL 49500 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.
Bachelor of Science Degree in Human Resources

The Bachelor of Science degree in Human Resources was designed in collaboration with area human resource executives, and is continually updated to meet the changing needs of today's workplace. The BS program in Human Resources will enable students to develop the technical, conceptual and human relations skills necessary to enter careers in human resources, management, or training and development. Students will develop skill and proficiency in all areas of human resources such as employee recruitment and selection, performance management, training and career development, occupational health and safety, compensation and benefits, employee and labor relations, legal issues, and information systems. Students will also become aware of and develop an appreciation for the issues surrounding increased globalization. The program is designed to meet the recommendations outlined by the Society of Human Resource Management (SHRM) and graduates will be eligible to sit for the PHR certification exam.

Required Courses – 126 credits

Human Resource Core (30 credits)

OLS 25200 Human Relations in Organizations
OLS 33100 Occupational Safety and Health
OLS 37200 Staffing and Performance Appraisal
OLS 37500 Training Methods
OLS 37600 Human Resources Issues
OLS 37800 Labor Relations
OLS 37900 Compensation and Benefits
OLS 47100 Human Resources Information Systems
OLS 49400 Organizational Policy and Strategy (capstone)
OLS Elective

Legal/Ethical (6 credits)

OLS 44100 Leading Ethically
OLS 36800 Employment Law or
GBG 26000 Business Law

Technical Support Representative (24 credits)

IET 10400 Industrial Organization
IET 35200 Operations Management
IET 36400 Total Quality Control or
OLS 48400 Leadership for Quality
GBG 12700 Introduction to Business
MGMT 20000 Introductory Accounting
ECON 25100 Microeconomics
C&IT Electives (6 credits)
Skills Development (30 credits)
ENGL 10100 English Composition I
ENGL 10200 English Composition II
ENGL 42000 Business Writing
COM 11400 Fundamentals of Speech Communication
COM Elective (any 30000- or 40000-level elective)
OLS 47700 Conflict Management
Foreign Language Elective
Foreign Language Elective
MA 15300 Algebra and Trigonometry I
STAT 30100 Elementary Statistical Methods

General Education Requirements (21 credits)
Science (6 credits)
SOC 10000 Introduction to Sociology
PSY 12000 Elementary Psychology
Additional Electives - 9 credits

Minor or Area of concentration (15 credits)
Students are expected to maintain a GPA of 2.0 to be eligible for this degree.
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)**

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<tr>
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<th>Credits</th>
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<tr>
<td>ENGL 10100</td>
<td>3</td>
<td>English Composition I</td>
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<tr>
<td>OLS 25200</td>
<td>3</td>
<td>Human Relations in Organizations</td>
</tr>
<tr>
<td>OLS 27400</td>
<td>3</td>
<td>Applied Leadership</td>
</tr>
<tr>
<td>COM 11400</td>
<td>3</td>
<td>Fundamentals of Speech Communication</td>
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**Required Technical Courses (15 credits)**

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<td>3</td>
<td>Staffing and Performance Appraisal</td>
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<tr>
<td>OLS 37800</td>
<td>3</td>
<td>Labor/Management Relations</td>
</tr>
<tr>
<td>OLS 37600</td>
<td>3</td>
<td>Human Resource Issues</td>
</tr>
<tr>
<td>ENGL 10200</td>
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</tr>
<tr>
<td>OLS xxxxx</td>
<td>3</td>
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</table>

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.
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)

6 English Composition
3 Speech Communication
6 Mathematics/Statistics
6 Natural Science
9 Western Heritage/Social Ethics/ Individual & Society
3 United States Tradition
3 Other Cultures/Global Awareness
3 Aesthetic Awareness
3 Race/Ethnic Diversity
3 Gender Issues

Other Requirements (81 credits)

Concept Development
12 credits may be in either Modern Languages (French, German, Spanish or ASL at the fourth level) 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 30000 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 11100 is accepted for credit in the College of Liberal Arts.
- English 10000 is accepted for credit in the College of Liberal Arts.
- GNC 10000 is accepted for credit in the College 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 lifelong 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 bridge 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

First Semester

<table>
<thead>
<tr>
<th>Credit</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>ENGR 17100</td>
<td>Engineering Fundamentals I</td>
</tr>
<tr>
<td>4</td>
<td>CHM 11500</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>3</td>
<td>ENGL 10100</td>
<td>English Composition I</td>
</tr>
<tr>
<td>5</td>
<td>MA 16700</td>
<td>Plane Analytic Geometry &amp; Calculus I</td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>Semester Credits</td>
</tr>
</tbody>
</table>

Second Semester

<table>
<thead>
<tr>
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<th>Course</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>5</td>
<td>ENGR 18100</td>
<td>Engineering Fundamentals II</td>
</tr>
<tr>
<td>4</td>
<td>CHM 11600</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>5</td>
<td>MA 16900</td>
<td>Plane Analytic Geometry &amp; Calculus II</td>
</tr>
<tr>
<td>4</td>
<td>PHYS 15200</td>
<td>Mechanics</td>
</tr>
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<td></td>
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Sophomore Year

Third Semester

<table>
<thead>
<tr>
<th>Credit</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>M E 27000</td>
<td>Basic Mechanics I or</td>
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<td>C E 27100</td>
<td>Basic Mechanics I</td>
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<td>ECE 20100</td>
<td>Linear Circuit Analysis I</td>
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<td>Electronic Measurement Technique</td>
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<td>4</td>
<td>MA 26100</td>
<td>Multivariate Calculus</td>
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<td>PHYS 26100</td>
<td>Electricity and Optics</td>
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<td></td>
<td>Humanities/Social Science Elective</td>
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<tr>
<td></td>
<td>18</td>
<td>Semester Credits</td>
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</table>

Fourth Semester

<table>
<thead>
<tr>
<th>Credit</th>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>M E 20000</td>
<td>Thermodynamics I</td>
</tr>
<tr>
<td>3</td>
<td>M E 27400</td>
<td>Basic Mechanics II</td>
</tr>
<tr>
<td>3</td>
<td>ECE 20200</td>
<td>Linear Circuit Analysis II</td>
</tr>
<tr>
<td>4</td>
<td>MA 26200</td>
<td>Linear Algebra &amp; Differential Equations</td>
</tr>
<tr>
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<td></td>
<td>Humanities/Social Science Elective</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Semester Credits</td>
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Junior Year

Fifth Semester

<table>
<thead>
<tr>
<th>Credit</th>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>3</td>
<td>M E 30201</td>
<td>Thermodynamics II</td>
</tr>
<tr>
<td>3</td>
<td>M E 32401</td>
<td>Mechanics of Materials or</td>
</tr>
<tr>
<td></td>
<td>C E 32401</td>
<td>Mechanics of Materials</td>
</tr>
<tr>
<td>3</td>
<td>ENGR 45000</td>
<td>Engineering Analysis</td>
</tr>
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<td>Elective for Minor</td>
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<td>Humanities/Social Science Elective</td>
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Purdue University North Central 2009-2010
### Sixth Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>M E 31001</td>
<td>4</td>
<td>Fluid Mechanics</td>
</tr>
<tr>
<td>M E 35300</td>
<td>4</td>
<td>Machine Design I</td>
</tr>
<tr>
<td>M E 37600</td>
<td>3</td>
<td>System Modeling and Analysis</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Elective for Minor</td>
</tr>
<tr>
<td></td>
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<td>Humanities/Social Science Elective</td>
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<tr>
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<td><strong>Total Semester Credits:</strong> 17</td>
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### Senior Year

#### Seventh Semester

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<tr>
<th>Course Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>M E 36600</td>
<td>3</td>
<td>Systems and Measurements</td>
</tr>
<tr>
<td>ENGR 45100</td>
<td>3</td>
<td>Engineering Analysis II</td>
</tr>
<tr>
<td>M E 31601</td>
<td>4</td>
<td>Heat and Mass Transfer</td>
</tr>
<tr>
<td>M E 33001</td>
<td>3</td>
<td>Structure and Properties of Materials or</td>
</tr>
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<td>C E 33001</td>
<td>3</td>
<td>Structure and Properties of Materials</td>
</tr>
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<td>Humanities/Social Science Elective</td>
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#### Eighth Semester

<table>
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<tr>
<th>Course Code</th>
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<th>Course Name</th>
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<tbody>
<tr>
<td>M E 45101</td>
<td>3</td>
<td>Machine Design II</td>
</tr>
<tr>
<td>ENGR 46100</td>
<td>3</td>
<td>Engineering Design Experience</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Engineering Elective</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Humanities/Social Science Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Total Semester Credits:</strong> 12</td>
</tr>
</tbody>
</table>

Total credits required for baccalaureate degree: 129

### MINORS IN ENGINEERING

- Civil Engineering
- Electrical Engineering
Bachelor of Science Degree in Mechanical Engineering Technology

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

Mechanical engineering 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 program objectives for this degree include:

1. To prepare graduates with knowledge, problem solving skills, and hands-on skills to enter careers in analysis, applied design, development, implementation, manufacturing, testing, technical sales, evaluation, or oversight of mechanical systems and processes.

2. To develop a knowledge of contemporary professional, societal, and global issues with an understanding of professional and ethical responsibilities.

3. To prepare graduates for advanced educational opportunities.

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 ENGINEERING TECHNOLOGY

Junior Year

Fifth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNIT 17500</td>
<td>Visual Programming</td>
</tr>
<tr>
<td>ECON 21000</td>
<td>Principles of Economics</td>
</tr>
<tr>
<td>MA 22400</td>
<td>Introductory Analysis II</td>
</tr>
<tr>
<td>CHM 11100</td>
<td>General Chemistry</td>
</tr>
</tbody>
</table>

15 Semester Credits
Sixth Semester

3 MET 32000 Applied Thermodynamics
3 ENGL 10200 English Composition II
3 STAT 30100 Elementary Statistical Methods
3 MET 38200 Controls and Instrumentation for Automation
3 Mechanical Engineering Technology Elective

15 Semester Credits

Senior Year

Seventh Semester

3 MET 34400 Materials II
2 MET 49900 Mechanical Design I
3 Communication Selective
3 Humanities or Social Science Elective
3 Mechanical Engineering Technology Elective
3 Basic Science or Interdisciplinary Elective

17 Semester Credits

Eighth Semester

3 MET 31300 Applied Fluid Mechanics
1 MET 49900 Mechanical Design II
3 IET 45100 Monetary Analysis for Industrial Decisions
3 ENGL 42100 Technical Writing
3 Organizational Leadership and Supervision or Management Elective

13 Semester Credits

Electives

Basic Science or Interdisciplinary
30000 or 40000 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
30000/40000 level MET courses which are not required.

Communications Selective
COM 31500, COM 32000 or COM 41500
Total credits required for baccalaureate degree: 128
Associate of Science Degree in Mechanical Engineering Technology

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

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.

The program objectives for this degree include:

1. To prepare graduates with knowledge, problem solving ability and hands-on skills to enter careers in installation, manufacturing, testing, evaluation, computer-aided design, or maintenance of basic mechanical systems.
2. To prepare graduates for immediate employment and to continue their education in our bachelor's degree program.

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

<table>
<thead>
<tr>
<th>First Semester</th>
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</thead>
<tbody>
<tr>
<td>3 MET 14100</td>
<td>Materials I</td>
</tr>
<tr>
<td>1 MET 16200</td>
<td>Computational Analysis Tools in MET</td>
</tr>
<tr>
<td>3 CGT 11000</td>
<td>Technical Graphics Communications</td>
</tr>
<tr>
<td>3 ENGL 10100</td>
<td>English Composition I</td>
</tr>
<tr>
<td>3 MA 15300</td>
<td>Algebra and Trigonometry I</td>
</tr>
<tr>
<td>3</td>
<td>Humanities or Social Science Elective</td>
</tr>
<tr>
<td>16 Semester Credits</td>
<td></td>
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</table>

Second Semester

<table>
<thead>
<tr>
<th>Second Semester</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3 MET 11100</td>
<td>Applied Statics</td>
</tr>
<tr>
<td>3 MET 14200</td>
<td>Manufacturing Processes I</td>
</tr>
<tr>
<td>3 CGT 29000</td>
<td>Computer-Aided Drafting and Design</td>
</tr>
<tr>
<td>3 MA 15400</td>
<td>Algebra and Trigonometry II</td>
</tr>
<tr>
<td>3 COM 11400</td>
<td>Fundamentals of Speech Communication</td>
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<tr>
<td>15 Semester Credits</td>
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</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Third Semester</th>
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</thead>
<tbody>
<tr>
<td>4 MET 21100</td>
<td>Applied Strength of Materials</td>
</tr>
<tr>
<td>3 MET 21300</td>
<td>Dynamics</td>
</tr>
<tr>
<td>3 MET 23000</td>
<td>Fluid Power</td>
</tr>
<tr>
<td>3 MET 24200</td>
<td>Manufacturing Processes II</td>
</tr>
<tr>
<td>3 MA 22300</td>
<td>Introductory Analysis I</td>
</tr>
<tr>
<td>4 PHYS 22000</td>
<td>General Physics I</td>
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<td>20 Semester Credits</td>
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Fourth Semester

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<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>3 MET 10200</td>
<td>Production Design and Specifications</td>
<td>3</td>
</tr>
<tr>
<td>3 MET 21400</td>
<td>Machine Elements</td>
<td>3</td>
</tr>
<tr>
<td>3 MET 22000</td>
<td>Heat / Power</td>
<td>3</td>
</tr>
<tr>
<td>4 PHYS 22100</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>4 ECET 21300</td>
<td>Survey of Electricity &amp; Electronics</td>
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</tr>
<tr>
<td></td>
<td>Total Semester Credits</td>
<td>17</td>
</tr>
</tbody>
</table>

Electives

Social Science/Humanities

English, History, Philosophy, Anthropology, Sociology, Psychology, Economics, Political Science. (Excluded: 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>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 MET 14100</td>
<td>Materials I</td>
<td>3</td>
</tr>
<tr>
<td>3 CGT 11000</td>
<td>Technical Graphics Communications</td>
<td>3</td>
</tr>
<tr>
<td>3 CGT 29000</td>
<td>Computer-Aided Drafting and Design</td>
<td>3</td>
</tr>
<tr>
<td>3 MA 15300</td>
<td>Algebra and Trigonometry I</td>
<td>3</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 faculty 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 are those at the 10000 and 20000 level which are appropriate for inclusion in an approved mechanical engineering technology associate degree program. Certain approved 30000 level courses may also be chosen providing prerequisite courses are completed.

Total credits required for certificate: 24
Purdue North Central (PNC) currently has two degree programs in the Department of Nursing: the Associate of Science (AS) and the Bachelor of Science (BS) degree, both with a major in nursing. These nursing programs are 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/nursing.htm

Graduates of either program 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 or by contacting the Indiana State Board of Nursing at the address provided above.

The Indiana Commission for Higher Education (ICHE) has requested that PNC initiate a change in nursing degree programs, with a gradual decrease in enrollment to the AS in nursing program and, at the same time, a gradual increase in enrollment to the BS in nursing program. The PNC Department of Nursing, in compliance with the request of the ICHE, announces that the AS nursing program will accept final applications for enrollment in the AS nursing program through August 16, 2010. Beginning in Spring 2011 admission will be to the BS First Year Nursing Program only.

**DEGREE OPTIONS:**

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

The BS degree can be obtained by the traditional four year plan of study leading to the licensing exam to become an RN. In addition, individuals who have already attained RN status can obtain the BS degree through the RN-BS completion program. The BS degree program 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.

**RN-BS Completion Track**

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 or Diploma program will find the BS completion plan accessible and affordable. Transfer students are evaluated according to the RN-BS criteria for admission.

**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. 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.
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.

Bachelor of Science Degree with a Major 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.

ENROLLMENT CRITERIA:

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

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

- Admission to the University
- SAT composite 1400 or equivalent ACT
- Cumulative GPA 2.50 or better on 4.0 scale
- All courses required for enrollment 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 2.50 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 > 2.50 on a 4.0 scale
  - 2 semesters of Biology
  - 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 2.50 on a 4.0 scale on required First-Year Nursing courses (or be currently enrolled in the courses)
  - Biology 21300/21400/22100
  - Chemistry 11900
  - English 10100/10200
  - NUR 10700: Introduction to Professional Nursing
  - NUR 21800: Human Development and Health Promotion
  - Psychology 12000
  - 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 ENROLLMENT CRITERIA:**

The enrollment 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:**

**First Year Nursing:**

**First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Cr.</th>
<th>Cl.</th>
<th>Lab.</th>
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<tr>
<td>BIOL 21300</td>
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<td>CHM 11900</td>
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<td>NUR 10700</td>
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Total Credits: 16

**Second Semester**

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Total Credits: 17

**Nursing Program: (requires progression from First Year Nursing)**

**Third Semester**

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<thead>
<tr>
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Purdue University North Central 2009-2010
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<td>Fourth Semester</td>
<td>STAT 30100</td>
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<td>NUR 42900</td>
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<td>NUR 49300</td>
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<td>NUR 43900</td>
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<td>NUR 49500</td>
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<td>Total Credits for BS degree: 122</td>
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### GENERAL PLAN OF STUDY: RN-BS COMPLETION UPPER DIVISION

**Fifth Semester**
- **NUR 33100** Transition to Baccalaureate Nursing, Cr. 3, Cl. 3
- **NUR 34700** Nursing Theory and Research I, Cr. 3, Cl. 3
- **NUR 34900** The Health Care System in the United States, Cr. 3, Cl. 3
- **MA 15300** Algebra & Trigonometry I, Cr. 3, Cl. 3 or
- **MA 15200** College Algebra for Liberal Arts, Cr. 3, Cl. 3
- **Elective (CNIT)** Cr. 3, Cl. 3

Total Credits: 15

**Sixth Semester**
- **NUR 35700** Nursing Theory and Research II, Cr. 3, Cl. 3
- **NUR 38900** Family Health Nursing, Cr. 3, Cl. 3
- **STAT 30100** Elementary Statistical Methods, Cr. 3, Cl. 3
- **ENGL 10200** Cr. 3, Cl. 3, Lab. 0
- **Elective** Free, Cr. 3, Cl. 3

Total Credits: 15

**Seventh Semester**
- **NUR 35300** Health Care Informatics, Cr. 3, Cl. 3
- **NUR 42900** Community Health Nursing, Cr. 5, Cl. 3, Lab. 6
- **Elective** Humanities, Cr. 3, Cl. 3

Total Credits: 11

**Eighth Semester**
- **NUR 43900** Nursing Management and Leadership, Cr. 3, Cl. 3
- **NUR 49600** RN/BS Nursing Capstone, Cr. 3, Cl. 1, Lab. 6
- **Elective** Communication, Cr. 3, Cl. 3
- **Elective** Philosophy, Cr. 3, Cl. 3

Total Credits: 12

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

### 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. Students must meet also all graduation criteria established by the University.

### ADDITIONAL INFORMATION:
All the curricular requirements of the Purdue University North Central Bachelor Degree nursing program must be completed within nine regular consecutive (Fall & Spring) semesters after beginning the Nursing Program. This does not include time spent in the First Year Nursing program. Students cannot take a course without meeting the pre-requisite and co-requisite requirements.

Credit for required courses in the nursing program will be considered valid to meet the degree requirements for ten years.

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.

**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 December 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 December 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.

**Clinical Practicum:**
Clinical/practicum experiences are available in various health agencies in La Porte, 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 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. 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. No more than one withdrawal is allowed per each NUR course for the entire length of time a student is enrolled in the nursing program. A second withdrawal in the same NUR course 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.

**Miscellaneous Information:**
Basic skills in mathematics and proficiency in drug dosage calculations are required throughout the nursing program. 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.
Associate of Science Degree with a Major in Nursing

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.
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.

ENROLLMENT CRITERIA:
Enrollment in the Purdue University North Central Associate Degree nursing program is limited and not all qualified applicants may be offered enrollment. The applicant selection process utilized is based on objective criteria of applicant qualifications that serve to select the best candidates for enrollment 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 PLAN OF STUDY:

First Semester
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Cr.</th>
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<tr>
<td>BIOL 21300</td>
<td>Human Anatomy &amp; Physiology</td>
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<tr>
<td>CHM 11900</td>
<td>General Chemistry</td>
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<td>PCTX 20100</td>
<td>Introductory Pharmacology</td>
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<td>NUR 21900</td>
<td>Health Assessment</td>
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<td>Nursing Foundations</td>
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Total Credits: 18

Second Semester
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<td>BIOL 21400</td>
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<td>BIOL 22100</td>
<td>Introduction to Microbiology</td>
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<td>NUR 21800</td>
<td>Human Development &amp; Health Promotion</td>
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Purdue University North Central 2009-2010
NUR 23100 Nursing Care of Developing Families, Cr. 3, Cl. 2, Lab. 3
NUR 10700 Introduction to Professional Nursing, Cr. 3, Cl. 3

Total Credits: 17

Third Semester
NUR 20100 Pathophysiology for Nursing Practice, Cr. 3, Cl. 3
NUR 23200 Nursing Care of Infants, Children, and Adolescents, Cr. 3, Cl. 2, Lab. 3
NUR 23300 Nursing Care of Adults, Cr. 4, Cl. 2, Lab. 6
ENGL 10100 English Composition I, Cr. 3, Cl. 3
PSY 12000 Elementary Psychology, Cr. 3, Cl. 3

Total Credits: 16

Fourth Semester
NUR 23400 Psychosocial Nursing Care, Cr. 3, Cl. 2, Lab. 3
NUR 23700 Nursing Synthesis, Cr. 6, Cl. 2, Lab. 12
F & N 30300 Essentials of Nutrition, Cr. 3, Cl. 3
SOC 10000 Introductory Sociology, Cr. 3, Cl. 3

Total Credits: 15
Total AS credit hours: 66

GRADUATION CRITERIA:
Upon successful completion of AS general plan of study an Associate 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 coursework required and approved for the completion of the degree, and have a minimum graduation index of 2.0 on a 4.0 scale. In addition, all required non-nursing and nursing courses must be completed with a grade of “C” or better. Students must meet all graduation criteria established by the University.

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. This does not include time spent in any pre-nursing courses. Students cannot take a course without meeting the pre-requisite and co-requisite requirements.
Credit for required courses in the nursing program will be considered valid to meet the degree requirements for ten years.
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.

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 December 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 December 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.

Clinical Practicum:
Clinical/practicum experiences are available in various health agencies in La Porte, 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 nursing program must be enrolled in a clinical nursing course each semester in order to progress and remain in the nursing program. 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. 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. No more than one withdrawal is allowed per each NUR course for the entire length of time a student is enrolled in the nursing program. A second withdrawal in the same NUR course 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.

Miscellaneous Information:
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 STUDENTS: AS OR BS PROGRAM OF STUDY

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

- Submit an application for admission to the university
- Submit an application for enrollment to the nursing program.
- 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.

Transfer or Advance Standing 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 recommen-
ation 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 (Advance Placement):**

A credit by examination advanced placement option is offered to Licensed Practical Nurses (LPNs) qualified to enter the Purdue University North Central 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 enrollment 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.
OFFICE PRODUCTIVITY

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 CNIT 10700D. Only access to a computer, the required software, and the Internet is needed. The software required for the CNIT 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 minus” is required in all four courses. All required courses must be taken at a Purdue University campus.

Required Courses

3 cr. CNIT 10700 Computer Literacy

6 Two of the following PC Applications:
   CNIT 12100 Advanced Database
   CNIT 12700 Advanced Spreadsheet
   CNIT 12800 Advanced Word Processing

3 OLS 25200 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 11100 – Algebra before taking any of the CNIT 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 CNIT course.

2A minimum grade of “C minus” must be earned in CNIT 10700 before taking CNIT 12700 and CNIT 12800.
Bachelor of Science Degree in Organizational Leadership and Supervision

The baccalaureate program in Organizational Leadership and Supervision (OLS) was designed with the active assistance of business and industrial leaders. It 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 – 126 credits

Leadership Core (30 credits)

OLS 25200 Human Relations in Organizations
OLS 27400 Applied Leadership
OLS 38600 Change Management
OLS 38800 Leadership for Team Development
OLS 45400 Gender and Diversity in Management
OLS 47700 Conflict Management
OLS 48700 Leadership Philosophy
OLS 49400 Organizational Policy and Strategy (capstone)
OLS xxxxx* Elective
OLS xxxxx* Elective
Legal/Ethical (6 credits)
Ethics Elective –
OLS 44100 Leading Ethically or
GBG 34400 Business Ethics or
PHIL 11100 Ethics
Law Elective –
OLS 36800 Employment Law or
GBG 26000 Business Law or
GBG 25900 Law and Society

Technical Support Representative (24 credits)
GBG 12700 Introduction to Business or
IET 10400 Industrial Organization
GBG 35100 Organization and Management or
IET 35200 Operations Management
MGMT 20000 Introductory Accounting
MGMT 32300 Introduction to Market Analysis
ECON 25100 Microeconomics
OLS 48400 Leadership for Quality or
IET 36400 Total Quality Management
C&IT Electives (6 credits)

Skills Development (30 credits)
ENGL 10100 English Composition I
ENGL 10200 English Composition II
ENGL 42000 Business Writing
COM 11400 Fundamentals of Speech Communication
COM Elective (any 30000- or 40000-level elective)
Foreign Language Elective
Foreign Language Elective
MA 15300 Algebra and Trigonometry I
STAT 21300 Probability and Decision Theory

General Education Requirements (21 credits)
Science (6 credits)
Behavioral Science Electives (6 credits)
History/Political Science Elective
Aesthetic Awareness Elective
Open electives (6 credits)

Minor or Area of concentration (15 credits)
Students are expected to maintain a 2.0 GPA in order to be eligible for this degree
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.

Required Courses (63 credits)

Leadership Core (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLS 25200</td>
<td>Human Relations in Organizations</td>
</tr>
<tr>
<td>OLS 27400</td>
<td>Applied Leadership</td>
</tr>
<tr>
<td>OLS 33100</td>
<td>Occupational Safety and Health</td>
</tr>
<tr>
<td>OLS 37500</td>
<td>Training Methods</td>
</tr>
<tr>
<td>OLS 37600</td>
<td>Human Resource Issues</td>
</tr>
<tr>
<td>IET 10400</td>
<td>Industrial Organizational or</td>
</tr>
<tr>
<td>GBG 12700</td>
<td>Introduction to Business</td>
</tr>
</tbody>
</table>

Skills Development (30 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENGL 10100</td>
<td>English Composition I</td>
</tr>
<tr>
<td>COM 11400</td>
<td>Fundamentals of Speech Communication</td>
</tr>
<tr>
<td>MA 15300</td>
<td>Algebra and Trigonometry I</td>
</tr>
<tr>
<td>MA 15400</td>
<td>Algebra and Trigonometry II or</td>
</tr>
<tr>
<td>STAT 21300</td>
<td>Probability and Decision Theory</td>
</tr>
</tbody>
</table>

Technical Support Representative (24 credits)

Select courses that may be appropriate for increasing technical effectiveness in a chosen position

Options include: additional OLS coursework, business courses (GBA, GBG, GBM, MGMT), economics (ECON), computer and information technology (C&IT), or any engineering technology series (IET, ECET, BCM, MET)

General Education Requirements (15 credits)

Behavioral Science Electives (6 credits)

Other Electives (history, political science, English, foreign language, science, communication)
Associate of Science Degree in Organizational Leadership and Supervision: Human Resource Management 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: compensation and benefits, labor relations, staffing, human resource law, employee training & development, and occupational safety & health.

**Required Courses (63 credits)**

**Human Resources Core (27 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>OLS 25200</td>
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</tr>
<tr>
<td>OLS 27400</td>
<td>Applied Leadership</td>
</tr>
<tr>
<td>OLS 33100</td>
<td>Occupational Safety and Health</td>
</tr>
<tr>
<td>OLS 37200</td>
<td>Staffing and Performance Appraisal</td>
</tr>
<tr>
<td>OLS 37500</td>
<td>Training Methods</td>
</tr>
<tr>
<td>OLS 37600</td>
<td>Human Resource Issues</td>
</tr>
<tr>
<td>OLS 37800</td>
<td>Labor Relations</td>
</tr>
</tbody>
</table>

*One of the following:*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLS 48400</td>
<td>Leadership Strategies for Quality and Productivity or</td>
</tr>
<tr>
<td>OLS 38800</td>
<td>Leadership for Team Development or</td>
</tr>
<tr>
<td>OLS 36800</td>
<td>Employment Law or</td>
</tr>
<tr>
<td>OLS 37900</td>
<td>Compensation and Benefits</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IET 10400</td>
<td>Industrial Organizational or</td>
</tr>
<tr>
<td>GBG 12700</td>
<td>Introduction to Business</td>
</tr>
</tbody>
</table>

**Skills Development (15 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENGL 10100</td>
<td>English Composition I</td>
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<tr>
<td>ENGL 10200</td>
<td>English Composition II</td>
</tr>
<tr>
<td>COM 11400</td>
<td>Fundamentals of Speech Communication</td>
</tr>
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<td>MA 15300</td>
<td>Algebra and Trigonometry I</td>
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<td>Algebra and Trigonometry II or</td>
</tr>
<tr>
<td>STAT 21300</td>
<td>Probability and Decision Theory</td>
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</tbody>
</table>

**Technical Support (9 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>C&amp;IT 10700</td>
<td>Computer Literacy</td>
</tr>
<tr>
<td>C&amp;IT 12700</td>
<td>Spreadsheet Applications</td>
</tr>
<tr>
<td>C&amp;IT 12800</td>
<td>Word Processing</td>
</tr>
</tbody>
</table>

**General Education Requirements (12 credits)**

- Behavioral Science Electives (6 credits)
- Other Electives (history, political science, English, foreign language, science, communication)
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 25200 Human Relations in Organizations
3 OLS 27400 Applied Leadership
3 COM 11400 Fundamentals of Speech Communication
3 ENGL 10100 English Composition I

Core Curriculum (6 credits)

Two of the following three courses are required in the basic core curriculum:

3 OLS 33100 Occupational Safety and Health
3 OLS 37600 Human Resource Issues
3 OLS 37800 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.

INTERNERSHIP OPPORTUNITIES IN ORGANIZATIONAL LEADERSHIP

Internship experiences are unique learning experiences intended to complement the core curriculum or they can offer a realistic picture of the world of work and bring theoretical concepts to life. Each student who intends to pursue an internship must submit an application to the College of 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 Organizational Leadership degree. All internships for credit in the Department of Business & Leadership must have a relevant faculty member as instructor. The plan of study and experience must be linked to course content in leadership, management, or human resources.

A final report based on the internship must be submitted as part of the coursework in order to receive a grade.
Process Improvement Certificate

This certificate program is designed to provide 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>IET 10400</td>
<td>Industrial Organization</td>
</tr>
<tr>
<td>IET 36400</td>
<td>Total Quality Management</td>
</tr>
<tr>
<td>IET 34400</td>
<td>Introduction to Simulation</td>
</tr>
<tr>
<td>IET 41100</td>
<td>Applications of Lean and Six Sigma Methodologies</td>
</tr>
<tr>
<td>OLS 27400</td>
<td>Applied Leadership</td>
</tr>
<tr>
<td>MA 15300</td>
<td>Algebra and Trigonometry I</td>
</tr>
<tr>
<td>IET 25000</td>
<td>Fundamentals of Production Cost Analysis</td>
</tr>
</tbody>
</table>

Total credits required for certificate: 21
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, the Six Sigma Methodology, 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. A certificate will be presented to those who successfully complete all course work.

Required Courses (21 credits)

3 MA 15300 Algebra and Trigonometry I
3 MA 15400 Algebra and Trigonometry II
3 STAT 30100 Elementary Statistical Methods
3 MET 14100 Materials I
3 IET 20400 Techniques of Maintaining Quality
3 IET 36400 Total Quality Management
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: CNIT, 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 22500 or 31100
- An introductory statistics course: STAT 30100, 35000, 50300, PSY 20100 or 20300
- Two core courses: STAT 36100 and STAT 36200
- One of the following courses: STAT 36300, STAT 46500, or MET 45100

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 OLS 25200</td>
<td>Human Relations in Organizations</td>
</tr>
<tr>
<td>3 CPT 10700</td>
<td>Computer Literacy</td>
</tr>
<tr>
<td>3 OLS 27400</td>
<td>Applied Leadership</td>
</tr>
<tr>
<td>3 ENGL 10100</td>
<td>English Composition I</td>
</tr>
<tr>
<td>3 OLS 33100</td>
<td>Occupational Safety and Health</td>
</tr>
<tr>
<td>3 OLS 37800</td>
<td>Labor Relations</td>
</tr>
<tr>
<td>3 OLS 37600</td>
<td>Human Resource Issues</td>
</tr>
<tr>
<td>3 OLS 36800</td>
<td>Personnel Law</td>
</tr>
<tr>
<td>3 OLS 39900</td>
<td>Supervised Practicum</td>
</tr>
</tbody>
</table>

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 12700 Introduction to Business
- ECON 25100 Microeconomics
- ECON 25200 Macroeconomics
- MGMT 20000 Financial Accounting
- MGMT 20100 Managerial Accounting
- GBG 26000 Business Law
- GBM 32900 Principles of Marketing
- GBG 33300 Principles of Finance

**Accounting Minor**
- MGMT 20000 Financial Accounting
- MGMT 20100 Managerial Accounting
- GBA 22800 Financial Accounting II
- GBA 34000 Intermediate Accounting I
- GBA 34100 Intermediate Accounting II

**Economics Minor**
- ECON 25100 Microeconomics
- ECON 25200 Macroeconomics
- ECON 30100 Managerial Economics
- ECON 30200 Business Conditions Analysis

Any 2 upper level (30000-40000) Economics courses
Chemistry Minor for Biology Majors

Prerequisites

4 CHM 11500 General Chemistry
4 CHM 11600 General Chemistry
10 MA 16700/16900 Plane Analytic Geometry and Calculus I, II or
6 MA 22300/22400 Introductory Analysis I, II

Courses for Minor (at least 16 credits beyond General Chemistry, CHM 11500/11600)

Group A: Organic Chemistry (8 credits)

4 CHM 25500/25500L Organic Chemistry/ Laboratory or
  CHM 26100/26300 Organic Chemistry/ Laboratory
4 CHM 25600/25600L Organic Chemistry/ Laboratory or
  CHM 26200/26400 Organic Chemistry/ Laboratory

Group B: Analytical Chemistry (4 credits)

4 CHM 32100 Analytical Chemistry I

Group C: Physical Chemistry (4 credits)

4 CHM 37200 Physical Chemistry

Additional Option (3 credits)

3 CHM 53300 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 11400)

Core Communication Courses

(Select four of the following courses beyond COM 11400)

3 COM 11400 Fundamentals of Speech Communication (Required)
3 COM 20400 Critical Perspectives on Communication
3 COM 21200 Approaches to the Study of Interpersonal Communication
3 COM 25000 Mass Communication and Society
3 COM 30000 Introduction to Communication Research Methods
3 COM 31400 Advanced Presentational Speaking
3 COM 31800 Principles of Persuasion
3 COM 32400 Introduction to Organizational Communication
3 COM 43500 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 10100 & ENGL 10200; 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 24300
3 ENGL 30400

Electives: Take at least three of the courses listed below.
3 ENGL 20400
2 ENGL 39000
3 ENGL 39100
3 ENGL 40500
3 ENGL 47000
3 ENGL 58900

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 MA 15300 must be completed before starting any CNIT courses.¹

Core Courses (required)²
3 cr. CNIT 14100 Internet Found., Tech., and Develop.
3 cr. CNIT 15500 Intro. to Obj-Oriented Programming
3 cr. CNIT 18000 Intro. to Systems Development

Focus Areas (choose one area)³
Internet and Database Applications focus area:
3 cr. CNIT 25500 Programming for the Internet
3 cr. CNIT 27200 Database Fundamentals

Applications in Networking focus area:
3 cr. CNIT 17600 Information Tech. Architectures
3 cr. CNIT 27600 Systems Software and Networking

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 CNIT 10700 with a grade of “C minus” or better before taking any of these courses, and (2) students must also have passed MA 15300 or its equivalent prior to taking any of these courses.
²For all courses in the CIT minor: (1) a minimum grade of “C minus” is required in a prerequisite CNIT course before moving on to its post-requisite course(s), (2) a student may only repeat a CNIT course a maximum of two times including all withdrawals, and (3) no CNIT course may be taken as Pass/No Pass.
Minor in Ecology

6-8 cr One year of General Biology

(Typically, BIOL 11000 & 11100 (8 cr) or
BIOL 12100/11600 & BIOL 13100/11800 (7 cr) or
BIOL 20500 & 20600 (6 cr))

3-4 cr One semester of General Chemistry

(exception: CHM 10300 will not satisfy this
requirement)

2 cr BIOL 28600 – Introduction to Ecology

2 cr BIOL 28800 – Intro. Field Ecology

One course from the following list:

BIOL 30300 – Birds of NW Indiana (3 cr)
BIOL 32400 – Nat. Hist. of Smoky Mtns (3 cr)
BIOL 32500 – Nat. Hist. of NW Indiana (3 cr)
BTNY 20500 – Spring Flora of Indiana (2 cr)
EAS 11300 – Intro. To Environmental Sci. (3 cr)
EAS 39100E – Environ. Sci. for Elem. Ed. (2 cr)
FNR 38200 – Natural Resources and Man (3 cr)

Total = 15-19 credits

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 15300 or equivalent)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECET 10700</td>
<td>3</td>
<td>Introduction to Circuit Analysis</td>
</tr>
<tr>
<td>ECET 10900</td>
<td>4</td>
<td>Digital Fundamentals</td>
</tr>
<tr>
<td>ECET 15700</td>
<td>4</td>
<td>Electronics Circuit Analysis</td>
</tr>
<tr>
<td>ECET 15900</td>
<td>4</td>
<td>Digital Applications</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
<td><strong>Semester Credits</strong></td>
</tr>
</tbody>
</table>

Computer Electronics Option

(Prerequisites: Programming class and MA 15300 or equivalent)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECET 10900</td>
<td>3</td>
<td>Digital Fundamentals</td>
</tr>
<tr>
<td>ECET 15900</td>
<td>4</td>
<td>Digital Applications</td>
</tr>
<tr>
<td>ECET 20900</td>
<td>4</td>
<td>Introduction of Microcontrollers</td>
</tr>
<tr>
<td>ECET 35900</td>
<td>4</td>
<td>PC Interfacing &amp; Applications</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
<td><strong>Semester Credits</strong></td>
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</table>
Industrial Electronics Option
(Prerequisite: MA 15300 or equivalent)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECET 10700</td>
<td>Introduction to Circuit Analysis or</td>
</tr>
<tr>
<td>ECET 21300</td>
<td>Survey of Electricity &amp; Electronics</td>
</tr>
<tr>
<td>ECET 10900</td>
<td>Digital Fundamentals</td>
</tr>
<tr>
<td>ECET 15900</td>
<td>Digital Applications</td>
</tr>
<tr>
<td>ECET 30200</td>
<td>Introduction to Control Systems (PLCs)</td>
</tr>
</tbody>
</table>

15 Semester Credits

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 15300 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 10100 & ENGL 10200; 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 20100</td>
<td></td>
</tr>
</tbody>
</table>

British Literature (Choose One)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 24000</td>
<td></td>
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<tr>
<td>ENGL 24100</td>
<td></td>
</tr>
<tr>
<td>ENGL 33100</td>
<td></td>
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<tr>
<td>ENGL 33300</td>
<td></td>
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<tr>
<td>ENGL 33500</td>
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<tr>
<td>ENGL 33700</td>
<td></td>
</tr>
<tr>
<td>ENGL 33900</td>
<td></td>
</tr>
<tr>
<td>ENGL 36600</td>
<td></td>
</tr>
</tbody>
</table>
American Literature (Choose One)
3 ENGL 25000
3 ENGL 25700
3 ENGL 35000
3 ENGL 35100
3 ENGL 35600
3 ENGL 37000
3 ENGL 37100
3 ENGL 37200

Genre or Author Course (Choose One)
3 ENGL 31100
3 ENGL 31800
3 ENGL 37300
3 ENGL 37500
3 ENGL 37700
3 ENGL 37900
3 ENGL 38100
3 ENGL 38200
3 ENGL 38300
3 ENGL 44100
3 ENGL 44200
3 ENGL 44400

Elective at the 300-level or above (Choose One)
3 ENGL 31100
3 ENGL 32700
3 ENGL 33100
3 ENGL 33300
3 ENGL 33500
3 ENGL 33700
3 ENGL 35000
3 ENGL 35100
3 ENGL 35600
3 ENGL 36000
3 ENGL 37200
3 ENGL 39600
3 ENGL 46000
3 ENGL 46800
3 ENGL 46900
3 ENGL 59600
Minor in Ethnic Studies

Admission requires a 2.0 GPA overall
15 credit hours minimum, to include:

**9 Semester Credit Hours of required courses are:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 31000</td>
<td>3</td>
<td>Racial &amp; Ethnic Diversity</td>
</tr>
<tr>
<td>HIST 46600</td>
<td>3</td>
<td>Immigration &amp; Ethnicity in American History</td>
</tr>
<tr>
<td>IDIS 48400</td>
<td>3</td>
<td>Ethnic Nationalism in the Modern World</td>
</tr>
</tbody>
</table>

**Minimum of 6 semester credit hours of elective courses:**

HIST 366, HIST 398, POL 326, POL 304, POL 543, FLL 403, SPAN 335, ENGL 311, ENGL 366, IDIS 380, IDIS 490B

Minor in Gender Studies

The minor is offered in collaboration with the Social Sciences Department.
Admission requires a 2.0 GPA overall.

**15 semester credit hours minimum, to include IDIS 106, and a minimum of 12 credit hours from the following:**

PHIL 225, PSY 239, IDIS 280, ANTH 303, ENGL 311, ENGL 360, HIST 365, PSY 365, COM 376, IDIS 380, FLL 401, GBG 450, OLS 454, SOC 450 and appropriate substitutions with the approval of the program minor coordinator.

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 listed 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 2.0 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)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLS 25200</td>
<td>3</td>
<td>Human Relations in Organizations</td>
</tr>
<tr>
<td>OLS 37600</td>
<td>3</td>
<td>Human Resource Issues</td>
</tr>
</tbody>
</table>
Elective Courses (9 credits) – choose any three

3 OLS 33100 Occupational Health and Safety
3 OLS 37200 Staffing and Performance Appraisal
3 OLS 37500 Training Methods
3 OLS 37800 Labor Relations

Minor in Latin American Studies

Admission requires a 2.0 GPA overall and a total of 18 semester credit hours of study.

Required courses (6 cr.) are:
SPAN 282 and at least one of the two seminars (a) HIST 576 or (b) FLL 551

Elective courses (12 cr.) are:
FLL 407, FLL 405, HIST 271, HIST 272, HIST 366, SPAN 235, SPAN 280, SPAN 335, and POL 308.

NOTE: Students may elect to take both HIST 576 and FLL 551, using one to fulfill the requirement and one to fulfill an elective.

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 listed 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 2.0 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 25200 Human Relations in Organizations
3 OLS 27400 Applied Leadership
3 OLS 38600 Leadership: Management of Change
3 OLS 38800 Leadership for Team Development

Electives - choose one

3 OLS 44100 Leading Ethically
3 OLS 45400 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 10100 & ENGL 10200; 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 CNIT 12600
3 ENGL 30400

**Electives: Take at least three of the courses listed below.**

3 ENGL 30900
3 ENGL 41900 or
3 ENGL 42000 or
3 ENGL 42100
3 ENGL 43000
3 ENGL 48800
3 ENGL 58900

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 20200, 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 30100 or 30200.

**Required 3 Courses:**

3 SPAN 30100
3 SPAN 30200
3 SPAN 24100

**Electives (6 hours from the following courses)**

3 SPAN 34100
3 SPAN 34200
3 SPAN 42400
3 SPAN 48000
3 SPAN 48100
3 SPAN 48200
3 SPAN 55700
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 30100, 40100, 40200, or any other basic skills course.

3 SPAN 42400
3 SPAN 48000
3 SPAN 48100
3 SPAN 48200
3 SPAN 55700

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 22500 or 31100
- An introductory statistics course: STAT 30100, 35000, 50300, PSY 20100 or 20300
- Two core courses: STAT 36100 and STAT 36200
- One of the following courses: STAT 36300, STAT 46500, or MET 45100

Although there are several paths to the statistics minor, below are some sample plans of study which specific majors might find useful:

- Biology: STAT 22500, STAT 31100, STAT 36100, STAT 36200, STAT 36300
- Behavioral & Social Sciences: STAT 22500, PSY 20100, STAT 36100, STAT 36200, STAT 36300
- Business: STAT 22500, STAT 30100, STAT 36100, STAT 36200, STAT 36300
- Secondary Education: STAT 31100, STAT 35000, STAT 36100, STAT 36200, STAT 46500
- Engineering: STAT 31100, STAT 35000, STAT 36100, STAT 36200, MET 45100
- Technology: STAT 22500, STAT 30100, STAT 36100, STAT 36200, MET 45100

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.

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.

REYNALDO D. BARRETO (1992)
Associate Professor of Chemistry

R. DEREK BJONBACK (2002)
Associate Professor of Business

THOMAS F. BRADY III (1992)
Associate Professor of Industrial Engineering Technology; Chair, Engineering Technology Department

TANTATAPE BRAHMASRENE (1988)
Professor of Economics

RONALD E. BROWNIE (2006)
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A.S., Quincy, 1990; B.S., Embry Riddle Aeronautical, 1994; M.S., Chapman, 1997.

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.

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.

YEOUN-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)
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B.S., Soochow University, Taipei, Taiwan, 1987; M.S., Michigan State, 1995.

ANNETTE M. COATES (2004)
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JESSE S. COHN (2000)
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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.

PURNACHANDRA 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.
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)
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Continuing Lecturer of Mathematics

LINDA M. DUTTLINGER (1984)
Associate Professor of Developmental Studies; Director, Accreditation and Assessment

JANUSZ DUZINKIEWICZ (1997)
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JAMES B. DWORKIN (1976)
Chancellor; Professor of Organizational Behavior and Human Resource Management

MARY JANE EISENHUER (2008)
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DAVID J. FEIKES (1993)
Associate Professor of Mathematics
B.S., Ball State, 1977; M.S., Purdue, 1984; Ph.D., 1992.

HARSHINI P. FERNANDO (2006)
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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)
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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.

MARTHA 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)
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B.A., Wesleyan University, 1976; Ph.D., University of Texas, 1984.

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 (1983)
Professor of Biology

BOBBI J. HERRON (2008)
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A.D., Purdue North Central, 1987; B.S., Purdue Calumet, 2000; M.S., 2003.

Continuing Lecturer of Communication

THOMAS A. HOLETS (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

HOWARD JABLON (1966)
Professor of History
PATRICIA G. JACOBY (1987)
Associate Professor of Business

SHARRON K. JENKINS (2005)
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Assistant Professor of Library Science and Library Director

MARNE J. JUESTEL (2006)
Assistant Professor of Nursing

H. SUSITHA KARUNARATNE (2007)
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SHIRLEY A. KEETON (2006)
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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, 2005.

KAREN J. KLOSINSKI-SCHOOLEY (2008)
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B.S.N., Valparaiso, 1994; MSN/Ed, 2006, Phoenix; R.N.

ALAN G. KRABBENHOFT (2007)
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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)
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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.

CHRISTINE HEINECKE LEHMANN (1980)
Associate Professor of Mathematics

SILVIA G. LORENTE-MURPHY (1985)
Professor of Spanish

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)
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DIANE S. MALETTA (2000)
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B.S., Valparaiso, 1982; M.S., Butler, 1986; Ph.D., Indiana, 1996.

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JOY E. MARBURGER (2008)
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B.S., Allegheny College, 1968; M.S., Bowling Green State University, 1974; Ph.D., University of Maryland, 1986.

NANCY B. MARTHAKIS (2005)
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DANIEL H. MASON (2008)
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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)
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HALINA C. MIZINIAK (1987)
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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.

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PAUL J. OSISEK (1989)
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DANIEL L. PADBERG (1993)
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RAJAPPA PAPANNAREDDY (1988)
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KAREN L. SCHMID (2008)
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B.S., Carleton (Canada), 1979; M.S., Guelph (Canada), 1983; Ph.D., Toronto (Canada), 1989.

RICHARD M. SCROGGIN (1981)
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CHARLOTTE D. STRAHM (2008)
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A.D.N., Purdue University North Central, 1976; B.S.N., Valparaiso University, 1991; M.S.N., 1995; R.N.

WHEE MING SU (1979)
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JONATHAN P. SWARTS (2005)
Assistant Professor of Political Science

LI TAN (2008)
Assistant Professor of Electrical & Computer Engineering Technology
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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)
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PAUL A. TOMBERS (1986)
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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

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.

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).
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.

MARIYLIN 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.

L. EDWARD BEDNAR (1965-2004)
Vice Chancellor Emeritus for Academic Affairs;
Professor Emeritus of General Studies

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

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

EDWIN F. BUCK JR. (1966-90)
Professor Emeritus of Communication

PATRICIA P. BUCKLER (1986-2006)
Professor Emerita of English

JOAN M. CHESTERTON (1988-98)
Professor Emerita of Organizational Leadership and Supervision

Professor Emeritus of Architectural Technology
B.S., Cincinnati, 1957; Registered Architect, Indiana Michigan Ohio.

EDWARD F. HACKETT (1987-1999)
Professor Emeritus of Education

GLENN L. KELDSEN (1988-2005)
Professor Emeritus of Chemistry
B.S., Antioch, 1958; M.S., Massachusetts, 1968; Ph.D., 1977.

Professor Emeritus of Mathematics
B.S., Kansas, 1960; M.S., 1964; M.S., Purdue, 1966.

Professor Emeritus of Education and General Business

LAWRENCE A. MACHTINGER (1972-2006)
Professor Emeritus of Mathematics

ROBERT A. MARTIN (1969-87)
Professor Emeritus of Management

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.
FREDERICK C. PATTEN (1983-2007)
Professor Emeritus of Sociology

PHILLIP PERKINS (1970-87)
Professor Emeritus of Mechanical Engineering Technology
B.S.M.E., Purdue, 1943; M.S., Indiana State, 1981.

ROGER C. SCHLOBIN (1971-2000)
Professor Emeritus of English

MARION V. WHITLOW (1972-75; 1976-97)
Professor Emerita of Nursing
B.S.N., Pittsburgh, 1966; M.S., Indiana, 1976; R.N.

Professor Emeritus of English
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.

BARRBARA A. AUSTIN (2002)
Director, Academic Advising

G. WILLIAM BACK (1969)
Vice Chancellor for Special Projects

JUDITH A. BACK (2002)
Business Administrator II/Community Representative

CAROL G. BAILEY (2000)
Business Administrator

GAIL A. BARKER (1996)
Director, Student Support Services
B.S., Purdue, 1995; M.S., 2000.

SHELDY D. BARNES (1996)
Financial Aid Operations Coordinator
A.S., Purdue, 2002; B.L.S., Purdue, 2005.

LAWRENCE M. BARRETT (2005)
Vice Chancellor for Enrollment Management & Student Services

KIER MARRS BARRON (2004)
Director, Student Activities
B.S., Purdue, 1998; M.S., 2008.

ELIZABETH H. BERNEL (2007)
Coordinator of Special Events and Marketing
B.S., D’Youville College, 1976.

DEBORAH I. BIRCH (1992)
Director, Success Through Education

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 (1992)
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

ALLANA T. BURKE (1996)
Academic Advisor/DISCOVER Coordinator

DAVID N. CADWELL (1997)
Computer Support Supervisor
A.A.S., Purdue, 1996; B.S., Purdue, 2008.

ANTHONY D. CARDENAS (1996)
Assistant Dean of Enrollment and Outreach

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 Communication Services
B.S., Ball State, 1977.

NATALIE N. CONNORS (2009)
Director of Career Development
B.S., Ball State University, 1997.

DAVID R. CRUM (1999)
Director, Correctional Education Programs

DENISE G. CURTIS (2006)
Financial Aid Analyst
B.S., Purdue, 2000.

BRYANT M. DABNEY (1997)
Director Financial Aid Processing and Compliance

RITA A. DAGYS (2003)
Director, Development

PURNACHANDRA 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 (1984)
Director, Accreditation and Assessment; Associate Professor of Developmental Studies

JAMES B. DWORKIN (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.

DANIEL D. FASTENAU (2008)
Accountant II

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 (1998)
Educational Advisor, Success Through Education
B.L.S., Purdue, 1993.

ROBERT E. GAELKE (1994)
Director, Public Safety
A.S., Indiana, 1974; B.S., 1983.

JOSEPH K. GOEPFRICH (2000)
Vice Chancellor for Advancement

JAN E. HANCHAR (1996)
Director, Employment and Compensation
B.S., Purdue, 1989.

CHRISTINE N. HAYES (1979)
Assistant Director, Purchasing and General Services

KENNETH C. HOLFORD (2000)
Chair, Biology/Chemistry Department; Associate Professor of Biology

CLIFTON O. HOWELL (2006)
Junior Network Administrator

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

KATHLEEN A. JOHNSON (2008)
Professional Academic Advisor

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)
Coordinator of Website, Communication Specialist

D. CAROL KURMIS (2003)
Enrollment Manager, PNC – Porter County
B.S., Purdue, 2002; M.S.Ed., 2007.

TODD E. LAUX (2003)
Wellness Coordinator

Educational Advisor, Success Through Education

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 E. MARTIN (2004)
Director of Accounting
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.

FRED MCNULTY (2009)
Director of Engagement

SUSAN T. MILLER (1998)
Associate Vice Chancellor for Human Resources

AMY C. MOBERG (2003)
Lead Information Systems Programmer

S. REX MORROW (2007)
Dean, College of Liberal Arts; Professor of Education

KYLE K. MULCRONE (2006)
Benefits Administrator

DEBRA A. NIELSEN (1975)
Assistant to the Chancellor
B.A., Purdue, 1974.

LAURA ODOM (2009)
Assistant Director of EEO and Training
B.S., Purdue, 1999.

LISA A. OPPERMAN (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

ADAM M. POLOMCHAK (2008)
Information Systems Programmer
B.S., Purdue, 2006.

DAVID M. PRATT (2002)
Director of Student Teaching

KAREN A. PRESCOTT (1993)
Coordinator of Graphic Design, Photography, and Printing

BEVERLY J. PULLER (1993)
Bursar

MICHAEL A. RAMIAN (2005)
Senior Enrollment 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

L. JAMES SALLEE (2000)
Director, Maintenance and Utilities

DENISE A. SCHLAGEL (1994)
Payroll Administrator
A.S., Purdue, 2002; B.L.S., Purdue, 2007.

KAREN L. 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

MARIA L. SHURR (1986)
Coordinator, Sitter Service

MARK L. 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

AMY J. SNYDER (2008)
Facilities Project Assistant
B.A., Valparaiso University, 1986.

MARY B. 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, Interim Vice Chancellor for Administration

MAHENDRA K. VERMA (1996)
Network Systems Manager
A.S., Purdue, 1995; B.S., MGM College, Madhya Pradesh (India), 1991.

BIANCA S. VILLARRUEL (2008)
Professional Academic Advisor
B.S., Ball State, 2002.

KILA S. WARD (2009)
Program Counselor, Student Support Services
LAURA A. WEAVER (2008)
Service Learning Coordinator

Director, Student Athletics; Head Baseball Coach

JANICE L. WHISLER (2001)
Assistant Director, Enrollment

SUSAN E. WILSON (1992)
Director, School Partnerships

TARA J. 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)
Enrollment Recruiter
DEGREES OFFERED AT PURDUE UNIVERSITY NORTH CENTRAL

Master's Degrees
  Elementary Education
  Master of Business Administration (MBA)

Bachelor's Degrees
  Behavioral Science
    Concentrations in Psychology, Sociology, Social Work
  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
  Early Childhood Education
  Elementary Education
  Engineering Technology
    Electrical & Computer Engineering Technology, Industrial Engineering Technology, Interdisciplinary Engineering Technology
  English
  Human Resources
  Liberal Studies
  Mechanical Engineering
  Mechanical Engineering Technology
  Nursing (2+2; traditional)
  Organizational Leadership and Supervision
    Concentrations in Computer & Information Technology, Human Resource Management & Development, Industrial & Manufacturing Engineering Technology
  Secondary Education

Associate Degrees
  Building Construction Management Technology
  Business
  Computer & Information Technology
  Electrical Engineering Technology
  Mechanical Engineering Technology
  Nursing
  Organizational Leadership and Supervision
    Concentration in Human Resource Management

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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