INDIANA TECH

College of Professional Studies

COURSE CATALOG

2013-2014

Programs and policies described here pertain to the College of Professional Studies. For a more complete description of the university's offerings and policies, please consult the 2013-2014 academic catalog.

Table of Contents

College of Professional Studies

Undergraduate Programs

Undergraduate Course Descriptions

Graduate Programs

Graduate Course Descriptions

University Information

COLLEGE OF PROFESSIONAL STUDIES

Our Academic Philosophy

The College of Professional Studies (CPS) offers professionally oriented degree programs for students who cannot attend college full time in a traditional format. Degree programs in accounting, business, criminal justice, general studies, health care, health information technology, human services, information systems, organizational leadership, and engineering are targeted toward students who have some workplace experience but seek more education to achieve their career goals.

The degree programs are developed by the College of Business, College of General Studies, and the College of Engineering and Computer Sciences. The course work and academic objectives are the same as you would find in our traditional programs. The structure of the programs, however, allows adult learners to complete courses in a compressed timeframe. An entire semester of material is covered in five or six weeks. Students must be committed to attending each class and reserving time outside of class for study and homework. Online classes give students the flexibility to access course material when and where they want within that five- or six-week class structure.

While these programs are academically challenging, Indiana Tech simplifies many of the administrative details of attending college. For example, registering for classes can be completed by phone or online. In addition, textbooks and other course materials are shipped to students prior to the first class meeting. Almost any process, from making tuition payments to changing a major, can be completed through forms found on the university website. Less time spent shopping for textbooks or filling out paperwork leaves more time for studying and meeting life's challenges.

The College of Professional Studies is dedicated to helping students achieve personal and professional goals. The degree programs focus on knowledge and skills needed for the real world. If you have any questions about the programs, please call 800.288.1766 or explore our website at www.IndianaTech.edu/CPS.

The Accelerated Degree Program

The Accelerated Degree Program offers motivated students an alternative to traditional, full-term classes. Weekly classroom sessions supplemented with rigorous homework assignments and projects allow students to progress at an advanced pace.

For undergraduate students, the traditional 15-week semester is condensed to a five-week session. Some quantitative courses are taught in 10-week sessions. Most classes meet once a week, although some science courses in the industrial and manufacturing engineering program do require two class meetings per week. There are nine undergraduate sessions each year, allowing a student to start the program at any time.

For graduate students, the traditional semester is condensed to six weeks, with some quantitative courses being 12 weeks. Like undergraduates, the classes meet just once a week. There are eight graduate sessions each year, allowing a student to complete a master's degree in about two years.

Books, materials, and the first assignment for all courses are shipped to the student's home 10 to 14 days prior to class.

Although the College of Professional Studies gives students a great deal of flexibility in scheduling, some degree programs do require that a group of courses be taken in a certain order. This system, referred to as Tracked Educational Adult Modules (TEAM), uses a tracked teaching approach with students organized into TEAM groups of 12 to 18 members. The TEAM proceeds in a predetermined order through the courses that are unique to the degree.

Distance Education

The Office of Distance Education offers students the opportunity to complete classes via a broadband Internet connect. Current degrees being offered through distance education are:

Undergraduate Degrees

- Associate of Science in Accounting
- Associate of Science in Business Administration:
  - Management
  - Production Management
- Associate of Science in Criminal Justice
- Associate of Science in General Studies
- Associate of Science in Health Information Technology
- Bachelor of Science in Accounting

- Bachelor of Science in Business Administration:
  - Health Care Administration
  - Human Resources
  - Management
  - Management Information Systems
  - Marketing
- Bachelor of Science in Criminal Justice:
  - Crime Analysis
  - Criminal Justice Administration
  - Rehabilitative Services
- Bachelor of Arts in Information Systems
- Bachelor of Science in Organizational Leadership
- Bachelor of Science in Psychology

Graduate Degrees

- Master of Business Administration (MBA):
  - Accounting
  - Health Care Management*
  - Human Resources
  - Management
  - Marketing
- Master of Science in Engineering Management (MSE)
- Master of Science in Management (MSM)
- Master of Science in Organizational Leadership (MSOL)
- Ph.D. in Global Leadership:
  - Organizational Management
  - Academic Administration

*HCM courses are only available online while the other courses can be taken in the classroom

Online courses have specific start and end dates, with most of them spanning 5 weeks for undergraduates and 6 weeks for graduate students. Students have weekly assignments, but can access materials at any time that is convenient for them within the assignment guidelines.

For more information on available courses and policies in the Office of Distance Education, please visit www.IndianaTech.edu/DistanceEd.

Academic and Professional Support

Indiana Tech offers a variety of resources for students in need of academic or professional guidance. The accelerated pace of courses in the College of Professional Studies challenges students to maintain focus on the course material. If you feel the need for extra assistance, you can take advantage of free tutoring services offered by the university. Faculty members and upper-level students who have shown success in specific subjects work as tutors for students who need one-on-one help to succeed in a course.

All CPS students also have access to McMillen Library on the Fort Wayne campus. The McMillen Library offers electronic access to an online catalog, full-text databases, and the Internet. Remote access also is available for searching from the Indiana Tech website at www.IndianaTech.edu/library. Additional services include reference, library instruction, and intra-library loan services.

Resource materials and computer access also are available in the Academic Resource Centers at other Indiana Tech locations. The books and periodicals available at each center are chosen to supplement material covered in the courses offered through the College of Professional Studies. Computers provided at each center have Internet access and the business software required to complete assignments, as well as tutorials on using the software.

Because your path to success does not end at graduation, Indiana Tech also offers professional guidance through the Career Planning and Development Center. Career center staff can offer advice on a variety of career paths and direct you to tools and resources for exploring various industries and employment opportunities.

Warrior Information Network

At Indiana Tech, we take pride in our commitment to our students. To serve you better, we have established the Warrior Information Network (WIN) as a centralized source for administrative needs. One call to 888.832.4742 does it all, handling all of your needs from registration through graduation.

Our student services representatives are specially trained to serve student needs, such as:

- Registration
- Changes of personal information (address, phone number, e-mail)
- Account questions (balances, payments, payment schedules)
- Course withdrawals
- Curriculum changes
- Requests for copies of grades

WIN representatives also can provide general information such as:

- Directions to class locations
- Information on schedules
- Weather-related class cancellations

Instead of calling different departments on different campuses, call the WIN with any question or problem you may have. You don't have to search for the right person or wait for a returned phone call. Just enjoy helpful, convenient service.

The three ways to contact the WIN are:

- E-mail: WIN@indianatech.edu.
- Telephone: 888.832.4742, from 8:30 a.m. to 7 p.m. Monday through Thursday and 8:30 a.m. to 5 p.m. Friday with the exception of holidays.
- Fax: 260.424.4831 or toll-free 888.832.4844.

UNDERGRADUATE PROGRAMS

Degree Options

Degree programs at Indiana Tech are designed to provide students with the knowledge and skills needed for rewarding careers. The university recognizes that each student is an individual and has unique goals. With that in mind, the College of Professional Studies offers degree options with a variety of concentrations. Each student can choose the degree that fits his or her goals and, in many cases, combine two or more concentrations for a tailor-made education.

Although not all programs are available at all locations, undergraduate degree options in the College of Professional Studies for the 2012-13 academic year are:

- Associate of Science in Accounting
- Associate of Science in Business Administration:
  - Management
  - Production Management
- Associate of Science in Criminal Justice
- Associate of Science in General Studies
- Associate of Science in Health Information Technology
- Associate of Science in Industrial and Manufacturing Engineering
- Bachelor of Science in Accounting
- Bachelor of Science in Business Administration:
  - Health Care Administration
  - Human Resources
  - Management
  - Management Information Systems
  - Marketing
- Bachelor of Science in Criminal Science:
  - Crime Analysis
  - Criminal Justice Administration
  - Rehabilitative Services
- Bachelor of Science in Human Services
- Bachelor of Science in Industrial and Manufacturing Engineering
- Bachelor of Arts in Information Systems
- Bachelor of Science in Organizational Leadership
- Bachelor of Science in Psychology

The specific course requirements for each degree are outlined on the following pages.

Associate of Science in Accounting

An Associate of Science in Accounting prepares students to perform junior level accounting jobs such as bookkeeping, accounts payable, accounts receivable, payroll, and inventory tracking and analysis. Students are also prepared to continue the pursuit of a Bachelor of Science in Accounting. The accounting degree program uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Business Administration

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
BA 2850	Managing in a Legal Environment	3

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2025	Statistical Problem-Solving	3

Accounting & Information Systems

ACC 1010	Accounting Principles	3
ACC 2140	Managerial Accounting	3
*ACC 2300	Intermediate Accounting I	3
*ACC 2320	Intermediate Accounting II	3
*ACC 2340	Intermediate Accounting III	3
*ACC 2430	Cost Accounting I	3
*ACC 2440	Cost Accounting II	3
MIS 1300	Software Tools	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Humanities & Social Sciences

HUM	Electives	3
PSY 1700	Introduction to Psychology	3
ECON 2200	Macroeconomics	3
ECON 2210	Microeconomics	3

Total Credits **63**

*** Students may test out by placement exam. Credits do not count toward degree.*

Associate of Science in Business Administration — Management

The Associate of Science in Business Administration with a concentration in management prepares students for positions such as a team leader, supervisor trainee, or a staff person in a variety of business functions such as marketing and sales, human resources, or operations. Students also are prepared to continue the pursuit of a Bachelor of Science in Business Administration.

Business Administration

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
BA 2020	Operations Management	3
BA 2410	Human Resource Management	3
BA 2430	International Management	3
BA 2500	Marketing	3
BA 2850	Managing in a Legal Environment	3

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2025	Statistical Problem-Solving	3

Accounting & Information Systems

ACC 1010	Accounting Principles	3
ACC 2140	Managerial Accounting	3
MIS 1300	Software Tools	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Humanities & Social Sciences

HUM	Electives	3
PSY 1700	Introduction to Psychology	3

Approved Electives **9**

Total Credits **63**

*** Students may test out by placement exam. Credits do not count toward degree.*

Associate of Science in Business Administration — Production Management

The Associate of Science in Business Administration with a production management concentration prepares students for production support positions in any manufacturing firm. Students also are prepared to continue in pursuit of a Bachelor of Science in Business Administration.

Business Administration

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
BA 2020	Operations Management	3
BA 2600	Occupational Safety and Health	3
BA 2700	Organizational Behavior	3
BA 3110	Project Management I	3

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2025	Statistical Problem-Solving	3

Accounting & Information Systems

ACC 1010	Accounting Principles	3
ACC 2140	Managerial Accounting	3
MIS 1300	Software Tools	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Humanities & Social Sciences

ECON 2200	Macroeconomics	3
ECON 2210	Microeconomics	3
HUM	Electives	3
PSY 1700	Introduction to Psychology	3

Approved Electives **6**

Total Credits **63**

*** Students may test out by placement exam. Credits do not count toward degree.*

Associate of Science in Criminal Justice

An associate degree satisfies the entry-level education requirement at many law enforcement agencies. The program uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Criminal Justice

CJ 1100	Introduction to the Criminal Justice System	3
*CJ 1300	Police in America	3
*CJ 1400	Corrections in America	3
*CJ 2300	Substantive Criminal Law	3
*CJ 2400	Understanding Procedural Law	3
*CJ 2500	Basics of Criminal Investigation	3
*CJ 2600	Laws of Evidence	3
*CJ 3100	A System of Juvenile Justice	3
*CJ 3200	Understanding Criminal Behavior	3

Business and Technology

BA 1200	Foundations of Business	3
MIS 1300	Software Tools	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3

Humanities, Psychology, and Social Sciences

PSY 1700	Introduction to Psychology	3
PSY 2520	Abnormal Psychology	3
SS 2800	Introduction to Sociology	3

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3

Approved Electives **6**

Total Credits **60**

*** Students may test out by placement exam. Credits do not count toward degree.*

Associate of Science in General Studies

The associate degree in general studies is structured to offer students a broad, general base upon which to build. This curriculum is designed to serve the student who is seeking a two-year degree with a course of study that can be customized to personal or career objectives as well as the student who is undecided in his or her career objectives. Students who plan to continue for a bachelor's degree should consult with their academic advisor regarding the most appropriate choice of electives.

Math & Technology

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MIS 1300	Software Tools	3

English

ENG 1100	Introduction to College Writing	3 **
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Humanities & Social Sciences

HUM 2000	Introduction to Humanities	3
PSY 1700	Introduction to Psychology	3

Electives

Approved	Electives	27
HUM	Electives (3 credits must be literature)	6
SS	Electives	6

Total Credits **63**

** *Students may test out by placement exam. Credits do not count toward degree.*

Associate of Science in Health Information Technology

Health information technology (HIT) supports patient care by providing data to medical staff at the point of care and by giving administrative support in areas such as finance and practice management. This field is ideal for individuals who wish to work in the dynamic healthcare industry but not directly in patient care.

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Health Care Administration

HCA 1100	Intro. to Health Care Administration	3

Health Information Technology

HIT 1100	Medical Terminology	3
HIT 1200	Health Information Technology & Systems	3
HIT 1300	Medical Coding	3
HIT 1400	Advanced Coding	3
HIT 2000	Health Data Management I	3
HIT 2100	Health Data Management II	3
HIT 2200	Health Data Privacy & Security	3
HIT 2400	Health Information Technology Project Management	3
HIT 2600	Health Information Technology Field Experience	3

Math & Computer Science

CS 1250	Problem Solving for Programmers	3
MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem Solving	3
MIS 1300	Software Tools	3
MIS 3100	Database Management	3

Biology

BIO 1110	Anatomy & Physiology	3
BIO 1210	Human Disease & Pharmacology	3

Total Credits.....60

** *Students may test out by placement exam. Credits do not count toward degree.*

Associate of Science in Industrial and Manufacturing Engineering

The Associate of Science in Industrial and Manufacturing Engineering prepares students for positions such as industrial engineer, quality engineer, manufacturing engineer, or environmental health and safety engineer. The IME degree program uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Business Administration

BA 1200	Foundations of Business	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3

Humanities and Social Sciences

ECON 2200	Macroeconomics	3
HUM	Elective	3

Math & Science

*CH 1000	Fundamentals of Chemistry	3
*MA 1035	College Algebra	3
*MA 1060	Trigonometry	3
*MA 1100	Applied Calculus	3
*PH 1100	Fundamentals of Physics	3

Engineering

*EGR 1710	Graphics and Design	3
*EGR 2000	Engineering Communication	3
*EGR 2650	Manufacturing Processes	3
*EGR 3430	Applied Probability and Statistics	3
*IME 2010	Safety Engineering	3
*IME 2020	Work Design	3
*IME 2110	Quality Control I	3
*IME 3020	Computer Sim. of Mfg. Processes	3
*IME 4020	Lean Manufacturing	3
*IME 4300	Integrated Resource Management	3

Total Credits **60**

* **Students may test out by placement exam. Credits do not count toward degree.*

Bachelor of Science in Accounting

A Bachelor of Science in Accounting prepares the student to perform senior level accounting jobs that include financial accounting activities, cost accounting, auditing, and tax work. The accounting degree program uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Business Administration

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
BA 2200	Personal Finance	3
BA 2410	Human Resource Management	3
BA 2500	Marketing	3
BA 2700	Organizational Behavior	3
BA 2850	Managing in a Legal Environment	3
BA 3200	Business Ethics	3
BA 4910	Business Policy & Strategic Planning	3
FIN 3600	Corporate Finance	3

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2025	Statistical Problem-Solving	3

Accounting & Information Systems

ACC 1010	Accounting Principles	3
ACC 2140	Managerial Accounting	3
*ACC 2300	Intermediate Accounting I	3
*ACC 2320	Intermediate Accounting II	3
*ACC 2340	Intermediate Accounting III	3
*ACC 2430	Cost Accounting I	3
*ACC 2440	Cost Accounting II	3
*ACC 2500	Individual Income Tax	3
*ACC 3300	Auditing	3
*ACC 3500	Corporate Income Tax	3
*ACC 4700	Advanced Accounting I	3
*ACC 4740	Advanced Accounting II	3
MIS 1300	Software Tools	3

Students pursuing a bachelor's degree in accounting are eligible to apply to our MBA 4+1 program after completing 75 undergraduate credits. Please visit www.IndianaTech.edu/CPS for more information.

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Humanities & Social Sciences

ECON 2200	Macroeconomics	3
ECON 2210	Microeconomics	3
HUM	Electives (3 credits must be literature)	9
PSY 1700	Introduction to Psychology	3
One of the two following courses		3
SS 2720	Group Dynamics	
SS 2800	Introduction to Sociology	

Science

One of the two following courses		3
BIO 1000	Introductory Biology	
SCI 2000	Contemporary Issues in Science	

Approved Electives **12**

Total Credit Hours **123**

** *Students may test out by placement exam. Credits do not count toward degree.*

Bachelor of Science in Business Administration — Health Care Administration

The business administration degree with a health care administration concentration is designed to prepare the student to apply business administration concepts and skills to the growing health care arena. The courses address the major management issues facing this rapidly changing field as well as the political and policy forces affecting the delivery of health care in the United States. The health care administration concentration uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Business Administration Core

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
BA 2200	Personal Finance	3
BA 2410	Human Resource Management	3
BA 2500	Marketing	3
BA 2700	Organizational Behavior	3
BA 2850	Managing in a Legal Environment	3
BA 3200	Business Ethics	3
BA 4910	Business Policy & Strategic Planning	3
FIN 3600	Corporate Finance	3

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2025	Statistical Problem-Solving	3

Accounting & Information Systems

ACC 1010	Accounting Principles	3
ACC 2140	Managerial Accounting	3
MIS 1300	Software Tools	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Students pursuing a bachelor's degree in business administration are eligible to apply to our MBA 4+1, MSOL 4+1, or MSM 4+1 programs after completing 75 undergraduate credits. Please visit www.IndianaTech.edu/CPS for more information.

Humanities & Social Sciences

ECON 2200	Macroeconomics	3
ECON 2210	Microeconomics	3
HUM	Electives (3 credits must be literature)	9
PSY 1700	Introduction to Psychology	3
One of the two following courses		3
SS 2720	Group Dynamics	
SS 2800	Introduction to Sociology	

Health Care Administration

HCA 1100	Introduction to Health Care Administration	3
*HCA 2100	Legal Aspects of Health Care Administration	3
*HCA 3100	Finance of Health Care Administration	3
*HCA 3200	Health Care Policy	3
*HCA 4100	Managed Care & Medical Group Practice	3
*HCA 4200	Long Term Care Administration	3
*HIT 1100	Medical Terminology	3

Science

One of the two following courses		3
BIO 1000	Introductory Biology	
SCI 2000	Contemporary Issues in Science	

Approved Electives **21**

Total Credits **123**

** *Students may test out by placement exam. Credits do not count toward degree.*

Bachelor of Science in Business Administration — Human Resources

The human resources concentration provides practical knowledge of the major areas of human resource management that can be readily applied across industries. The human resource curriculum is augmented with other business courses to give students a well-rounded knowledge of business.

Business Administration Core

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
BA 2200	Personal Finance	3
BA 2410	Human Resource Management	3
BA 2500	Marketing	3
BA 2700	Organizational Behavior	3
BA 2850	Managing in a Legal Environment	3
BA 3200	Business Ethics	3
BA 4910	Business Policy & Strategic Planning	3
FIN 3600	Corporate Finance	3

Human Resources Concentration

BA 2600	Occupational Safety and Health	3
BA 3650	Compensation Management	3
BA 3800	Labor Relations	3
BA 4700	Training and Development	3
PSY 2510	Theories of Counseling	3

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2025	Statistical Problem-Solving	3

Accounting & Information Systems

ACC 1010	Accounting Principles	3
ACC 2140	Managerial Accounting	3
MIS 1300	Software Tools	3

Students pursuing a bachelor's degree in business administration are eligible to apply to our MBA 4+1, MSOL 4+1, or MSM 4+1 programs after completing 75 undergraduate credits. Please visit www.IndianaTech.edu/CPS for more information.

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Humanities & Social Sciences

ECON 2200	Macroeconomics	3
ECON 2210	Microeconomics	3
HUM	Electives (3 credits must be literature)	9
PSY 1700	Introduction to Psychology	3
One of the two following courses		3
SS 2720	Group Dynamics	
SS 2800	Introduction to Sociology	

Science

One of the two following courses		3
BIO 1000	Introductory Biology	
SCI 2000	Contemporary Issues in Science	

Approved Electives **27**

Total Credits **123**

** *Students may test out by placement exam. Credits do not count toward degree.*

Bachelor of Science in Business Administration — Management

The Bachelor of Science in Business Administration with a management concentration prepares students to succeed as a staff specialist, entry-level manager, or middle manager in most any business environment. This includes positions in a wide variety of business and industrial settings, and such functions as operations, marketing, human resources, and general management.

Business Administration

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
BA 2200	Personal Finance	3
BA 2410	Human Resource Management	3
BA 2500	Marketing	3
BA 2700	Organizational Behavior	3
BA 2850	Managing in a Legal Environment	3
BA 3200	Business Ethics	3
BA 4910	Business Policy & Strategic Planning	3
FIN 3600	Corporate Finance	3

Management Concentration

BA 2430	International Management	3
BA 4010	Quality Management.	3
Choose one of the two following courses		3
BA 2020	Operations Management	
BA 3110	Project Management I	

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2025	Statistical Problem-Solving	3

Students pursuing a bachelor's degree in business administration are eligible to apply to our MBA 4+1, MSOL 4+1, or MSM 4+1 programs after completing 75 undergraduate credits. Please visit www.IndianaTech.edu/CPS for more information.

Accounting & Information Systems

ACC 1010	Accounting Principles	3
ACC 2140	Managerial Accounting	3
MIS 1300	Software Tools	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Humanities & Social Sciences

ECON 2200	Macroeconomics	3
ECON 2210	Microeconomics	3
HUM	Electives (3 credits must be literature)	9
PSY 1700	Introduction to Psychology	3
One of the two following courses		3
SS 2720	Group Dynamics	
SS 2800	Introduction to Sociology	

Science

One of the two following courses		3
BIO 1000	Introductory Biology	
SCI 2000	Contemporary Issues in Science	

Approved Electives **33**

Total Credits **123**

** *Students may test out by placement exam. Credits do not count toward degree.*

Bachelor of Science in Business Administration — Management Information Systems

The MIS concentration is a combination of computer and management courses designed to develop a proficiency in the application of information technology to support business processes. Possible career options for MIS graduates include: systems analyst, chief information officer (CIO), chief technology officer (CTO), applications developer, technology manager, and project manager. The MIS concentration uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Business Administration

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
BA 2200	Personal Finance	3
BA 2410	Human Resource Management	3
BA 2500	Marketing	3
BA 2700	Organizational Behavior	3
BA 2850	Managing in a Legal Environment	3
BA 3200	Business Ethics	3
BA 4910	Business Policy & Strategic Planning	3
FIN 3600	Corporate Finance	3

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2025	Statistical Problem-Solving	3

Accounting

ACC 1010	Accounting Principles	3
ACC 2140	Managerial Accounting	3

MIS

MIS 1300	Software Tools	3
*MIS 1500	Computer Systems & Hardware	3
*MIS 2100	Networking & Infrastructure	3
*MIS 2150	Component Analysis & Design	3
*MIS 3000	Programming & Logic	3
*MIS 3100	Database Management	3

Students pursuing a bachelor's degree in business administration are eligible to apply to our MBA 4+1, MSOL 4+1, or MSM 4+1 programs after completing 75 undergraduate credits. Please visit www.IndianaTech.edu/CPS for more information.

*MIS 3150	Database Application Development	3
*MIS 3200	Web Applications & the Internet	3
*MIS 4000	Enterprise Resource Planning	3
*MIS 4200	Systems Analysis & Design	3
*MIS 4400	MIS Project Management	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Humanities & Social Sciences

HUM	Electives (3 credits must be literature)	9
PSY 1700	Introduction to Psychology	3
ECON 2200	Macroeconomics	3
ECON 2210	Microeconomics	3
One of the two following courses		3
SS 2720	Group Dynamics	
SS 2800	Introduction to Sociology	

Science

One of the two following courses		3
BIO 1000	Introductory Biology	
SCI 2000	Contemporary Issues in Science	

Approved Electives **12**

Total Credits **123**

** *Students may test out by placement exam. Credits do not count toward degree.*

Bachelor of Science in Business Administration — Marketing

The marketing concentration is designed to provide the student with a thorough understanding of all the areas that comprise the marketing arena. The graduate will be armed with practical knowledge that can be readily applied in this area of expertise across all industries. The marketing curriculum is augmented with other business courses to help round out the graduate's knowledge of business.

Business Administration Core

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
BA 2200	Personal Finance	3
BA 2410	Human Resource Management	3
BA 2500	Marketing	3
BA 2700	Organizational Behavior	3
BA 2850	Managing in a Legal Environment	3
BA 3200	Business Ethics	3
BA 4910	Business Policy & Strategic Planning	3
FIN 3600	Corporate Finance	3

Marketing Concentration

BA 2550	Personal Selling	3
BA 2800	E-Commerce	3
BA 3300	Marketing Research	3
BA 3500	Advertising	3
BA 3550	International Marketing	3
BA 4500	Purchasing	3

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2025	Statistical Problem-Solving	3

Accounting & Information Systems

ACC 1010	Accounting Principles	3
ACC 2140	Managerial Accounting	3
MIS 1300	Software Tools	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Students pursuing a bachelor's degree in business administration are eligible to apply to our MBA 4+1, MSOL 4+1, or MSM 4+1 programs after completing 75 undergraduate credits. Please visit www.IndianaTech.edu/CPS for more information.

Humanities & Social Sciences

ECON 2200	Macroeconomics	3
ECON 2210	Microeconomics	3
HUM	Electives (3 credits must be literature)	9
PSY 1700	Introduction to Psychology	3
One of the two following courses		3
SS 2720	Group Dynamics	
SS 2800	Introduction to Sociology	

Science

One of the two following courses		3
BIO 1000	Introductory Biology	
SCI 2000	Contemporary Issues in Science	

Approved Electives **24**

Total Credits **123**

** *Students may test out by placement exam. Credits do not count toward degree.*

Bachelor of Science in Criminal Justice — Crime Analysis

The bachelor's degree program has a core of criminal justice courses, but allows the student to specialize in crime analysis through a specialty of six additional criminal justice courses. The criminal justice degree uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Criminal Justice

CJ 1100	Intro. to the Criminal Justice System	3
*CJ 1300	The Police in America	3
*CJ 1400	Corrections in America	3
*CJ 2300	Substantive Criminal Law	3
*CJ 2400	Understanding Procedural Law	3
*CJ 2500	Criminal Investigation	3
*CJ 2600	Laws of Evidence	3
*CJ 3100	A System of Juvenile Justice	3
*CJ 3200	Understanding Criminal Behavior	3
*CJ 3300	Victimology	3
*CJ 3700	Ethics and Cultural Diversity in Criminal Justice	3

Crime Analysis Specialty

CJ 3520	Crime Scene Investigation	3
CJ 3620	Forensic Science and Criminalistics	3
CJ 4120	Death Investigation	3
CJ 4220	Criminal Profiling	3
CJ 4320	Fundamentals of Crime Analysis	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Business and Information Systems

BA 1200	Foundations of Business	3
MIS 1300	Software Tools	3

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2010	Foundations of Statistics	3

Humanities & Social Sciences

HUM 2000	Introduction to Humanities	3
PSY 1700	Introduction to Psychology	3
PSY 2520	Abnormal Psychology	3
SS 2800	Introduction to Sociology	3
SS 2810	Social Problems	3

Electives

Approved	Electives	18
HUM	Electives (3 credits must be literature)	6
PSY	Electives	6
Science	Electives	3

Total Credits **120**

** *Students may test out by placement exam. Credits do not count toward degree.*

Bachelor of Science in Criminal Justice — Criminal Justice Administration

The bachelor's degree program has a core of criminal justice courses, but allows the student to specialize in criminal justice administration through a specialty of six additional criminal justice courses. The criminal justice degree uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Criminal Justice

CJ 1100	Intro. to the Criminal Justice System	3
*CJ 1300	The Police in America	3
*CJ 1400	Corrections in America	3
*CJ 2300	Substantive Criminal Law	3
*CJ 2400	Understanding Procedural Law	3
*CJ 2500	Criminal Investigation	3
*CJ 2600	Laws of Evidence	3
*CJ 3100	A System of Juvenile Justice	3
*CJ 3200	Understanding Criminal Behavior	3
*CJ 3300	Victimology	3
*CJ 3700	Ethics and Cultural Diversity in CJ	3

Criminal Justice Administration Specialty

BA 2010	Principles of Management	3
BA 2700	Organizational Behavior	3
CJ 3510	Community & Problem-Oriented Policing	3
CJ 4110	Law Enforcement Planning Process	3
CJ 4210	Police Organization & Management	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Business and Information Systems

BA 1200	Foundations of Business	3
MIS 1300	Software Tools	3

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2010	Foundations of Statistics	3

Humanities & Social Sciences

HUM 2000	Introduction to Humanities	3
PSY 1700	Introduction to Psychology	3
PSY 2520	Abnormal Psychology	3
SS 2800	Introduction to Sociology	3
SS 2810	Social Problems	3

Electives

Approved	Electives	18
HUM	Electives (3 credits must be literature)	6
PSY	Electives	6
Science	Electives	3

Total Credits..... 120

*** Students may test out by placement exam. Credits do not count toward degree.*

Bachelor of Science in Criminal Justice — Rehabilitative Services

The bachelor's degree program has a core of criminal justice courses, but allows the student to specialize in rehabilitative services through a specialty of six additional criminal justice courses. The criminal justice degree uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Criminal Justice

CJ 1100	Intro. to the Criminal Justice System	3
*CJ 1300	The Police in America	3
*CJ 1400	Corrections in America	3
*CJ 2300	Substantive Criminal Law	3
*CJ 2400	Understanding Procedural Law	3
*CJ 2500	Criminal Investigation	3
*CJ 2600	Laws of Evidence	3
*CJ 3100	A System of Juvenile Justice	3
*CJ 3200	Understanding Criminal Behavior	3
*CJ 3300	Victimology	3
*CJ 3700	Ethics and Cultural Diversity in CJ	3

Rehabilitative Services Specialty

CJ 3530	Restorative Justice	3
CJ 4130	Probation & Parole Services & Care	3
CJ 4230	Corrections Counseling	3
PSY 2510	Theories of Counseling	3
PSY 3770	Assessment in Psychology	3

English

ENG 1100	Introduction to College Writing**	3
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Business and Information Systems

BA 1200	Foundations of Business	3
MIS 1300	Software Tools	3

Math

MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2010	Foundations of Statistics	3

Humanities & Social Sciences

HUM 2000	Introduction to Humanities	3
PSY 1700	Introduction to Psychology	3
PSY 2520	Abnormal Psychology	3
SS 2800	Introduction to Sociology	3
SS 2810	Social Problems	3

Electives

Approved	Electives	18
HUM	Electives (3 credits must be literature)	6
PSY	Electives	6
Science	Electives	3

Total Credits **120**

*** Students may test out by placement exam. Credits do not count toward degree.*

Bachelor of Science in Human Services

Human services is an ideal degree choice for students who are interested in a career helping others. The program provides an orientation to social agency administration with a management background. The human services degree uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Business Administration

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
BA 2410	Human Resource Management	3
BA 2700	Organizational Behavior	3
BA 2850	Managing in a Legal Environment	3

English

ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3
ENG 2400	Grantwriting	3

Math, Science & Computer Studies

BIO 1110	Anatomy & Physiology	3
MA 1000	Foundations of College Mathematics	3
MA 1025	Mathematical Problem Solving	3
MA 2010	Foundations of Statistics	3
MIS 1300	Software Tools	3

Humanities & Social Sciences

HUM 2000	Introduction to Humanities	3
HUM 3710	Ethics	3
PSY 1700	Introduction to Psychology	3
*PSY 1750	Human Growth & Development	3
PSY 2000	Understanding Diversity	3
PSY 2510	Theories of Counseling	3
PSY 2520	Abnormal Psychology	3
PSY 2760	Theories of Personality	3
PSY 2780	Social Psychology	3
PSY 3730	Aging	3
PSY 3750	Interview Strategies for Helpers	3
*PSY 3770	Assessment in Psychology	3
PSY 4520	Advanced Abnormal Psychology	3
SS 1110	American Government	3
SS 2720	Group Dynamics	3
SS 2800	Introduction to Sociology	3

*SS 2810	Social Problems	3
SS 2820	Marriage & the Family	3
SS 2900	Community & Social Movements	3

Human Services

HS 1200	Introduction to Human Services	3
*HS 1500	Helping Relationships	3
*HS 2000	Human Services Programming	3
HS 2600	Human Services Field Experience	3
HS 4950	Human Services Internship	3

Electives

HUM	Literature Elective	3
Approved	Elective	3

total credits required: 120

Bachelor of Science in Industrial and Manufacturing Engineering (IME)

The IME education opens up three paths after graduation: industry, graduate school in engineering, and/or graduate school in business. The bachelor's degree prepares you for positions such as industrial engineer, quality engineer, manufacturing engineer, or environmental health and safety engineer. The industrial and manufacturing degree uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Business Administration

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
OL 3400	Financial Systems for Decision-Making	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3

Humanities and Social Sciences

ECON 2200	Macroeconomics	3
HUM	Electives (3 credits must be literature)	9
PSY 1700	Introduction to Psychology	3
One of the two following courses		3
SS 2720	Group Dynamics	
SS 2800	Introduction to Sociology	

Math & Science

*CH 1000	Fundamentals of Chemistry	3
*CS 1250	Problem Solving for Programmers	3
*MA 1035	College Algebra	3
*MA 1060	Trigonometry	3
*MA 1100	Applied Calculus	3
*MA 1110	Applied Calculus II	3
*PH 1100	Fundamentals of Physics	3
*PH 2100	Fundamentals of Physics II	3

Engineering

*EGR 1710	Graphics and Design	3
*EGR 2000	Engineering Communication	3
*EGR 2600	Materials Science	3
*EGR 2650	Manufacturing Processes	3
*EGR 3430	Applied Probability and Statistics	3
*EGR 3600	CAD I – Parametric Modeling	3
*EGR 4400	Professional Practice I	3
*EM 2030	Statics and Dynamics	3
*IME 2010	Safety Engineering	3
*IME 2020	Work Design	3
*IME 2110	Quality Control I	3
*IME 3020	Computer Simulation of Manufacturing Processes	3
*IME 3040	Computer Integrated Manufacturing	4
*IME 3060	Adv. Computer Integrated Manufacturing	3
*IME 3110	Quality Control II	3
*IME 3120	Design of Experiments	3
*IME 4020	Lean Manufacturing	3
*IME 4110	Total Quality Management	3
*IME 4300	Integrated Resource Management	3
*IME 4950	IME Internship or Elective (Approved)	3
*IME 4975	IME Senior Project	4

Total Credits.....122

* *Students may test out by placement exam. Credits do not count toward degree.

Bachelor of Arts in Information Systems

The information systems degree program includes the application, implementation, and management of information systems. Both existing and emerging technologies are emphasized in this program. Depending upon the student's choice of elective courses, the graduate may be employed in information technology support, information marketing, web development, information security, financial management, technology related sales, or any other information systems business area. The information systems degree uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Business Administration

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
BA 2500	Marketing	3
BA 2800	E-Commerce	3
OL 3400	Financial Systems for Decision-Making	3

Math & Science

MA 1035	College Algebra	3
MA 2025	Statistical Problem-Solving	3
SCI 2000	Contemporary Issues in Science	3

Information Systems

*CS 1250	Problem-Solving for Programmers	3
*CS 2500	Database Systems	3
*IS 1300	Programming I	3
*IS 2100	Internet Programming	3
*IS 2200	Developing Business Solutions	3
*IS 2300	Programming II	3
*IS 2900	Web Applications	3
*IS 3100	Information Security	3
*IS 4100	Systems Analysis and Design	3
*IS 4600	Disaster Recovery	3
*IS 4800	Technical Project Management	3
MIS 1300	Software Tools	3
*NET 1100	Introduction to Networking	3

English

ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Humanities & Social Sciences

ECON 2200	Macroeconomics	3
ECON 2210	Microeconomics	3
HUM 2000	Introduction to Humanities	3
HUM 3710	Ethics	3
HUM	Electives (3 credits must be literature)	6
PSY 1700	Introduction to Psychology	3
SS 2800	Introduction to Sociology	3

Approved Electives 24

Total Credits..... 120

Bachelor of Science in Organizational Leadership

The organizational leadership program provides students with the leadership competencies needed for middle management success in a variety of job families and functions. To fully develop the leadership skills of students, the program focuses on four key competency areas: operations and administrative competencies; human relations and interpersonal competencies; decision-making and critical thinking competencies; and communication competencies. The organizational leadership degree uses the TEAM approach described on Page 6. Courses marked with an asterisk (*) require TEAM enrollment.

Operations & Administrative Competencies

BA 1200	Foundations of Business	3
BA 2010	Principles of Management	3
BA 2200	Personal Finance	3
BA 2410	Human Resource Management	3
BA 2850	Managing in a Legal Environment	3
BA 3110	Project Management	3
MIS 1300	Software Tools	3

Human Relations & Interpersonal Competencies

BA 2700	Organizational Behavior	3
BA 3710	Leadership	3
*OL 3000	Employee Development	3
PSY 2000	Understanding Diversity	3
SS 2850	Conflict Resolution	3

Decision-Making & Critical Thinking Competencies

BA 3200	Business Ethics	3
*OL 3200	Managing Organizational Change & Continuous Improvement	3
*OL 3300	Quantitative Decision Making	3
*OL 3400	Financial Systems for Decision-Making	3
*OL 4000	Strategic Planning	3
*OL 4100	Qualitative Decision Making	3
*OL 4900	Organizational Leadership Capstone	3

Students pursuing a bachelor's degree in organizational leadership are eligible to apply to our MSOL 4+1 or MSM 4+1 programs after completing 75 undergraduate credits. Please visit www.IndianaTech.edu/CPS for more information.

Communication Competencies

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communication	3

Humanities & Social Sciences

HUM	Electives (3 credits must be literature)	9
PSY 1700	Introduction to Psychology	3
SS 2800	Introduction to Sociology	3
ECON/PSY/SS	Electives	3

Math & Sciences

MA 1000	Foundations of College Math	3
MA 2010	Foundations of Statistics	3
One of the two following courses		3
BIO 1000	Introductory Biology	
SCI 2000	Contemporary Issues in Science	

Approved Electives **27**

Total Credits **120**

**Students must complete at least 45 credit hours, including ENG 1250 and BA 2700, before enrolling in the organizational leadership TEAM.*

** *Students may test out by placement exam. Credits do not count toward degree.*

Bachelor of Science in Psychology

The curriculum also includes course requirements appropriate for students interested in further graduate study and research. Graduates holding this degree may choose a career in many fields including human services, human resource development, sales, law enforcement, market research, child care, counseling, and residential care for elderly or developmentally impaired persons.

Business Administration

BA 1200	Introduction to Business	3
BA 2010	Principles of Management	3
BA 2700	Organizational Behavior	3

English

ENG 1100	Introduction to College Writing	3**
ENG 1250	English Composition I	3
ENG 1270	English Composition II	3
ENG 2320	Professional Communications	3

Math, Science & Information Systems

BIO 1110	Anatomy & Physiology	3
MA 1000	Foundations of College Math	3
MA 1025	Mathematical Problem-Solving	3
MA 2025	Statistical Problem-Solving	3
MIS 1300	Software Tools	3

Humanities & Social Sciences

CJ 1100	Introduction to the Criminal Justice System	3
HUM 2000	Introduction to Humanities	3
HUM 3710	Ethics	3
SS 2720	Group Dynamics	3
SS 2800	Introduction to Sociology	3
SS 2810	Social Problems	3

Psychology

PSY 1700	Introduction to Psychology	3
PSY 1750	Human Growth and Development	3
PSY 2000	Understanding Diversity	3
PSY 2510	Theories of Counseling	3
PSY 2520	Abnormal Psychology	3
PSY 2760	Theories of Personality	3
PSY 2780	Social Psychology	3
PSY 3510	Bio-Psychology	3
PSY 3520	Applied Psychology	3
PSY 3730	Aging	3
PSY 3750	Interview Strategies for Helpers	3
PSY 3770	Assessment in Psychology	3
PSY 3780	Research & Statistics in Psychology	3
PSY 4200	Senior Seminar in Psychology	3
PSY 4510	Learning & Cognition	3
PSY 4520	Advanced Abnormal Psychology	3

Electives

Approved	Electives	12
HUM	Literature Elective	3
PSY	4530 or 4540	3
ECON/SS	Electives	3

Total Credits **120**

** *Students may test out by placement exam. Credits do not count toward degree.*

Academic Information

Admissions Requirements

The Accelerated Degree Program is designed to serve the working adult student. The assumption of the university is that by working for a period of time prior to the pursuit of a college degree, the student will have attained considerable knowledge, maturity, and discipline not found in younger students. These characteristics are deemed essential for successful completion of the degree program and therefore are incorporated into the admissions requirements for the Accelerated Degree Program. Distance education programs, both online and Independent Study, have no age restrictions for admissions.

Admission to the College of Professional Studies requires the following:

- Students must be 23 or older with three years of work experience. (Applies only for the Accelerated Degree Program. There is no minimum age requirement for distance education programs.)
- Completion of the Application for Admission along with the application fee

Credit for Prior Learning

Students may receive credit for prior learning, work training and other previous college credit through our Prior Learning Portfolio program. Indiana Tech has partnered with the Council for Adult and Experiential Learning (CAEL) Learning Counts program to offer this opportunity to our students. Please see the course description for CAEL 1000 Prior Learning Assessment for more information.

Standardized Tests

The College-Level Examination Program (CLEP) and the DSST (formerly DANTES) program allow you to demonstrate your knowledge by taking an exam. You can earn credit for what you've learned through self-study, advanced high school courses, non-credit adult courses, or professional development. For more information, contact the campus nearest you.

Transfer Credit

Transfer credit may be granted for courses completed with grades of "C" or higher at other regionally accredited colleges or universities. Courses completed at unaccredited institutions or programs will be reviewed on an individual basis by the Registrar's Office, and credit may be granted if evaluation of the institution and the courses indicates that such credit is appropriate.

Transfer credit from accredited colleges or universities will be considered for curriculum-related course work with grades of "C" or better. An official transcript is required. Students also may be required to submit college catalogs, course descriptions, or course syllabi to aid in the university's decision on whether to grant credit.

No more than 30 credit hours can be transferred from non-regionally accredited schools for an associate degree candidate. No more than 60 credit hours can be transferred from non-regionally accredited schools for a bachelor's degree candidate.

If students wish to have previous university-level course work from international studies evaluated for transfer credit, they must have a course-by-course evaluation report completed by one of the following services:

- Global Credential Evaluators, Inc.
  P.O. Box 36
  28 Westhampton Way
  Richmond, VA 23173
  (804) 639-3660
  www.gcevaluators.com
- Educational Credential Evaluators, Inc.
  P.O. Box 514070
  Milwaukee, WI 43203
  (414) 289-3400
  www.ece.org
- World Education Services, Inc.
  P.O. Box 745
  Old Chelsea Station
  New York, NY 10113-0745
  (212) 966-6311
  www.wes.org
- American Association of Collegiate Registrars and Admissions Officers (AACRAO)
  International Education Services

One Dupont Circle, NW, Suite 520
Washington, D.C. 20036-1135
(202) 296-3359
www.aacrao.org

Graduation Requirements

To qualify for graduation from Indiana Tech, you must successfully complete:

- All necessary credits required for the degree. Bachelor's degrees require a minimum of 30 credits earned at Indiana Tech. At least 21 of the 30 credits must be among the last credits completed by the student before graduation. Associate degrees require 15 credits earned at Indiana Tech, with at least 9 of the 15 being among the last credits completed before graduation. Individual exceptions to the policy can be made only with written approval by the vice president of academic affairs.
- Required courses in all areas of major study with a minimum cumulative grade point average of 2.0
- All courses, required and elected, at an overall minimum cumulative grade point average of 2.0
- All financial obligations to the university

UNDERGRADUATE COURSE DESCRIPTIONS

All courses are 3 credits unless otherwise noted. Courses marked with an asterisk (*) are available through Independent Study.

The courses described below are listed in numerical order by discipline.

ACCOUNTING

ACC 1010 Accounting Principles
Prerequisite: MA 1000 with grade C or better.
An introduction to the principles of accounting. The complete accounting cycle is studied for a sole proprietorship. Specifically included are preparation of journal entries, worksheets, financial statements, and a more detailed look at cash, receivables, and fixed assets. 3 credits. (3 plus 0)

ACC 2140 Managerial Accounting
Prerequisites: ACC 1010 with grade C or better.
Accounting as a decision-making tool with an emphasis on manufacturing enterprises. Decision-making in management is studied along with management reports and financial statement analysis. Specifically included are production costs, breakeven analysis, budgeting, variances, and differential analysis. 3 credits. (3 plus 0)

ACC 2300 Intermediate Accounting I
Prerequisites: ACC 2140; MA 1025 with grade C or better; MIS 1300. CPS students only.
A detailed study of financial reporting concepts focusing on financial statements and related disclosures. Asset valuation and income measurement are studied extensively, concentrating on cash, receivables, inventories; property, plant and equipment; depreciation, depletion and intangibles. Additional topics include a review of accounting systems and financial statement reporting requirements. 3 credits. (3 plus 0)

ACC 2320 Intermediate Accounting II
Prerequisite: ACC 2300 with grade C or better. CPS students only.
A continuation of Intermediate Accounting I. The course is a detailed study of financial reporting concepts focusing on the valuation of liabilities and investments. The reporting of stockholders' equity is also studied, including such topics as contributed capital, earnings per share calculation, and retained earnings. 3 credits. (3 plus 0)

ACC 2340 Intermediate Accounting III
Prerequisite: ACC 2320 with grade C or better. CPS students only.
A continuation of Intermediate Accounting I and II. The course covers a variety of special topics including: income measurement, measurement of net assets, accounting for income taxes, post-employment benefits, leases, and Statement of Cash Flow. 3 credits. (3 plus 0)

ACC 2430 Cost Accounting I

Prerequisites: ACC 2140 with grade C or better. CPS students only.

An introduction to cost management systems. Topics include job order, process, and activity based cost accounting. Cost allocation for joint products and by-products is also covered. 3 credits. (3 plus 0)

ACC 2440 Cost Accounting II

Prerequisite: ACC 2430 with C or better. CPS students only.

A continuation of Cost Accounting I. Topics include standard costing and variance analysis, relevance costing for outsourcing decisions, responsibility accounting, and capital budgeting. 3 credits. (3 plus 0)

ACC 2500 Individual Income Tax

Prerequisites: ACC 2140 with grade C or better; junior standing.

A study of the concepts of individual taxation and extensive practice in filling out individual Form 1040 and back-up forms. Also included is an introductory study of Partnership Taxation and the filling out of Partnership Form 1065. The concept of tax planning is stressed in every area. 3 credits. (3 plus 0)

ACC 3300 Auditing

Prerequisite: ACC 2240 or ACC 2340 with C or better.

A theory course in auditing which considers the necessary procedures in an audit, purposes for which audits are made, internal control standards, generally accepted auditing standards, fraud and its detection, independence of the CPA, and presentation of the audit report by the CPA. 3 credits. (3 plus 0)

ACC 3500 Corporate Income Tax

Prerequisite: ACC 2500 with C or better.

A study of the concepts of corporation income taxes. Dividend distribution as controlled by earnings and profits is stressed. A detailed study of tax-option (Sub Chapter S Corporations, LLCs and LLPs) is included. 3 credits. (3 plus 0)

ACC 4700 Advanced Accounting I

Prerequisite: ACC 2240 or ACC 2340 with grade C or better.

A study of selected accounting subjects and theory at the advanced level. Topics include business combinations and consolidations, EPS, multinational accounting, and partnership accounting. 3 credits. (3 plus 0)

ACC 4740 Advanced Accounting II

Prerequisite: ACC 4700 with grade C or better.

The capstone accounting course integrating intermediate, advanced, and taxation topics into a comprehensive learning experience via case analysis. Governmental, not-for-profit, and fiduciary accounting will also be introduced. 3 credits. (3 plus 0)

BIOLOGY

BIO 1000 Introductory Biology
A course focused on the basic ideas to enable students to appreciate the living world and their relationship to it. Course includes discussion of cellular and organism biology, genetics, evolution, ecology, and interaction among all living organisms. Lab required. 3 credits. (2 plus 1)

BIO 1110 Anatomy & Physiology
Introduction to concepts and processes in human anatomy and physiology. This course will focus on the structure and function of various cells, tissues, and organs of the human body. Special emphasis will be given to the skeletal, muscular, circulatory and respiratory systems. 3 credits. (3 plus 0)

BIO 1210 Human Disease & Basic Pharmacology
Prerequisite: BIO 1110.
This course covers the basics of general pharmacology and human disease for health information technology professionals; general principles of drug actions/reactions, major drug classes, specific agents within each class of drug, and routine mathematical calculation needed to determine desired dosages. For human disease the course will study common diseases of each body system, including disease etiology, symptoms, diagnostic tests, therapeutic methods, and disease prognoses. 3 credits. (3 plus 0)

BUSINESS ADMINISTRATION

BA 1200 Foundations of Business
This course provides an introduction to the core disciplines of the business program. Students will explore the internal business functions of marketing, management, human resource management, accounting, finance, and operations management. It is the first course in the business administration program. 3 credits. (3 plus 0)

BA 2010 Principles of Management
Prerequisites: BA 1200, ENG 1250 or concurrent enrollment.
The student is introduced to the concepts of management theory and practice in this course. A how-to approach for the student of such management functions as planning, organizing, directing, and controlling is presented. 3 credits. (3 plus 0)

BA 2020 Operations Management
Prerequisites: BA 2010; MA 1025.
Design of production systems. Topics include product and service design, location planning, capacity planning, design of facilities and work systems and lean manufacturing concepts. 3 credits. (3 plus 0)

BA 2200 Personal Finance

Prerequisites: MA 1000

A practical understanding of a personal financial plan and the decisions everyone is faced with throughout their lives. Establishing a financial plan, using credit and long-term loans, lease vs. buy decisions for autos and homes, insurance, and investment fundamentals. 3 credits. (3 plus 0)

BA 2410 Human Resource Management

Prerequisite: BA 2010.

Principles and policies followed by management in recruitment, development, direction, and control of personnel. Directed study in current legislation, trends and practices in personnel management. The course presents corporations as integrated units whose differences depend upon the people who work in them and the product efficiency of each unit. 3 credits. (3 plus 0)

BA 2430 International Management

Prerequisite: BA 2010.

The course is an in-depth study of the cultural, economic, political, sociological, and technological differences that exist between various global regions and countries of the world which have an influence on the growth and success of the multinational company. The course covers the planning, organizing, staffing, and managerial control process of the multinational corporation. 3 credits. (3 plus 0)

BA 2500 Marketing

Prerequisites: BA 1200, ENG 1250 or concurrent enrollment.

A general survey of the field of marketing, including its scope and significance, the market for consumer goods, the market for agricultural and industrial goods, marketing policies and practices, and government regulations in competition. 3 credits. (3 plus 0)

BA 2550 Personal Selling

Prerequisite: BA 2500.

The history and current status of personal selling, the various types of salesmanship and their requirements, sales personality development, product analysis, psychology of selling, and sales strategy. Emphasis will be placed on practical demonstration. 3 credits. (3 plus 0)

BA 2600 Occupational Safety & Health

Prerequisite: BA 2010.

The analysis, design, and implementation of safety programs in work settings. Emphasis is placed on developing an understanding of the economic, legal and social factors related to providing a safe and healthful working environment for various occupations. 3 credits. (3 plus 0)

BA 2700 Organizational Behavior

Prerequisite: BA 2010.

Human behavior in organizational settings. Directed study in business organization, and behavior and motivation in groups. Theoretical and experiential study in productivity tasks, communication, and environmental variables, power, leadership and development. 3 credits. (3 plus 0)

BA 2800 E-Commerce

Prerequisites: BA 2010; BA 2500.

This course will provide information about the transactions of goods and services using the World Wide Web. Topics will include product marketing, electronic orders and payments, order fulfillment, and customer service. Legal, privacy, and security issues and e-commerce trends also will be examined. 3 credits. (3 plus 0)

BA 2850 Managing in a Legal Environment

Prerequisite: BA 2010.

This course will present an overview of the legal environment from the perspective of the professional (non-legal) manager. The concentration for this course will be on the main sources of law, the major areas of common law that apply to managers, the major regulatory agencies that influence the management process, and the components of employment law. 3 credits. (3 plus 0)

BA 2990 Special Topics in Business

Prerequisite: Permission of the dean of the College of Business.

Directed study of a special body of subject matter in the field of business. This course may be repeated for additional credit. Variable credit.

BA 3110 Project Management

Prerequisites: BA 2010; MA 2025 or MA 2010.

A study of the models and practice of successful project completion including the management of financials, material resources, communications, and scheduling and tracking systems. Project planning techniques and systems are reviewed. 3 credits. (3 plus 0)

BA 3200 Business Ethics

Prerequisite: BA 2850.

A study of ethical theories and their implications in contemporary corporate philosophy and organizational decision making. Topics include establishing ethical codes of conduct, moral reasoning, and social responsibility. 3 credits. (3 plus 0)

BA 3300 Marketing Research & Decision Making

Prerequisites: BA 2500; MA 2025.

This course will focus on the development and functioning of marketing systems and

the formal tools of decision making. Collection techniques and the analysis of data, as viewed in management information systems, will be reviewed with actual applications and case studies. 3 credits. (3 plus 0)

BA 3500 Advertising

Prerequisite: BA 2500.

Consideration is given to the history of advertising, ethics of advertising, consumer makeup, social and psychological influences, the impact of advertising on demand for product and services, pricing, consumer choice, procedures of building actual ads, and media selection and campaigns. 3 credits. (3 plus 0)

BA 3550 International Marketing

Prerequisite: BA 2500.

An analysis of the legal, economic, cultural and political factors affecting multinational marketing provides the focus for this course. A specific examination of identifying opportunities in foreign markets and the problems of pricing, promoting, and distributing products in those markets. 3 credits. (3 plus 0)

BA 3560 Entrepreneurship

Prerequisites: ACC 2140; BA 2010; BA 2500.

A comprehensive review of business opportunities in a free enterprise system with emphasis on small business development. Includes research into the requirements to initiate a small business. 3 credits. (3 plus 0)

BA 3650 Compensation Management

Prerequisite: BA 2410.

This course will focus upon the planning and implementing of a total compensation system, including practical experience in job analysis, salary survey, and the development of a structured pay policy. An environmental study of the effects of compensation on behavior and legal implications of salary grades also will be included. 3 credits. (3 plus 0)

BA 3710 Leadership

Prerequisites: BA 2010; BA 2700 or SS 2720.

A study of the theory and practice of leadership. The history of leadership studies is reviewed along with current research trends and models. Leadership is compared and contrasted with management. Students assess, develop, and present a leadership model that best succeeds in their work/life environment. 3 credits. (3 plus 0)

BA 3800 Labor Relations

Prerequisite: BA 2410.

A study of union-management relations. It focuses on negotiations and administration of labor agreements with emphasis on the development and application of the more significant bargaining issues. It describes the transaction between two organizations: management and the labor union. 3 credits. (3 plus 0)

BA 4010 Quality Management

Prerequisites: BA 2010; MA 2025; junior standing.

A study of various quality control and assurance concepts and their integration into a comprehensive quality management system. Topics emphasized are total employee involvement and teamwork, continuous process analysis and improvement, and the importance of a company-wide focus on customer needs. 3 credits. (3 plus 0)

BA 4500 Purchasing

Prerequisite: BA 2500.

How materials, supplies, and equipment are evaluated for business consumption provides the basis of the course. A step-by-step analysis of the purchasing function from the purchase request to the decision to buy. Included are the principles of vendor evaluation, material management, and procurement. 3 credits. (3 plus 0)

BA 4700 Training & Development

Prerequisite: BA 2410.

Processes, methods, theories, and practices of training and development activities in business settings. Human resources development practices which facilitate learning and change to enhance organizational objectives. 3 credits. (3 plus 0)

BA 4800 Public Relations

Prerequisite: Junior standing.

Study of principles, cases, and problems to facilitate understanding of the philosophies, objectives, and techniques of public relations in companies, corporations, and institutions. An examination of relations with employees, stockholders, consumers, community, educational institutions, suppliers, dealers, and government. The tools of public relations are examined and applied to case problems. 3 credits. (3 plus 0)

BA 4820 Seminar in Human Resource Management

Prerequisites: BA 2410.

Capstone course offered only in summer sessions. Students will attend the National Convention for the Society of Human Resource Management. Globally related conference issues include sexual harassment, compensation planning, disabilities, flexible workplaces, global education, and legal perspectives. Provides opportunities for networking and to become professionally certified. Requires membership in SHRM. 3 credits. (3 plus 0)

BA 4910 Business Policy & Strategic Planning

Prerequisites: Senior standing; all business core courses.

This course will focus on strategic planning, environmental analysis, internal analysis, policy formulation, and control methods. Case studies will be used to examine short-term and long-range plans and their consequences. 3 credits. (3 plus 0)

BA 4990 Special Topics in Business
Prerequisite: Permission of the College of Business.
Directed study of a special body of subject matter in the field of business. This course may be repeated for additional credit. Variable credit.

CHEMISTRY

CH 1000 Fundamentals of Chemistry
Co-requisite: MA 1035.
Measurement and units; significant figures; matter and energy; atomic and molecular structure; formulas and equations; chemical bonding; stoichiometry; balancing equations; states of matter; solutions; acids; bases and salts. 3 credits. (3 plus 0)

COMMISSION ON ADULT AND EXPERIENTIAL LEARNING

CAEL 1000 Prior Learning Assessment
This course is the process of earning college credit for learning that was acquired from non-classroom experiences like work, professional training, military careers, volunteering, and personal life. CAEL 1000 will help students identify areas of learning they may want to have evaluated for college-level equivalency. The course will also guide students through the preparation and compilation of all components required for the evaluation of a portfolio of prior learning through LearningCounts.org. Students will use critical reflection skills to rethink the value of their learning and its implication for future learning. Adult learning theory, models, and concepts will be discussed and applied to case studies. CAEL 1000 is facilitated by an instructor who provides guidance for the student in preparing his or her portfolio-based request for credit. Successful completion of CAEL 1000 will result in a credit recommendation of three (3) lower-level credits for the course itself. 3 credits (online only)

COMPUTER SCIENCE

CS 1250 Problem Solving for Programmers
Introduction to the types of problems computer programmers encounter. Students will learn to apply a disciplined approach to problem solving. The value of teamwork is shown through group work. Topics studied include logical algorithm development, pseudocoding, selection and iteration logic, flowcharts, and outlines. Common software may be utilized in this course. (3 plus 0).

CS 2500 Database Systems

Prerequisite: IS 1300 or CS 1300.

Database management systems. Sequential storage devices. Physical characteristics of and data representation on random access storage devices. Inverted lists, multilist, indexed sequential, and hierarchical file structures. File I/O. Unscheduled laboratory. 3 credits. (3 plus 0)

CRIMINAL JUSTICE

CJ 1100 Introduction to the Criminal Justice System

A survey of the criminal justice system of the United States. The course will examine broad concepts that guide and direct the system of justice in contemporary society and explore the components of the system: the police, the courts and corrections. 3 credits. (3 plus 0)

CJ 1300 The Police in America

Prerequisite: CJ 1100.

An examination of the police as a component of the American criminal justice system. Beginning with an exploration of the historical evolution of the police, learners will explore contemporary issues and emerging challenges that face this important unit of social control in our nation. 3 credits. (3 plus 0)

CJ 1400 Corrections in America

Prerequisite: CJ 1100.

Beginning with a historical overview of the American criminal justice system, this class covers the rationale for punishment and the administration and operational aspects of prison and jail functions at the local, state and federal levels. Issues related to probation, parole, community corrections. 3 credits. (3 plus 0)

CJ 2300 Substantive Criminal Law

Prerequisite: CJ 1100.

The evolution of substantive law in America from its British and common-law traditions. The learner's examination of this topic will include the limitations and ambiguity of the substantive law. This course may utilize the Indiana Criminal Code as one model of substantive law and may be taught using the case study method. 3 credits. (3 plus 0)

CJ 2400 Understanding Procedural Law

Prerequisite: CJ 1100.

The development of an understanding of the application of the substantive law from a procedural perspective. There will be a course focus on significant U.S. Supreme Court cases that have described the boundaries of practice for the police, courts and

corrections. This course may be taught using the case study method. 3 credits. (3 plus 0)

CJ 2500 Basics of Criminal Investigation

Prerequisite: CJ 1100.

A general theoretical framework for the practice of investigating criminal acts. The components of all investigations; crime scene protocol, collection and preservation of physical evidence, sources of information, and interview and interrogation will be among the topics explored. Investigative features of particular crimes (homicide, robbery, rape, larceny, motor vehicle theft, etc.) will also be a focus. 3 credits. (3 plus 0)

CJ 2600 Laws of Evidence

Prerequisite: CJ 1100.

The law of evidence is the system of rules and standards by which the admission of proof at the trial of a criminal action is regulated. This course includes topics related to the investigation and adjudication process in criminal cases, including collection of evidence and presentation of evidence at arraignments, preliminary hearings, suppression hearings, and trials, with emphasis on types of evidence admissible in a criminal action. This course may be taught using the case study method, with an emphasis on class participation. 3 credits. (3 plus 0)

CJ 3100 A System of Juvenile Justice

Prerequisite: CJ 1100 or HS 1200 for human services majors.

The juvenile justice system in the United States operates in a manner that is slightly different from the adult components of the system. This course will provide an overview of a system that structures the way children are dealt with in regard to delinquency, abuse, neglect and dependency. Methods of addressing the prevention of delinquency and trends in delinquency will also be examined. 3 credits. (3 plus 0)

CJ 3200 Understanding Criminal Behavior

Prerequisite: CJ 1100.

This is a psychology and criminal justice course with a specific focus on criminal behavior using a psychosocial approach. More specifically we will be utilizing psychological, psychiatric and sociological approaches to examine why individuals commit criminal and delinquent acts. 3 credits. (3 plus 0)

CJ 3300 Victimology

Prerequisite: CJ 1100

Focus on emerging areas in the field, such as the consequences of victimization and empowering victims. The concentration will be on both traditional and modern approaches to victims' issues and concentrates on issues affecting both victims and victim service providers. The course will follow the general guideline of the text, however, and quite frequently, we will move outside of the text for material. Students will be responsible for topics covered both in and out of the text. 3 credits. (3 plus 0)

CJ 3510 Community & Problem-Oriented Policing

Prerequisite: CJ 1300.

Focus on community-oriented policing and problem solving using criminal justice theoretical based approaches. The course will follow the general guideline of the text, however, and quite frequently, we will move outside of the text for material. Students will be responsible for topics covered both in and out of the text. 3 credits. (3 plus 0)

CJ 3520 Crime Scene Investigation

Prerequisite: CJ 1100.

Focus on techniques and methods of crime scene investigation. Topics include: fundamentals of preliminary investigation, identification, protection, and collection of evidence, sketching and photographing the crime scene, interpreting blood stain evidence, fingerprinting techniques. Students will be responsible for topics covered both in and out of the text and the lab portion of the course. 3 credits. (3 plus 0)

CJ 3530 Restorative Justice

Prerequisite: CJ 3100.

This is a course with a specific focus on restorative justice. A specific focus will be on theoretical roots of the restorative justice movement and methods and practices in the field. Case studies will be used to facilitate student learning. 3 credits. (3 plus 0)

CJ 3620 Forensic Science & Criminalistics

Prerequisite: CJ 2500.

This is a course with a specific focus on the nature and laboratory analysis of physical evidence. Topics include: collection of physical evidence, examination of evidence and the nature of different types of physical evidence. 3 credits. (3 plus 0)

CJ 3700 Ethics & Cultural Diversity in Criminal Justice

Prerequisite: CJ 1100.

This is a course with a focus on ethical theories and their consideration in the field of criminal justice. Specific attention will be paid to the application of these theories and the ethical development of criminal justice practitioners. Topics will also include current ethical issues and their relationship to ethical theories and decisions. Students will be responsible for topics covered both in and out of the text and the lab portion of the course. 3 credits. (3 plus 0)

CJ 4110 Law Enforcement Planning Process

Prerequisite: CJ 1300

A focus on policy and planning issues in the law enforcement environment. The learner will be exposed to the need for planned change and planned change models. Learners will then be required to identify a problem or law enforcement policy issue and develop a plan to impact that issue. 3 credits. (3 plus 0)

CJ 4120 Death Investigation

Prerequisite: CJ 2500.

This course is designed to briefly cover how to recognize and investigate violent, suspicious or unexpected deaths. The student will learn to develop the essential facts regarding the death scene, medical history and other information that assists in the determination of a person's cause and manner of death. The course will cover the 29 national guidelines set forth by the National Institutes of Justice as essential for a coordinated, efficient and complete death investigation. Basic crime scene investigation techniques will be stressed, along with the importance of crime scene and body evidence, however, this course emphasizes the medical aspects of death investigation and is not designed to be a "homicide seminar." 3 credits. (3 plus 0)

CJ 4130 Probation and Parole Services

Prerequisite: CJ 1400.

The criminal justice system is comprised of three major components: police, courts, and corrections. This course will take an in-depth examination of the community-based strategies of probation and parole from both a historical perspective and what is currently being utilized today. This examination will explore the duties and objectives of contemporary probation and parole agencies and tracks the progress of an individual through each phase of the community-based systems. 3 credits. (3 plus 0)

CJ 4210 Police Organization & Management

Prerequisite: CJ 1300.

An in-depth examination of the administrative and leadership practices necessary in the operation of a contemporary police organization. In part, this course will demonstrate and discuss the application of modern management theory in the police environment. The focus here is on the operation of an urban police department (100+ officers) and the functional components of such an agency. 3 credits. (3 plus 0)

CJ 4220 Criminal Profiling

Prerequisites: CJ 2500; CJ 3200.

This is a course with a specific focus on criminal profiling utilizing psychological and criminal justice based approaches. The class will concentrate on the processes of identifying personality traits, behavioral tendencies, geographical location and demographic variables of an offender based on characteristics of a crime. 3 credits. (3 plus 0)

CJ 4230 Corrections Counseling

Prerequisites: CJ 1400; PSY 1700.

This is a course with a specific focus on treatment and counseling approaches to offender rehabilitation. The emphasis is on different types of treatment for juvenile and adult offenders. 3 credits. (3 plus 0)

CJ 4320 Fundamentals of Crime Analysis
Prerequisite: CJ 2500.
An overview of the variety of analytical techniques utilized in law enforcement to describe and understand crime patterns and trends as they occur in contemporary society. Exposure to the basic stages of crime analysis: collection of data, the collation of that data, analysis of data, dissemination of data, and feedback and evaluation of the end users of crime analysis data. 3 credits. (3 plus 0)

COMMUNICATION

COMM 1700 Photography
An introduction to photography and photographic history. Photography basics of camera, film, composition, lighting, digital photography, and creative photography. 3 credits. (3 plus 0)

ECONOMICS

ECON 2200 Macroeconomics
Prerequisite: MA 1025 or concurrent enrollment.
A study of the overall economic system with emphasis upon the gross national product, fiscal and monetary policy, the budget and banking. 3 credits. (3 plus 0)

ECON 2210 Microeconomics
Prerequisite: MA 1025 or concurrent enrollment.
A study of the economic system. Supply and demand, competition, pricing policies, wage and rent determination, and government regulation. 3 credits. (3 plus 0)

ENGINEERING

EGR 1710 Engineering Graphics & Design
Prerequisite: MA 1010 or concurrent registration.
Introduction to the engineering profession and design. Development of the design process and communication skills. Principles of engineering graphics and computer-aided-design. Group projects. 3 credits. (3 plus 0)

EGR 2000 Engineering Communication
Prerequisite: ENG 1270 with a grade of C or better.
This course develops two significant engineering communication skill sets: effective technical writing and effective oral presentations. Each student will create technical documents (such as work instructions and user manuals) and a technical paper

suitable for publication in an engineering journal. Throughout the course, students will make oral presentations concluding with software-based capstone presentations of their technical papers. 3 credits. (3 plus 0)

EGR 2600 Materials Science
Prerequisites: CH 1000 or CH 1220; PH 1100 or PH 1300.
The mechanical, electrical, optical, thermal and magnetic properties of engineering materials; structure of matter; crystalline structure and imperfections; environmental effects; selection of materials in design. 3 credits. (3 plus 0)

EGR 2650 Manufacturing Processes
Prerequisite: EGR 2600 or advisor approval.
An introduction to the many processes used in manufacturing. 3 credits. (3 plus 0)

EGR 3430 Applied Probability & Statistics
Prerequisite: MA 1100 or MA 1200.
Probability theory, distribution functions, acceptance sampling, normal distribution, chi square distribution, statistical tests, analysis of variance, regression analysis. 3 credits. (3 plus 0)

EGR 3600 CAD I – Parametric Model
Prerequisites: EGR 1710; MA 1035.
This course is based on 3D CAD modeling procedures including: layers, curves, entities, design features, surface features, and assemblies. Design projects will focus on practical applications. 3 credits. (3 plus 0)

EGR 4400 Professional Practice I
Prerequisite: Junior/senior standing.
A study of the concepts and methods required to make design and planning decisions, including capital investment decision making, time-value of money, equivalence, multiple alternatives, replacement criteria, and cost of capital depreciation. Professional engineering ethics and interaction with government, industry, and related agencies. Computer applications. 3 credits. (3 plus 0)

ENGLISH

ENG 1100 Introduction to College Writing
Prerequisite: Placement into ENG 1100 or ENG 1000 with grade C or better.
This course requires students to engage in sustained reading and writing practices. Students will read a variety of texts and write a number of short essays. This course culminates with a paper of at least 1000 words. College credit awarded, but will not be applied toward degree requirements. 3 credits. (3 plus 0)

ENG 1250 English Composition I

Prerequisite: Placement in ENG 1250 or completion of ENG 1000 and/or ENG 1100 (if required by placement) with grade C or better.

This course is an introduction to expository writing for a variety of aims and audiences. Students learn to write as a process and are briefly introduced to research and proper documentation. 3 credits. (3 plus 0)

ENG 1270 English Composition II

Prerequisite: ENG 1250 with grade C or better.

This course is an introduction to the writing of researched essays for a variety of aims and audiences. Students analyze rhetorical style, structure, and argumentation, with an emphasis on building critical thinking skills. 3 credits. (3 plus 0)

ENG 2320 Professional Communication

Prerequisite: ENG 1270 with grade C or better.

The refinement of verbal and written communication skills for the professional world, with emphasis on applications that develop and synthesize these skills. 3 credits. (3 plus 0)

ENG 2400 Grantwriting

Prerequisite: ENG 1270 with grade C or better.

Includes information and practice in finding potential sources of grant support, interpreting grant program guidelines, understanding how funding agencies operate charitable giving programs, and properly arranging the components of a typical grant proposal. How to research corporations, private foundations and other funding organizations. Students are required to develop an actual grant proposal. 3 credits. (3 plus 0)

FINANCE

FIN 3600 Corporate Finance

Prerequisite: ACC 2140.

Financial statement analysis, the concepts of leverage, working-capital practices, cash management, management of marketable securities, inventory financing, stock and bond valuation, cost-of-capital concept, and mergers and acquisitions. International risks, foreign-exchange market, stock dividends, and stock splits. 3 credits. (3 plus 0)

FIN 3620 Corporate Finance II

Prerequisite: FIN 3600 with grade C or better.

A continuation of Corporate Finance covering critical areas of financial management such as cash flow estimation and risk analysis, capital structure, dividend policy, working capital management, financial forecasting, multinational finance and mergers

& acquisitions. 3 credits. (3 plus 0)

FIN 3680 Financial Markets & Institutions

Prerequisite: FIN 3600.

This course applies principles of finance to understand modern financial markets. The course examines why financial markets exist, the pricing function markets perform and how financial institutions serve those markets. It covers the securities traded in each market and how financial institutions participate in the financial intermediation as they connect individuals and organizations to capital markets. Course also examines the functions, practices and regulatory requirements of various types of financial institutions. 3 credits. (3 plus 0)

FIN 3700 Financial Analysis & Valuation

Prerequisite: FIN 3600.

A course in the use of financial analysis as a tool to value a firm's debt and equity. Emphasis is placed on the use of key financial statements as the basis for valuation in order to make sound business investment decisions. Fundamental analysis, forecasting and methods of valuation will be examined in detail within the context of financial decision making. 3 credits. (3 plus 0)

FIN 3800 Investments

Prerequisite: FIN 3600.

A course in investments, portfolio theory, and security analysis. The course includes coverage of traditional fundamental analysis, Capital Market Theory, Efficient Markets Hypotheses, and the Capital Asset Pricing Model. The course is intended for those who may manage personal funds, the funds of a corporation, or who may need to raise funds in capital markets. 3 credits. (3 plus 0)

FOREIGN LANGUAGES

SPA 1100 Conversational Spanish I

Fundamentals of pronunciation, conversation, grammar, and composition. Cannot be taken for credit by native Spanish speakers or students with three or more secondary class units of Spanish. 3 credits. (3 plus 0)

SPA 1200 Conversational Spanish II

Prerequisite: SPA 1100.

Continuation of Spanish I. Fundamentals of pronunciation, conversation, grammar, and composition of Spanish. SPA 1200 cannot be taken for credit by native Spanish speakers. 3 credits. (3 plus 0)

SPA 1300 Spanish for Business
Prerequisite: SPA 1100.
Introduction to the Spanish business world and commercial language. Development of business vocabulary and business conversation skills. 3 credits. (3 plus 0)

HEALTH CARE ADMINISTRATION

HCA 1100 Introduction to Health Care Administration
Study of the U.S. health care system, its history, organization and functions. Study of the interaction of providers, administrators, and consumers interact in the system. 3 credits. (3 plus 0)

HCA 2100 Legal Aspects of Health Care Administration
Prerequisite: HCA 1100.
Basic knowledge of law as it applies to the health care field. Provides a working knowledge of health law enabling students to deal with common legal, ethical and practical problems facing the industry. 3 credits. (3 plus 0)

HCA 2990 Special Topics in Health Care Administration
Prerequisite: Permission of the dean of the College of Business.
Directed study of a special body of subject matter in the field of health care administration. This course may be repeated for additional credit. Variable credit.

HCA 3100 Finance of Health Care Organizations
Prerequisites: ACC 1010; HCA 1100.
Factors and economics of health care organizations. Information concerning insurance, Medicare, Medicaid, government regulations, reimbursement systems, accessibility, budgeting, and human resources. National health insurance and state/local initiatives will be discussed. 3 credits. (3 plus 0)

HCA 3200 Health Care Policy
Prerequisites: HCA 1100; HCA 2100.
Comprehensive overview of major health policy issues. Through examination of governmental and political involvement in the organizations and financing of health care services, the course emphasizes factors influencing policy formation. 3 credits. (3 plus 0)

HCA 4100 Managed Care & Medical Group Practice
Prerequisite: HCA 1100
Focus on managed health care strategies and their relationship to medical group practice management in the constantly changing environment of health care services. 3 credits. (3 plus 0)

HCA 4200 Long-term Care Administration
Prerequisite: HCA 1100.
Study of long-term care centers. Analysis of the various settings such as nursing homes, assisted living, retirement communities, home health care, and adult day care. Issues of finance, access, legality, ethics, human resources, and current topics are addressed. 3 credits. (3 plus 0)

HCA 4950 Health Care Administration Internship
Experiential learning through placement with health care facilities or related organizations. Students are assigned duties and activities involving application of theory, knowledge and skills acquired in related coursework. May enroll more than once and for variable credit.

HEALTH INFORMATION TECHNOLOGY

HIT 1100 Medical Terminology
(Formerly BIO 1140) Prefixes, suffixes and word roots used in the field of medicine. Topics include medical vocabulary and terms related to anatomy, physiology, pathological conditions, medical treatments, and rudimentary. 3 credits. (3 plus 0)

HIT 1200 Health Information Technology & Systems
Prerequisite or co-requisite: HCA 1100
An introduction to computer system technologies and networks applied to the delivery of healthcare. This includes the selection, implementation, interoperability, use and value provided by systems used to support healthcare business, clinical care delivery, healthcare administration, public health, health and healthcare delivery outcome tracking and reporting. 3 credits. (3 plus 0)

HIT 1300 Medical Coding
Prerequisite or co-requisite: HIT 1100 or concurrent; BIO 1210 or concurrent
This course provides a foundation for the development, maintenance, and use of medical records using established coding standards and procedures, including ICD-10, Current Procedural Terminology, and HCPCS. 3 credits. (3 plus 0)

HIT 1400 Advanced Coding
Prerequisite: HIT 1300
A continuation of Medical Coding, this course includes a study of nomenclature versus classification systems, continues with advanced coding principles, and application of coding guidelines, including sequencing guidelines. Case studies and health records are used to allow students to provide students with hands-on application. The relationship between coding and reimbursement is covered, and students continue the use of software to code and assign MS-DRG and/or APCs to each case. 3 credits. (3 plus 0)

HIT 2000 Health Data Management I

Prerequisite: HIT 1200; MIS 3100

An introduction to the use of technology in the capture, delivery and analysis of health data in the delivery of services across the continuum of care. The course focuses on the use of electronic health records, data mining, and report generation. 3 credits. (3 plus 0)

HIT 2100 Health Data Management II

Prerequisite: HIT 2000

A continuation and broadening of knowledge from Health Data Management I to include concepts of application of technology to the capture, delivery, and analysis of health data in the delivery of services across the continuum of care. The course will provide the knowledge and skills for the student to be able to engage in applied health informatics activities of data management, statistical data analysis and standardizing data structure. The impact of these activities on electronic health record systems which analyze, transmit, and store healthcare information will be emphasized. 3 credits (3 plus 0)

HIT 2200 Health Data Privacy and Security

Prerequisites: HIT 1200

This course provides an introduction to policies and practices governing the legal health record. This includes the implementation of HIPAA regulations, policies involving the release and use of protected health information, and the security of health data. 3 credits. (3 plus 0)

HIT 2400 Health Information Technology Project Management

Prerequisites: HIT 2100

Health information technology is providing transformative change to highly complex organizations and systems. This course provides basic knowledge and skills for project and change management with a focus on electronic health records and their relationships to multiple stakeholders. 3 credits. (3 plus 0)

HIT 2600 Health Information Technology Field Experience

Prerequisites: HIT 2000, HIT 1400

This course provides a basis for students to demonstrate knowledge and skills to field projects that provide a foundation to launch a career in health information technology. 3 credits. (3 plus 0)

HUMAN SERVICES

HS 1200 Introduction to Human Services

An overview of the program, philosophies, history, and economics of human and social service agencies. 3 credits. (3 plus 0)

HS 1500 Helping Relationships

Prerequisite: HS 1200.

This course provides the student an opportunity to increase effectiveness in helping people. This course examines the helping process in terms of skills, helping stages, and issues involved in a helping relationship. 3 credits. (3 plus 0)

HS 2000 Human Services Programming

Prerequisite: HS 1200.

Principles and techniques for human services programming, including philosophical foundation, needs assessment, objective writing, program planning, and evaluating methods. 3 credits. (3 plus 0)

HS 2600 Human Services Field Experience

Prerequisite: HS 2000.

Actual leadership experience in a human services setting or by participation in an organized human services program. Theory is coordinated with practical experience. 3 credits. (3 plus 0)

HS 4950 Human Services Internship

Prerequisite: HS 2600.

Professional experience in a setting related to the field. The specific work setting and type of responsibilities are determined through consultation with the supervising instructor. Work responsibilities should be professional in nature and should not duplicate the HS 2600 Field Experience. Approved elective(s) may be substituted for this class. Variable credit.

HUMANITIES

HUM 2000 Introduction to Humanities

Prerequisite: ENG 1270

Introduction to disciplines in the humanities, including visual art, music, philosophy, literature, and performing arts. 3 credits. (3 plus 0)

HUM 2100 Study Abroad

Prerequisite: ENG 1270.

This course provides students with the opportunity to travel abroad and study the history and culture of another country. The course involves both classroom and experiential education and includes ethnographic studies. 3 credits. (3 plus 0)

HUM 2510 Music Appreciation

Prerequisite: ENG 1270.

Designed to develop a wider knowledge and enjoyment of music, especially the

Western Classical tradition, to encourage appreciation of composers and performers, to enhance intelligent listening to recorded music, and to compare the classical heritage with alternative styles. 3 credits. (3 plus 0)

HUM 2520 Art Appreciation

Prerequisite: ENG 1270

Designed to provide a broader knowledge and deeper understanding of the visual arts, including architecture, sculpture, and pointing, and relate this experience to the contemporary world enhancing awareness of both man-made and natural environments within which we live. 3 credits (3 plus 0)

HUM 2730 Introduction to Philosophy

Prerequisite: ENG 1270.

The major philosophic orientations in the study of human culture emphasizing intellectual systems from Classical Greece through the 20th century centering in the development of Western Civilization, and in relation to non-western perspectives evident in global interactions toward the end of the century. 3 credits. (3 plus 0)

HUM 2990 Special Topics in Humanities

Prerequisite: ENG 1270.

Directed study of a special body of subject matter in the field of humanities. This course may be repeated for additional credit. Variable credit.

HUM 3110 Introduction to Cinema

Prerequisite: ENG 1270

(Formerly COMM 2100) A study of film as a mass media. Fundamental elements of film and examination of the social, cultural, political and aesthetical values communicated by film. Critique and analysis of both narrative and documentary film. 3 credits. (3 plus 0)

HUM 3310 Interpretation of Fiction

Prerequisite: ENG 1270.

Appreciation of great fiction with the techniques and skills used in writing and interpreting the novel and short story.
3 credits. (3 plus 0)

HUM 3320 Major British Writers

Prerequisite: ENG 1270.

An introduction to selected poets, novelists, and dramatists in British literature. 3 credits. (3 plus 0)

HUM 3330 American Writers
Prerequisite: ENG 1270
Selected American writers representative of key literary movements in the United States. 3 credits. (3 plus 0)

HUM 3360 African-American Literature
Prerequisite: ENG 1270.
An introduction to the literature of Americans of black African ancestry. Special attention will be given to major developments in form and themes, major writers, and the evolution of an African-American literary tradition. 3 credits. (3 plus 0)

HUM 3380 Shakespeare
Prerequisite: ENG 1270.
This course will introduce students to classic literature and theater through experiential learning; the course includes excursions to theatrical performances at locations such as the International Shakespeare Festival in Stratford, Ontario, and the Chicago Shakespeare Theatre. 3 credits. (3 plus 0)

HUM 3710 Ethics
Prerequisite: ENG 1270.
Introduction to classical ethical theory; how to adopt ethical perspectives; appreciation for ethical problems with applications for contemporary issues such as euthanasia, hunger and welfare, capital punishment, and corporate responsibility. 3 credits. (3 plus 0)

HUM 3720 Advanced Critical Thinking
Prerequisite: ENG 1270.
Evaluation of forms of argument; recognition and detection of argumentative fallacies; deductive and inductive thinking; and an introduction to formal logic structures. 3 credits. (3 plus 0)

INDUSTRIAL & MANUFACTURING ENGINEERING

IME 2010 Safety Engineering
Prerequisite: BA 2010.
Principles of safety engineering applied to industrial situations. Topics include job safety analysis, accident investigation, personal protective equipment, fire and electrical safety, facilities and layout. 3 credits. (3 plus 0)

IME 2020 Work Design

Prerequisite: IME 2010.

Motion study practices relating the worker to equipment and environment. Application of the principles of motion economy, time study, use of flow process diagrams, worker-machine charts, micro-motion analysis, time formulas, work sampling, rating, allowances, standard date systems and predetermined time standards. Techniques and procedures for developing and applying the principles of human factors engineering to systems design. 3 credits. (3 plus 0)

IME 2110 Quality Control I

Prerequisites: MA 1035; sophomore standing.

An introduction to the quality concepts, procedures, and documentation needed to establish an effective quality system. Specific tools include pareto diagrams, cause and effect diagrams, check sheets, histograms, scatter diagrams, run charts, control charts, and process capability. Projects and computer applications. 3 credits. (3 plus 0)

IME 3020 Computer Simulation of Manufacturing Processes I

Prerequisite: EGR 3430.

Computer simulation of manufacturing processes. Systems simulation structure, logic, and methodology using simulation to identify opportunities for process improvement. Application of random numbers and statistical distributions. Importing CAD graphics and other external files into simulation models. Introduction to manufacturing simulation project management. 3 credits. (3 plus 0)

IME 3040 Computer Integrated Manufacturing

Prerequisites: MA 1100; EGR 1710.

A study of the design and use of computer-based integrated manufacturing management systems for the allocation and control of plant, equipment, manpower, and materials. 4 credits. (3 plus 3)

IME 3060 Advanced Computer Integrated Manufacturing

Prerequisites: EGR 2650; IME 3040.

This course provides a vehicle for students to apply in an open-ended situation the lessons learned in previous courses such as Computer Integrated Manufacturing. The course focuses on automation of flexible measuring cells. The objective is to offer a final training to upper-level students in implementation of computer-based automation helping them prepare themselves for a contemporary, high-tech, manufacturing workplace. 3 credits. (3 plus 0)

IME 3110 Quality Control II

Prerequisite: IME 2110.

An introduction to the quality concepts, procedures, and documentation needed to establish an effective quality system. Specific tools include: gage R & R, control charts

for attributes, sampling plans, reliability, cost of quality, and an introduction to TQM. Projects and computer applications. 3 credits. (3 plus 0)

IME 3120 Design of Experiments

Prerequisite: EGR 3430.

A study of how to design experiments and use statistical analysis to determine the sensitivity of the output of a process to changing input parameters. Included are randomized designs, hypothesis testing, analysis of variance (ANOVA) with single factor experiments, randomized Block Design, Latin Square designs, incomplete and complete Block Designs, 2k Factorial Designs, replication, Nested Designs, split-plot design, regression analysis, response surface methods, covariance, and the Taguchi Method. 3 credits. (3 plus 0)

IME 4020 Lean Manufacturing

Prerequisites: IME 2020; EGR 2650.

The study of the principles and practices used to identify and minimize non-value-added activities present in the manufacturing environment. Concepts covered include pull systems, cellular flow, quick change-over, quality at the source, point-of-use storage, 5-S, standardized work, visual control systems, and value of stream mapping. Emphasis is placed on moving from a focus of local optimums to optimizing the entire system. 3 credits. (3 plus 0)

IME 4110 Total Quality Management

Prerequisite: IME 3110.

The examination of various quality control and assurance concepts and their integration into a comprehensive quality management system. 3 credits. (3 plus 0)

IME 4300 Integrated Resource Management

Prerequisites: IME 4020; EGR 3430.

Manufacturing planning from supply through distribution. Concepts include: Supply Chain Management, Economic Order Quantity, Just-in -Time (JIT), MRP, MRP II, ERP, and Distribution Requirements Planning (DRP). Course will include exposure to related software and e-commerce best practices. 3 credits. (3 plus 0)

IME 4950 IME Internship

Prerequisite: Permission of the faculty advisor.

Directed study of IME-related student work experience. Cannot be repeated unless approved by the dean. 3 credits. (3 plus 0)

IME 4975 IME Senior Project

Prerequisites: EGR 2000; senior standing. CPS students only.

The presentation of a creative engineering design solution to a real-world problem. The design solution will involve the formal and creative application of mathematics,

science, and engineering theory. Students will aim to produce systems that will be safe, robust, cost-effective, and are technically sound solutions to the problem. One semester course. 4 credits.

INFORMATION SYSTEMS

IS 1300 Programming I

Prerequisite: CS 1200 or 1250 with grade C or better; co-requisite: MA 1035.
An introduction to computer programming using the Java language, beginning with the fundamental steps needed to create, compile and run simple stand-alone applications that are platform-independent. Students will learn how to use primitive data types, control statements, methods, and arrays in their software. In addition to covering essential techniques, this course prepares students for an advanced object-oriented Java programming course. Scheduled and unscheduled projects. 3 credits. (3 plus 0)

IS 2100 Internet Programming

Prerequisite: IS 1300.
An introduction to the Internet and Web programming. Topics will include fundamentals of the Internet with existing and evolving technologies. Focuses on Web page development using basic and advanced programming techniques. Weekly scheduled laboratory and unscheduled laboratory. 3 credits. (3 plus 0)

IS 2200 Developing Business Solutions

Prerequisites: IS 1100 or IS 1150; ACC 1010 or OL 3400.
An introduction to solving business problems through the application of information technology. Using spreadsheet and database productivity software students solve problems including inventory management, accounts receivable and payable, payroll, financial analysis, sensitivity analysis, human resource tracking and small application development. Topics such as worksheet formatting, macro building, financial functions, data and regression analysis, database design, queries and sorting, interface design are covered. 3 credits. (3 plus 0)

IS 2300 Programming II

Prerequisites: IS 1300; MA 1035.
A comprehensive second programming course using the Java language. Students will build on their previous basic Java programming knowledge to create class-centric, object-oriented applications that uses abstraction, encapsulation, inheritance, and polymorphism to provide great flexibility, modularity, and reusability in developing software. Graphics programming topics, including event-driven programming, creating graphical user interfaces, and writing applets are covered. Several advanced features such as using exception handling to make programs robust, using multi-

threading to make programs more responsive and interactive, incorporating sound and images to make programs user-friendly, using input and output to manage and process a large quantity of data, and creating client/server applications may also be covered. Scheduled and unscheduled laboratory projects. 3 credits. (3 plus 0)

IS 2900 Web Applications

Prerequisites: IS 2100; CS 2500.

An introduction to the technical and business aspects of web applications. Students will develop and design a web-based software product that meets the long-term requirements of reusability, flexibility, scalability, and reliability. Unscheduled lab. 3 credits. (3 plus 0)

IS 2990 Special Topics in Information Systems

Prerequisite: Administrative approval.

Directed study of a special body of subject matter in the field of information systems. This course may be repeated for additional credit. Variable credit.

IS 3100 Information Security

Prerequisite: Junior standing and pursuing a computer sciences major or minor.

An introduction to the various technical and administrative aspects of information security and assurance. This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features. 3 credits. (3 plus 0)

IS 4100 Systems Analysis & Design

Prerequisite: IS 2300; CS 2500

An overview of the systems development life cycle with emphasis on the techniques and tools of system documentation and logical systems specifications. 3 credits. (3 plus 0)

IS 4600 Disaster Recovery

Prerequisite: IS 3100.

This course examines the strategies and activities for limiting the impact to and recovery of information systems, networks, and data should a disaster occur. Recovery and test plans are developed and analyzed to return mission-critical systems to an optimally secure and functional state. Risk identification and analysis are explored for assets, physical facilities and end-user functions with secure accessibility. Topics include data assurance, information security, project management disciplines, and business continuity planning. 3 credits. (3 plus 0)

IS 4800 Technical Project Management
Prerequisite: Senior standing or administrative approval.
Concepts and practical applications including tools and techniques for management of technical projects with emphasis on scope, time, communication, and resources. Topics covered include: task estimating and scheduling, project scope, and resource management. 3 credits. (3 plus 0)

MANAGEMENT INFORMATION SYSTEMS

MIS 1300 Software Tools
This course studies a variety of office suite packages which include word processing, spreadsheets, presentations and office automation features. Emphasis is on document and spreadsheet usage and contrasting features of each platform. 3 credits. (3 plus 0)

MIS 1500 Computer Systems & Hardware
Prerequisite: MIS 1300.
This course prepares students to effectively manage a variety of hardware issues, such as installation, configuration, upgrading, diagnosing, troubleshooting, safety, preventative maintenance, the principles of motherboards, processors, and memory in microcomputer systems. 3 credits. (3 plus 0)

MIS 2100 Networking & Infrastructure
Prerequisite: MIS 1500.
A survey of network and telecommunications design as they relate to information systems. Topics include hardware, voice, data, video, and digital wireless infrastructure technologies. 3 credits. (3 plus 0)

MIS 2150 Component Analysis & Design
Prerequisite: MIS 2100.
Continuation of MIS 2100. Application of networking technologies as they relate to business environments. Analyze and design a network topology for a new environment and an existing structure with emphasis on compatibility. 3 credits. (3 plus 0)

MIS 3000 Programming Logic
Prerequisite: MIS 1300.
Effective development and documentation of logic structures are reviewed for usage in file management utilizing perspectives of sequence, selection, iteration, and modular programming. 3 credits. (3 plus 0)

MIS 3100 Database Management

Prerequisite: MIS 1300.

This course emphasizes relational database development, usage, and control with exposure to a variety of end user and managerial programs for utilization in a professional environment. Related topics also include normalization and conceptual design using entity relationship diagramming. 3 credits. (3 plus 0)

MIS 3150 Database Applications Development

Prerequisite: MIS 3000 or MIS 3100.

This course emphasizes database application development within multi-tier systems, emphasizing the development of front-end user interfaces. The course is also an introduction to Structured Query Language (SQL). 3 credits. (3 plus 0)

MIS 3200 Web Applications & the Internet

Prerequisites: MIS 2150; MIS 3000.

The course presents strategic and operational uses of the Internet and the World Wide Web by business organizations. Packaged software is used to design a Web site and develop Web pages. Ongoing management issues are addressed for maintaining a dynamic Web site. 3 credits. (3 plus 0)

MIS 4000 Enterprise Resource Planning

Prerequisites: MIS 3000; MIS 3100.

ERP systems provide the foundation for a wide range of e-commerce based processes including web-based ordering and order tracing, inventory management, and built-to-order goods. This course examines the pros and cons of ERP systems, explains how they work, as well as the issues related to system selection, design and implementation. 3 credits. (3 plus 0)

MIS 4200 Systems Analysis & Design

Prerequisite: MIS 3150.

An overview of the system's development life cycle with emphasis on techniques and tools of system documentation and logical system specifications. Concepts covered include detailed analysis of information systems project initiation. 3 credits. (3 plus 0)

MIS 4400 MIS Project Management

Prerequisite: MIS 4200.

This course covers the components of successful project completion including scope, financials, resources, milestones, tracking, and communications. Project-planning software will be utilized to apply theoretical concepts and review documentation. 3 credits. (3 plus 0)

MATHEMATICS

MA 1000 Foundations of College Mathematics
Topics include computation with integers and rational numbers using correct order of operations, ratios, and proportions. The student also learns percent concepts and solving equations involving percentages. Other covered topics are exponents and simplifying and solving equations and inequalities with one variable. Using linear equation problem solving strategies to solve application problems is emphasized. Graphing lines using slope and y-intercept is also taught. Problem solving is integrated throughout and appropriate use of calculators is expected. 3 credits. (3 plus 0)

MA 1010 Basic Algebra
Prerequisite: MA 1000 with grade C or better.
Real numbers, algebraic expressions, basic rules of algebra, ratios and proportions, exponents (including negative exponents and rational exponents), radicals, formulas, Cartesian plane, distance between points, midpoint of a line segment, polynomials, operations on rational expressions, and solving linear equations and inequalities (in one variable). This course may not be applied toward degree requirements. 3 credits. (3 plus 0)

MA 1025 Mathematical Problem-Solving
Prerequisite: MA 1000 with grade C or better.
Topics in algebra include exponents and their properties and addition, subtraction, and multiplication of variable expressions. Solving and applying linear equations and applying exponential equations are studied. Graphing lines and linear inequalities using slope-intercept form and solving systems of equations and inequalities as they relate to business, social science, and finance applications and displaying data are also covered. Throughout the course application problems and appropriate technology will be emphasized. 3 credits. (3 plus 0)

MA 1035 College Algebra
Prerequisites: MA 1010 with grade C or better.
Real numbers, and algebraic expressions, functions and graphs, equations and inequalities, systems of equations and inequalities, exponential and logarithmic functions, and complex numbers. 3 credits. (3 plus 0)

MA 1040 Finite Mathematics
Prerequisite: MA 1035 with grade C or better.
Set theory, coordinate systems and graphs, linear programming (geometric approach and algebraic approach), matrices and linear systems, permutations and combinations, probability, statistics, mathematics of finance. 3 credits. (3 plus 0)

MA 1060 Trigonometry
Perquisite: MA 1035 with grade C or better.
Basic concepts of trigonometry, trigonometric functions, trigonometric identities and equations, and applications of trigonometry. 3 credits. (3 plus 0)

MA 1100 Applied Calculus I
Prerequisite: MA 1035 with grade C or better.
Functions and graphs, limits, differentiation, curve sketching, exponential and logarithmic functions, antidifferentiation and integration. 3 credits. (3 plus 0)

MA 1110 Applied Calculus II
Prerequisite: MA 1100 with grade C or better and MA 1060 with grade of C or better.
Integration, series, multivariable calculus, differential equations. 3 credits. (3 plus 0)

MA 2010 Foundations of Statistics
Prerequisite: MA 1025 with a grade of C or better.
The purpose of the course is to help students understand just how much data and statistical analysis have to say about their lives and the world around us. This course emphasizes concepts and statistical thinking rather than computation. The course will focus on statistical concepts and methods for producing data and organizing data. It also will explore elements of probability used to describe chance, variation, and risk. 3 credits. (3 plus 0)

MA 2025 Statistical Problem-Solving
Prerequisite: MA 1025 with grade C or better.
This course will include basic statistical terminology, mean, median, mode, and designing experiments. In addition, standard deviation, variance, normal distribution, probabilities, correlation, statistical inference, and sampling distribution will be covered. Additional topics include regression analysis, confidence intervals, hypothesis testing, and one and two sample t statistics are also to be included. All topics should be used in appropriate application solving applied problems with appropriate technology. 3 credits. (3 plus 0)

NETWORKING

NET 1100 Introduction to Networking
A survey of network fundamentals and telecommunications design as they relate to information systems. Topics covered include hardware, voice, data, video, and digital wireless infrastructure technologies. 3 credits. (3 plus 0)

NET 2990 Networking Special Topics
Prerequisite: Administrative approval.
Directed study of a special body of subject matter in the field of networking. This course may be repeated for additional credit. Variable credit.

ORGANIZATIONAL LEADERSHIP

OL 3000 Employee Development
Prerequisite: BA 2700
This course is a study in current theories and concepts of employee development. Students will examine practical approaches to ensuring that employees develop the knowledge and skills to perform effectively in their jobs and advance in their careers. The course will look at the role of training and development, coaching, mentoring, and developmental planning as well as performance management, appraisal, and feedback. 3 credits. (3 plus 0)

OL 3200 Managing Organizational Change & Continuous Improvement
Prerequisite: OL 3000.
This course examines the role of change and continuous improvement in organizations. Students will be introduced to theoretical concepts involved with organizational change and continuous improvement and learning. They also will analyze the forces that drive organizations to change and examine processes for planning and implementing effective organizational change. 3 credits. (3 plus 0)

OL 3300 Quantitative Decision-Making
Prerequisite: OL 3200, MA 1000
A course designed to give OL students the specific math background to understand, correlate, and analyze data. It covers mathematical operations, how to use a calculator effectively to solve organizational problems, equations, and graphs, simultaneous equations and their applications (i.e. breakeven analysis), simple regression and descriptive statistics (mean, median, mode, standard deviation, histograms and Pareto charts). 3 credits. (3 plus 0)

OL 3400 Financial Systems for Decision-Making
Prerequisite: OL 3300 for business majors; MA 2025 for IS majors; IME 2110 for ENE and IME majors.
This course addresses the analysis of managerial planning and control systems. It examines the development and administration of operating reports, budgets, and financial support systems. Accounting vocabulary and financial statement analysis are also introduced, emphasizing financial information for effective organizational leadership. 3 credits. (3 plus 0)

OL 4000 Strategic Planning

Prerequisite: OL 3400

This is a process oriented course that reviews planning activities such as developing a company mission, competitive analysis, company situation analysis, potential strategies supported by a traditional SWOT review, competitive advantage, growth scenarios, the role of setting specific objectives in implementing strategies, and financial projections. This course shows how to transform the company mission statement into an actionable plan. 3 credits. (3 plus 0)

OL 4100 Qualitative Decision-Making

Prerequisite: OL 4000.

A review of methods used to collect information to support business decisions, such as customer surveys, employee surveys, focus groups, competitive studies, and benchmarking. Topics include designing procedures to obtain unbiased data, scaling methods, and analysis and interpretation of data to produce credible results and recommendations. Emphasis is placed on intelligence necessary to support strategic planning activities and initiatives. 3 credits. (3 plus 0)

OL 4900 Organizational Leadership Capstone

Prerequisite: OL 4100.

A format of synthesis is implemented, bringing together concepts and processes of prior studies within the organizational leadership program. Emphasis is placed on viewing the organization from a strategic management and integrated problem-solving perspective. 3 credits. (3 plus 0)

PHYSICS

PH 1000 Physical Science

Introduction to basic ideas of physics, chemistry, and the nature of scientific inquiry, with an emphasis on learning about learning, and how elementary students think and learn about science. 3 credits. (3 plus 0)

PH 1100 Fundamentals of Physics

Prerequisites: MA 1035; MA 1060 or concurrent registration.

Basic mechanics: vectors, kinematics in one and two dimensions, Newton's Laws, work, energy, momentum, rotational motion. Laboratory is incorporated into the course. 3 credits. (3 plus 0)

PH 2100 Fundamentals of Physics II

Prerequisite: PH 1100.

Basic electricity and magnetism, with emphasis on DC... Laboratory is incorporated into the course. 3 credits. (3 plus 0)

PSYCHOLOGY

PSY 1700 Introduction to Psychology
The fundamental principles of psychology including, but not limited to, research methodology, perception, development, motivation, consciousness, learning, thinking, stress management and social relationships. 3 credits. (3 plus 0)

PSY 1750 Human Growth & Development
Prerequisite: PSY 1700.
A life-span human development course which integrates biology, psychology, sociology, medicine, demography, economics and anthropology perspectives from conception to death. Emerging trends in research. 3 credits. (3 plus 0)

PSY 2000 Understanding Diversity
This course explores race, gender, sexuality, sexual orientation, socioeconomic class, and systemic influences. Emphasis is placed on the connection among individuals, institutions and cultural groups, and on the relatedness of individuals' race, gender, sexual orientation, and socioeconomic class. Theoretical and philosophical frameworks and research are presented through readings and course materials drawn from education, psychology, sociology, American studies, cultural studies, health sciences and management. 3 credits. (3 plus 0)

PSY 2510 Theories of Counseling
Prerequisite: PSY 1700.
Introduces the historical and professional foundations of counseling as well as provides exposure to the process, skills of counseling and the specialties engaged in the practice of counseling. Specific focus given to the theories of counseling. 3 credits. (3 plus 0)

PSY 2520 Abnormal Psychology
Prerequisite: PSY 1700.
Introduction to the fundamentals of abnormal behavior and the contemporary treatment protocols used for addressing these mental health problems. 3 credits. (3 plus 0)

PSY 2760 Theories of Personality
Prerequisite: PSY 1700.
Introduction to the study of how individuals are influenced by enduring inner factors and the development of personality over the course of a lifetime. Topics include biological trait theories, behavioral and cognitive social theories, and psychodynamic theories. 3 credits. (3 plus 0)

PSY 2780 Social Psychology

Prerequisite: PSY 1700.
A study of how thoughts, feelings, or behaviors of individuals are influenced by the actual, imagined, or implied presence of others. Topics include attitude formation and attitude change, prejudice and discrimination, cooperation and competition, affiliation, interpersonal attraction, aggression and violence, social perception, group influences and environmental influences on social behavior. 3 credits. (3 plus 0)

PSY 2990 Special Topics in Psychology
Prerequisite: PSY 1700
Directed study in a special body of subject matter in psychology. May be repeated for additional credit. Variable credit.

PSY 3510 Bio-psychology
Prerequisite: PSY 1700; BIO 1110
Introduction to the study of mental processes and their effects on behavior. Measurement of biological variables which affect the quantitative or qualitative change of specific psychological or behavioral variables. 3 credits. (3 plus 0)

PSY 3520 Applied Psychology
Prerequisite: PSY 1700
Exploration of the various roles and functions of professional psychologist through an examination of the theoretical and practical applications of careers in psychology. 3 credits. (3 plus 0)

PSY 3530 Sport Psychology
Prerequisite: PSY 1700
Introduction to how psychological factors affect individual and team physical performance. How participation in sport and exercise affect psychological development and health and well-being of the individual. 3 credits. (3 plus 0)

PSY 3730 Aging
Prerequisite: PSY 1700.
Introduction to the process of aging, directed study in biological, psychological, and social factors affecting the elderly. 3 credits. (3 plus 0)

PSY 3750 Interview Strategies for Helpers
Prerequisite: PSY 2510
Fundamental interviewing strategies and techniques used to assist others in addressing interpersonal issues. 3 credits. (3 plus 0)

PSY 3770 Assessment in Psychology
Prerequisite: MA 1025.
The basic concepts, terminology, and principles of assessment applicable to human

services counseling are considered, with an emphasis on bother written and oral assessment techniques. 3 credits. (3 plus 0)

PSY 3780 Research Methods & Statistics

Prerequisites: PSY 1700; MA 2025 with grade C or better, junior standing.

The principles, methods, and strategies useful in planning, designing, writing, and evaluating research studies in the behavioral sciences. Non-experimental research methods such as naturalistic observation, survey, correlation, field study, program evaluation and experimental research will be studied. Topics to be covered include background research skills, hypothesis development, research methodology, descriptive statistics (using calculator or computer), and an introduction to probability. Additional topics include research designs, measurements, hypothesis testing, statistical significance, and the analysis of data. The use of computer statistical packages will be introduced. 3 credits. (3 plus 0)

PSY 4200 Senior Seminar in Psychology

Prerequisites: PSY 1750; PSY 2520; PSY 3780; senior standing.

Discussion and exploration of current topics in the field of psychology. Specific topics selected for study vary from year to year. An APA formatted research proposal with IRB approval and subsequent presentation is required. Emphasis on allowing students to research areas of specific interest. 3 credits. (3 plus 0)

PSY 4510 Learning and Cognition

Prerequisite: PSY 1700

Contemporary perspectives and ideas about how human beings think and learn. Learning theory will be related to everyday practice through numerous examples which will emphasize meaningful learning and true understanding of the material. 3 credits. (3 plus 0)

PSY 4520 Advanced Abnormal Psychology

Prerequisite: PSY 2520

This advanced course builds on the student's understanding of abnormal behavior through the exploration of clinical case studies. The student also builds understanding of the diagnostic criteria necessary for labeling a psychological problem. Specific diagnostic features; subtypes and/or specifiers; recording procedures; associated features; specific culture, age and gender features; prevalence; course; familial pattern; and differential diagnosis also addressed. Students also exposed to clinical note preparation and treatment planning skills development. 3 credits. (3 plus 0)

PSY 4530 Health Psychology

Prerequisite: PSY 1700

Surveys the psychological, social and behavioral factors related to physical health promotion and the role psychology plays in fostering positive health practices. The

course covers health related topics that include stress and coping; cardiovascular disease; chronic pain management and arthritis; cancer; risky health practices (smoking, substance use) as well as a look at communicable and chronic diseases. Community access to health care systems and health related policies are also addressed. 3 credits. (3 plus 0)

PSY 4540 Forensic Psychology

Prerequisite: PSY 1700; CJ 1100

Introduction to the practice of forensic psychology. Exploration of how forensic psychologists aid the legal system by serving as expert witnesses, criminal profilers, and trial consultants for jury selection and child custody hearings. 3 credits. (3 plus 0)

SCIENCE

SCI 2000 Contemporary Issues in Science

Prerequisites: MA 1025; ENG 1250.

An introduction to the fundamentals of science as it applies to various contemporary issues. This course introduces the nature of science and the scientific method, and deals in depth with the nature of sources and evaluation of the credibility of sources. Specific topics may vary, but may include the following: food and energy; organic compounds in everyday life; greenhouse gases; green chemistry; laws of thermodynamics; energy production, transportation, and usage; electricity; fossil fuels; renewable fuels; nuclear energy; alternative energy sources. 3 credits. (3 plus 0)

SOCIAL SCIENCE

SS 1110 American Government

This course introduces the student to the meaning of politics, its relationship to the concept of political power, and its impact upon governmental policy making. The course explores the nature and history of our political system and the various philosophical principles upon which it is based, and discusses national government institutions and the operation of national, state and local governments. 3 credits. (3 plus 0)

SS 2110 Introduction to Anthropology

The place of human beings in nature, with a comparative approach to our physical emergence and cultural evolution, including the development of social systems and technologies, problems arising from the interactions of biological and cultural

phenomena. 3 credits. (3 plus 0)

SS 2410 World History
Human cultural development through a historic approach to pivotal periods, ideas, inventions and innovations in the evolution of civilization including regional and planet-wide perspectives. 3 credits. (3 plus 0)

SS 2430 Early United States History
The growth toward democracy in a new nation, and transition from nationalism to sectionalism during the period 1775 through the Civil War. 3 credits. (3 plus 0)

SS 2440 History of Modern America
The Civil War, reconstruction, corruption, reform, industrialization, internationalism, and isolationism from 1865 to the present. 3 credits.(3 plus 0)

SS 2460 African-American History
A survey of African-American history in America from 1619 to the present as seen through art, literature, and the teachings of several prominent black leaders. Through study of the teachings and philosophies of the black leadership, the student will compare the issues of the past with contemporary problems facing the African-American in today's society. 3 credits. (3 plus 0)

SS 2720 Group Dynamics
Psychology of groups; normal and developmental growth; development of leadership styles, emphasis on assessment of group change. 3 credits. (3 plus 0)

SS 2800 Introduction to Sociology
An introduction to the scientific study of human society and social behavior, this course examines sociological theories of human behavior, cultural patterns, and social change. Emphasis upon the influence of social and cultural forces on personal experience and social behavior in reference to the postindustrial society. 3 credits. (3 plus 0)

SS 2810 Social Problems
Prerequisite: SS 2800.
Analysis of problem conditions in modern society in areas such as the family, economic order, crime, civil rights, ethnic and religious tensions, and the environment. 3 credits. (3 plus 0)

SS 2820 Marriage and the Family
Prerequisite: SS 2800
Analysis of problem conditions in modern society in areas such as the family, economic order, crime, civil rights, ethnic, and religious tensions. 3 credits. (3 plus 0)

SS 2830 Applied Social Problems
An introduction to community development, community building, service learning and cultural diversity through an intense volunteer experience, personal reflection, and focused research. 3 credits. (3 plus 0)

SS 2850 Conflict Resolution
Conflict resolution in both personal and professional settings. Why we have conflicts, and on what levels. The course examines ways to analyze conflict and how to develop mutually beneficial resolutions by using a range of conflict resolution methods and techniques. Current and popular theoretical approaches also are examined. 3 credits. (3 plus 0)

SS 2900 Community & Social Movements
Prerequisite: SS 2800.
This course provides a review of community and social movements including historical perspectives. The course will help students connect with community work and social movements established to accomplish social change in our society. An examination of the individual's role as social advocate and effective citizen will be completed. 3 credits. (3 plus 0)

SS 2990 Special Topics in Social Sciences
Prerequisite: Permission of the dean of general studies.
Directed study of a special body of subject matter in the field of social sciences. This course may be repeated for additional credit. Variable credit.

SS 3300 Sport in Society
Prerequisites: PSY 1700; SS 2800.
An examination of the growth of sports and the sports of industry in society. Historical, sociological, and psychological aspects are examined including consideration of sports as a means of social mobility and character building. Problems such as drug usage, scandals within sports, and cheating also are addressed. 3 credits. (3 plus 0)

SS 4990 Special Topics in Social Sciences
Prerequisites: Permission of the dean of general studies.
Directed study in a special body of subject matter in the social sciences. May be repeated for additional credit. Variable credit.

GRADUATE PROGRAMS

Degree Options

All of Indiana Tech's graduate degrees take advantage of the Accelerated Degree Program to provide the necessary skills to excel in business. The following graduate degrees are available:

- Master of Business Administration (MBA)
  - Accounting
  - Health Care Management
  - Human Resources
  - Management
  - Marketing
- Master of Science in Engineering Management (MSE)
- Master of Science in Management (MSM)
- Master of Science in Organizational Leadership (MSOL)
- Master of Science in Police Administration
- MBA/MSM Dual Degree
- MBA/MSE Dual Degree
- Ph.D. in Global Leadership
  - Organizational Management
  - Academic Administration

The specific course requirements for each degree are outlined on the following pages.

Master of Business Administration

The MBA focuses on examining an organization from a functional strategic approach. This approach includes emphasis on management, marketing, finance, accounting, and economic principles in both the domestic and international marketplaces. MBA students can become immersed in a concentration that best fits their goals. Concentrations are offered in accounting, health care management, human resources, management, and marketing.

Prerequisites

Students must have completed the following courses with a grade of C or better:

- Principles of Management
- Principles of Marketing
- Accounting Principles
- Corporate or Managerial Finance

Students may have dual concentrations; however, they must complete the required courses for each concentration.

Master of Business Administration (MBA) — Accounting

The accounting concentration of the Master of Business Administration is uniquely designed to promote career advancement for accounting professionals. Through a partnership with Becker CPA Review, Indiana Tech offers graduate students the opportunity to earn credit toward an MBA while preparing for the CPA exam.

Core Courses

MBA 5000	Executive Management (first course)	3
MBA 5210	Business Statistics	3
MBA 5220	Marketing Management	3

Also Required

MBA 5110	Management Information Systems	3
MBA 5120	Managerial Economics	3
MBA 5200	Financial Management	3
MBA 5310	Business Ethics	3
MBA 5330	Business Law	3
MBA 7000	Business Policy & Strategy	3

Accounting Concentration Courses

MBA 6810	Communication for Accountants	3
MBA 6820	Fraud Examination	3
MBA 6845	Government & Not-for-Profit Accounting	3
MBA 6860	Becker CPA Review	6

Total Credits **42**

* MBA 6860 is the last course in the program for students in the accounting concentration. The student's grade is based upon the number of "Certificates of Continuing Help" received by the Becker CPA review. Four certificates is an A. Three certificates is a B. Two certificates is a C. One or none is an F.

Master of Business Administration (MBA) — Health Care Management

The requirements for the health care management concentration are listed below. This concentration is only available online.

Core Courses

MBA 5000	Executive Management	3
MBA 5130	Managerial Accounting	3
MBA 5210	Business Statistics	3
MBA 5220	Marketing Management	3

Also Required

HCM 5300	Health Care Law	3
MBA 5110	Management Information Systems	3
MBA 5120	Managerial Economics	3
MBA 5200	Financial Management	3
MBA 5310	Business Ethics	3
MBA 7000	Business Policy and Strategy	3

Concentration Courses

HCM 5000	Introduction to Health Care Management	3
HCM 6200	Health Care Operations and Quality	3
HCM 6300	Health Care Policy and Ethics	3
HCM 6400	Health Care Finance	3

Total Credits **42**

Master of Business Administration (MBA) — Human Resources

The Master of Business Administration in human resources is designed to provide students with an advanced and in-depth knowledge of managing employees, an organization's human resources. In addition to students being able to choose among several human resource courses, the curriculum is augmented with other advanced business courses.

Core Courses

MBA 5000	Executive Management	3
MBA 5130	Managerial Accounting	3
MBA 5210	Business Statistics	3
MBA 5220	Marketing Management	3

Also Required

MBA 5110	Management Information Systems	3
MBA 5120	Managerial Economics	3
MBA 5200	Financial Management	3
MBA 5310	Business Ethics	3
MBA 5330	Business Law	3
MBA 7000	Business Policy & Strategy	3

Human Resources Concentration

MBA 5600	Human Resource Management	3
MBA 6200	Performance Management	3

Electives **6**

Total Credits **42**

Master of Business Administration (MBA) — Management

The Master of Business Administration in management examines the entire business organization from a functional, strategic approach. Students may choose among several management courses to meet their desired objectives. Additionally, the curriculum is augmented with other advanced business courses.

Core Courses

MBA 5000	Executive Management	3
MBA 5130	Managerial Accounting	3
MBA 5210	Business Statistics	3
MBA 5220	Marketing Management	3

Also Required

MBA 5110	Management Information Systems	3
MBA 5120	Managerial Economics	3
MBA 5200	Financial Management	3
MBA 5310	Business Ethics	3
MBA 5330	Business Law	3
MBA 7000	Business Policy & Strategy	3

Management Concentration

MBA 5300	Organizational Behavior	3
MBA 5340	Operations Management	3

Electives **6**

Total Credits **42**

Master of Business Administration (MBA) — Marketing

The Master of Business Administration in marketing is designed to provide the student with an advanced and in-depth knowledge of marketing. The graduate will be able to choose among several marketing courses to meet their desired objectives. The marketing curriculum is augmented with other advanced business courses.

Core Courses

MBA 5000	Executive Management	3
MBA 5130	Managerial Accounting	3
MBA 5210	Business Statistics	3
MBA 5220	Marketing Management	3

Also Required

MBA 5110	Management Information Systems	3
MBA 5120	Managerial Economics	3
MBA 5200	Financial Management	3
MBA 5310	Business Ethics	3
MBA 5330	Business Law	3
MBA 7000	Business Policy & Strategy	3

Marketing Concentration

MBA 6400	International Marketing	3
MBA 6420	Marketing Research	3

Electives **6**

Total Credits **42**

Master of Science in Engineering Management (MSE)

The Master of Science in Engineering Management is designed for professionals with a technical degree who are preparing to assume more managerial responsibilities, or who are broadening their knowledge base. Topics such as quality assurance, lean manufacturing, and enterprise resource planning are complemented with the study of financial management, project management, managerial economics, and more. This integration creates an educational experience which can be thought of as an MBA with a technical focus.

MSE Courses

MSE 5000	Introduction to Engineering Management	3
MSE 6010	Environmental Health & Safety	3
MSE 6020	Designing for Lean Manufacturing	3
MSE 6030	Enterprise Resource Planning	3
MSE 6040	Computer Integrated Manufacturing	3
MSE 6050	Statistical Methods in Quality Assurance	3
MSE 6060	Legal Implications for the Eng. Manager	3
MSE 7000	Advanced Topics in Engineering Management	3

MBA Courses

MBA 5110	Management Information Systems	3
MBA 5120	Managerial Economics	3
MBA 5130	Managerial Accounting	3
MBA 5200	Financial Management	3
MBA 5220	Marketing Management	3
MBA 6310	Project Management	3

Total Credits **42**

Elective courses are any graduate-level business courses offered by the university or accepted as transfer credit.

MBA/MSE Dual Degree

The dual MBA/MSE degree program is designed for the individual with a technical degree who wants to gain an understanding of the core functional areas of business. A student may take the HR, management, or marketing concentrations in the MBA. Courses marked with an asterisk (*) require TEAM enrollment.

MSE Courses

MSE 5000	Introduction to Engineering Management	3
MSE 6010	Environmental Health and Safety	3
MSE 6020	Designing for Lean Manufacturing	3
MSE 6030	Enterprise Resource Planning	3
MSE 6040	Computer Integrated Manufacturing	3
MSE 6050	Statistical Methods in Quality Assurance	3
MSE 6060	Legal Implications for the Engineering Manager	3
MSE 7000	Advanced Topics in Engineering	3

MBA Courses

MBA 5110	Management Information Systems	3
MBA 5120	Managerial Economics	3
MBA 5130	Managerial Accounting	3
MBA 5200	Financial Management	3
MBA 5220	Marketing Management	3
MBA 5310	Business Ethics	3
MBA 6310	Project Management	3
MBA 7000	Business Policy and Strategy	3

Concentration Classes **6**

Electives **6**

Total Credits **60**

Human Resources Concentration

MBA 5600	Human Resource Management	3
MBA 6200	Performance Management	3

Management Concentration

MBA 5300	Organizational Behavior	3
MBA 5340	Operations Management	3

Marketing Concentration

MBA 6420	Marketing Research	3
MBA 6400	International Marketing	3

Master of Science in Management (MSM)

The Master of Science in Management develops expertise in using qualitative tools in decision making and problem solving. Graduates of the program are equipped with knowledge of leadership processes; total quality and change management; work motivation, empowerment, and organizational culture; financial decision-making and general management practices.

Core Courses

MBA 5000	Executive Management	3
MSM 5100	Qualitative Decision-Making	3
MSM 5125	Accounting & Finance for Managers	3

Also Required

MBA 5220	Marketing Management	3
MBA 5300	Organizational Behavior	3
MBA 5310	Business Ethics	3
MBA 5320	Quality Management	3
MBA 5600	Human Resource Management	3
MBA 6600	Employment Law	3
MSM 6400	Managing Change	3
MSM 7200	Applied Management Project	3
MSOL 6800	Leading Strategy-Analysis, Planning & Implementation	3

Total Credits **36**

MBA/MSM Dual Degree Program

The dual MBA/MSM degree program is designed for the individual who wants competency in both the leadership skills obtained within the MSM curriculum along with the solid business analysis and quantitative skills offered within the MBA program.

Core Courses

MBA 5000	Executive Management	3
MBA 5130	Managerial Accounting	3
MBA 5210	Business Statistics	3
MBA 5220	Marketing Management	3

Also Required

MBA 5110	Management Information Systems	3
MBA 5120	Managerial Economics	3
MBA 5200	Financial Management	3
MBA 5300	Organizational Behavior	3
MBA 5310	Business Ethics	3
MBA 5320	Quality Management	3
MBA 5340	Operations Management	3
MBA 5600	Human Resource Management	3
Choose one of the two following courses		3
	MBA 5330 Business Law	
	MBA 6600 Employment Law	
MBA 7000	Business Policy & Strategy	3
MSM 5100	Qualitative Decision Making	3
MSM 6400	Managing Change	3
MSOL 6800	Leading Strategy-Analysis, Planning & Implementation	3

Electives **6**

Total Credits **57**

Elective courses are any graduate-level business courses offered by the university or accepted as transfer credit.

Master of Science in Organizational Leadership (MSOL)

The organizational leadership program provides students with the leadership competencies needed for middle management success in a variety of job families and functions. To fully develop the leadership skills of students, the program focuses on four key competency areas: operations and administrative competencies; human relations and interpersonal competencies; decision-making and critical thinking competencies; and communication competencies.

Leadership Fundamentals

MBA 5310	Business Ethics	3
MSOL 5000	Leadership Styles & Leadership Dev.	3
MSOL 6600	Leadership Prob. Anal. & Decision Making	3
MSOL 6700	Developing Human Capital	3

Leading the Organization

MBA 5110	Management Information Systems	3
MSM 6400	Managing Change	3
MSOL 5500	Financial Concepts for Leaders	3
MSOL 5400	Building Organizational Excellence	3

Leadership Research and Strategy

MSOL 6800	Leading Strategy-Analysis, Planning & Implementation	3
MSOL 7400	Leadership Project I	3
MSOL 7500	Leadership Project II	3
MSOL 7600	Leadership Project III	3

Total Credits **36**

Ph.D. in Global Leadership

The Ph.D. in Global Leadership will require a minimum of 60 credits of graduate coursework consisting of four program components as follows:

I. Research Core (18 credits minimum)

RES 7000	Introduction to Research Methods	3
RES 7011	Research Critique	3
RES 7012	Research Design	3
RES 7013	Quantitative Methods of Research	3
RES 7014	Qualitative Methods of Research	3
RES 7015	Global Leadership Research	3

II. Global Leadership Core (18 credits)

Choose 6 of the following:

LDS 7001	Leadership Theory & Research	3
LDS 7002	Leading in a Time of Change	3
LDS 7003	Communications in Global & Diverse Contexts	3
LDS 7004	Ethics, Governance & Social Responsibility	3
LDS 7005	Global Leadership Development	3
LDS 7006	Developing Human Capital	3
LDS 7007	Global Strategic Leadership	3

III. Specialization: Select one (18 credits)

Organizational Management

OLM 7001	Organizational Behavior & Culture	3
OLM 7002	Marketing Theory & Research	3
OLM 7003	Service Science Management & Development	3
OLM 7004	Managing Innovation & the Learning Organization	3
OLM 7005	Managing for Financial Performance & Accountability	3
OLM 7006	Strategic Development of Multinational Organizations	3

Academic Administration

HEA 7001	Theories and Research in Academic Administration	3
HEA 7002	Higher Education Policy & Accountability	3
HEA 7003	Legal Issues and Responsibilities in Higher Education	3
HEA 7004	Managing Financial Performance & Accountability	3
HEA 7005	Comparative Higher Education	3
HEA 7006	The Contemporary College Student	3

IV. Dissertation (6 credits minimum)

RES 8001	Dissertation Research Seminar & Prospectus	3
RES 8002	Dissertation Proposal Development, Defense, & IRB Application	3
RES 8011	Continuous Development of the Qualifying Paper	1 to 6
RES 8022	Dissertation Completion	1 to 6

Academic Information

Admission Requirements

The graduate program is designed to serve the working professional adult student. The assumption of the university is that by working for a period of time prior to the pursuit of a graduate degree, the student has attained considerable knowledge, maturity and discipline that is not common in traditional-age students. These characteristics are essential for successful completion of the degree program; hence, they are incorporated into the admissions requirements. The admissions guidelines for the graduate school are as follows:

- Baccalaureate degree
- Minimum undergraduate GPA of 2.5
- Two (2) years of significant work experience
- Completion of the Graduate Division Application Package (e.g., application form, recommendations, etc.)

If the applicant does not meet the minimum work experience, the following criteria can be substituted:

- Minimum undergraduate GPA of 2.5 plus 200 times undergraduate GPA plus GMAT score must equal or exceed 1000 total points.

Additional MBA Admissions Requirements

Additionally, all MBA students must have completed the following courses with a grade of "C" or better:

- Principles of Management
- Principles of Marketing
- Accounting Principles
- Corporate or Managerial Finance

Students who do not meet these prerequisites should contact their admissions representative to discuss the available alternatives. The admissions committee makes all admissions decisions. If the committee finds any deficiencies for admission, the committee, along with the graduate dean, will determine how the student may correct the deficiencies.

MBA Accounting Admissions Requirements

The following are requirements for an individual to be accepted into the MBA accounting concentration:

- Student must have obtained an accredited baccalaureate degree.
- Student must have completed at least 24 undergraduate credit hours in accounting.
- Student must have completed at least 24 credit hours in business and economics courses, other than accounting. These courses can be at the undergraduate and/or graduate level.

The business courses may include up to 6 hours of business and tax law courses and up to 6 hours of computer science. The accounting hours must include courses covering financial accounting, auditing, taxation, and managerial accounting.

The Indiana Board of Accountancy may change CPA requirements at any time. Contact your graduate advisor with any questions.

MSE Admissions Requirements

To be admitted to the Master of Science in Engineering Management program, students must meet the following admission requirements:

- The student must have obtained a regionally accredited bachelor of science in a technical field
- The student must have a minimum cumulative undergraduate GPA of 2.5
- The student must have completed at least one undergraduate accounting course and one finance course

MSM Admissions Requirements

All MSM students must have completed Principles of Management with a grade of C or better.

MSOL Admissions Requirements

To be admitted to the Master of Science in Organizational Leadership, students should meet the following requirements:

- Minimum of three years of work experience with an increasing level of supervisory responsibilities
- A bachelor's degree (in any field) from an accredited institution, with a cumulative grade point average of 2.50 or better
- Three letters of recommendation
- A brief essay expressing your reasons for applying and expectations for the program
- A current résumé

Graduate Transfer Credit

Students who have attended graduate classes at another college or university may transfer credit under the following guidelines:

- Courses must be business-related with grades of "B" or better.
- The number of credits to be transferred cannot exceed nine (9) credit hours.
- An official transcript must be received by Indiana Tech.
- The institution at which the credit was earned must be regionally accredited.
- The prospective student must submit a course description and, if possible, a course syllabus.

Graduation Requirements

To qualify for graduation from Indiana Tech, students must:

- Complete all necessary credit hours for the degree, with no more than nine (9) transfer credits.
- Achieve a minimum GPA of 3.0 with no more than nine (9) credit hours of "C" or better work counting toward the degree.
- Complete all course work within seven (7) years after completing the first class.
- Satisfy all financial obligations to the university.

Ph.D. Program

Admissions Requirements

Admissions decisions for the Ph.D. in Global Leadership will be based on:

- Completion of the Indiana Tech doctoral division application.
- Official transcripts of all previous undergraduate and graduate work including evidence of completion of a master's degree at a regionally accredited institution.
- Scores on one of the following admissions tests: GMAT, LSAT, GRE, MAT (Others may be considered at the request of the student to the program director.)
- An original essay addressing the candidate's interest in the program and intended goals.
- A current resume including educational record, employment history and relevant accomplishments, publications, presentations, and professional contributions.
- A scheduled interview upon receipt of all the above materials.

Transfer Credits

Credit hours may be transferred into the Ph.D. program in accordance with the following criteria:

- A maximum of six graduate credit hours may be transferred from coursework applied to a completed master's degree.
- A maximum of 12 graduate credit hours from a fully accredited graduate school may be transferred into the Ph.D. program (maximum of six of which were applied to a completed master's degree). Transfer credit will be awarded only for courses evaluated and found to be comparable in content to those which are part of the course of study.

Procedure for Requesting Transfer Credit

Requests for transfer credit should be directed in writing to the Ph.D. program director no later than during the first term of doctoral study. The requests must include:

official transcript showing the course(s) for which transfer credit is requested and course description from the catalog or syllabus of the course.

Degree Completion Requirements

Successful completion of the Ph.D. in Global Leadership includes:

- Meet the prerequisite for statistics competency (RES 6000 or equivalent).
- Complete a minimum of 60 doctoral credit hours of coursework including 15 credit hours of research core, 21 credit hours of global leadership core, 18 credit hours of specialization, and a minimum of 6 credits of dissertation.
- Maintain a cumulative GPA of 3.25 and a grade of C or higher in all coursework for the degree. Grades of C must be repeated. No more than two courses may be repeated and no course may be repeated more than once. Exceptions may be considered and must be requested by submitting a petition to the program director.
- Complete the residency requirement.
- Maintain continuous program enrollment of at least one course per semester. Students are eligible for up to one-year leave of absence from study in the degree program.
- Complete the degree within six calendar years from the date of the student's initial course start date. Students may request a one-year extension of this time requirement.
- Prepare an acceptable qualifying paper.
- Prepare and successfully defend (a) the dissertation proposal and (b) the dissertation.
- Meet all financial, academic and other related obligations of Indiana Tech and the Ph.D. program.

GRADUATE COURSE DESCRIPTIONS

All courses are 3 credits unless otherwise noted.

HEALTH CARE MANAGEMENT

HCM 5000 Introduction to Health Care Management
Prerequisite: Core Courses.
Focuses on the health care system of the United States. The student will explore the characteristics that make this system unique and complex. Students will be introduced to the evolution, financing, and administration of a variety of health care organizations. 3 credits.

HCM 5300 Health Care Law
Prerequisite: HCM 5000.
Students will gain an understanding of the basic laws that govern health care and how they affect the delivery of health care services. Topics will include reimbursement law, malpractice, liability, HIPPA, patient/provider relationships, quality-of-life decision making, and licensure. 3 credits.

HCM 6200 Health Care Operations & Quality
Prerequisite: HCM 5000.
Students will be introduced to the quality concepts that help improve operational processes that are part of the health care delivery system. Students will analyze different types of health care organizations to develop recommendations for improvement. 3 credits.

HCM 6300 Health Care Policy & Ethics
Prerequisite: HCM 5000.
Students will examine public policy making in the health care sector. Students will learn the guiding principles of policy formulation and analysis and apply them to a range of health care issues. In addition, the course will focus on the major ethical issues facing health care providers, payers, and patients. 3 credits.

HCM 6400 Health Care Finance
Prerequisite: HCM 5000.
Provides an overview of the techniques used in the financial management of health care organizations. Topics will include sources of health care funding, third party payment or reimbursement, the implications of uninsured patients, budgeting, and capital asset evaluation. 3 credits.

MASTER OF BUSINESS ADMINISTRATION

MBA 5000 Executive Management
Prerequisite: First course in the program.
A study of the executive management function in organizations. Emphasis will

be given to the expectations of executive-level managers, including leadership, motivation, strategic thinking, and tools such as research skills, technological competence, and time management. 3 credits.

MBA 5110 Management Information Systems
A study of information flows and information needs within organizations and technological responses to those needs. Attention will be given to the information needs of the full range of organizations from the very small firm, whose needs may be met with office suite software, to the largest multi-site organizations, which maintain information Intranets. Topics covered will include: business processes, data resources, information systems hardware and software, telecommunications, electronic enterprise, systems design. 3 credits.

MBA 5120 Managerial Economics
Prerequisite: MBA 5210.
A review of economic tools in managerial decision-making. Demand analysis and forecasting, cost analysis, production function, market structures, and public sector analysis are covered. 3 credits.

MBA 5130 Managerial Accounting
Prerequisite: MBA 5000 or MSE 5000, for non-MBA accounting majors only.
A study of accounting data used internally by business managers in directing the activities of manufacturing and service organizations. Topics include cost accumulation, budgeting, pricing, and the use of this information in the planning, control, and decision making activities. 3 credits.

MBA 5200 Financial Management
Prerequisite: MBA 5130.
A study of the business organization's financial planning, problems of working capital management, capital budgeting, dividend policy, and comprehensive problems. 3 credits.

MBA 5210 Business Statistics
Prerequisite: MBA 5000 or MSE 5000.
The application of mathematical and basic statistical methods to decision-making in all organizations. A computer software package will be used as a comprehensive hands-on reference tool to analyze data and to present findings. 3 credits.

MBA 5220 Marketing Management
Prerequisite: MBA 5000 or MSE 5000.
A study of strategic market analysis and planning. Specific emphasis will be given to market situation analysis, strategy and program development, and implementation and control of a marketing plan. 3 credits.

MBA 5300 Organizational Behavior

Prerequisite: MBA 5000.

A study of behavior in corporate and organizational settings, including motivation, leadership, communication and power. Understanding contextual and environmental issues will be emphasized. Current and popular theoretical approaches will be examined. 3 credits.

MBA 5310 Business Ethics

In this course students learn about the complex responsibilities facing business leaders today. Through cases about difficult managerial decisions, the course examines the legal, ethical and economic responsibility of corporate leaders. It also teaches students about management and governance systems leaders can use to promote responsible conduct by companies and their employees, and shows how personal values can play a critical role in effective leadership. 3 credits.

MBA 5320 Quality Management

Prerequisite: MBA 5000.

An integrated study in the design and implementation of quality management tools including relevant problem-solving methods and behavioral models from a process-oriented perspective. 3 credits.

MBA 5330 Business Law

Prerequisite: MBA 5000.

This course examines business law from the perspective of the professional (non-legal) manager. The course examines fundamental legal concepts and terminology, providing a basic foundation in civil procedure, and furnishing a substantive analysis of business torts, product liability, negligence, contract law, commercial law and the Uniform Commercial Code (UCC), debtor/creditor law, bankruptcy law, administrative law, alternative dispute resolution, and the litigation process. 3 credits.

MBA 5340 Operations Management

Prerequisites: MBA 5000; MBA 5210.

This course examines the tools and techniques used by operations managers to make strategic and tactical decisions for their organizations. This course also focuses on the design, management, and improvement of operations activities for the production of goods and services. 3 credits.

MBA 5600 Human Resource Management

Prerequisite: MBA 5000.

A study of the following key areas of HR: management practices, selection and placement, training and development, compensation and benefits, employee and labor relations, health/safety and security, and international HR issues. The Society for Human Resource Management (SHRM) Learning System will be utilized to facilitate

the learning process required in the key HR areas. 3 credits.

MBA 6200 Performance Management

Prerequisite: MBA 5000.

This course is a study in performance management as a continuous process of identifying, measuring, and developing the performance of individuals and teams and aligning performance with the strategic goals of the organization. Performance management systems are described as key tools to transform people's talent and motivation into a strategic organizational advantage. In addition, performance management is discussed as an integral part of all organizational units and not the domain of the HR function only. 3 credits.

MBA 6210 Labor Relations

Prerequisite: MBA 5600.

This course is a study of industrial relations and the labor-management relations function of the modern work organization. The course examines problems, strategies, and policies of management interactions with formal and informal labor organizations. Labor legislation, collective bargaining, productivity analysis, and arbitration are stressed, with emphasis on negotiating strategies and techniques. Some time is also devoted to alternative dispute resolution as well as current trends in the labor movement. 3 credits.

MBA 6220 Compensation Management

Prerequisite: MBA 5600.

This course is a study of the strategic approach for motivating human performance in organizations through a total compensation system. The focus of the course will be on a blending of compensation management theory and trends with specific strategies regarding creating a corporate compensation system. Theoretical models from economics, psychology, and sociology are integrated in analyses of issues of wage structuring, the design of incentives, and wage level. Practical exercises in the design of compensation systems are employed. 3 credits.

MBA 6310 Project Management

Prerequisites: MBA or MSE 5000; MBA 5120; MBA 5200.

A study of effective project planning and management. Topics covered include: project goals and objectives, feasibility study including estimation of completion times and costs, evaluation and review, incentives, and quantitative analysis. Case studies and project management software will be used extensively. 3 credits.

MBA 6400 International Marketing

Prerequisite: MBA 5220.

This course focuses upon the four decision areas of marketing: product decisions, pricing decisions, promotion decisions, and distribution decisions in a global context.

Emphasis will be placed upon a whole-strategy approach to entering global markets. The mechanics of import/export will also be addressed. 3 credits.

MBA 6420 Marketing Research

Prerequisite: MBA 5220.

A study of the generation, organization, interpretation, and use of marketing Information in the business enterprise. The strategic role of marketing information is emphasized. Topics covered include: sources of information, research design and implementation, hypothesis testing, and problem-solving/decision-making. 3 credits.

MBA 6430 Professional Selling & Sales Force Management

Prerequisite: MBA 5220.

An exploration of the knowledge, tactics and strategies for building and sustaining a contemporary sales organization. This study enables students to develop personal selling skills as well as the knowledge for managing a sales force. The management issues discussed in this course include hiring, training, and motivating salespersons as well as sales forecasting, planning and sales force organization. 3 credits.

MBA 6440 Advertising & Promotion Management

Prerequisite: MBA 5220.

Companies of all sizes face challenging decisions on how to reach prospects and retain their current customer base. The ever-changing economy, predicting and meeting consumer demands, the growth of ethnic markets, emerging technologies and the changing demographics are issues that companies face when advertising and promoting their product. Prior knowledge in market research will enable you to implement the key advertising principles and practices while providing you with the knowledge on how IMC (integrated marketing communication) plays a critical role in building customer relationships and brands. 3 credits.

MBA 6490 Special Topics in Marketing

Prerequisite: MBA 5220.

Directed study of a special body of subject matter in the field of marketing. 3 credits. This course may be repeated for additional credit.

MBA 6500 Small Business Management

Prerequisites: MBA 5200; MBA 5220.

A study of the smaller business enterprise and the special management issues and challenges faced by the proprietor/entrepreneur. Emphasis will be given to problem-solving and decision-making in the major functional areas common to small enterprises. Case studies will be used. 3 credits.

MBA 6600 Employment Law

Prerequisite: MBA 5600.

A review of the major regulatory influences that affect human resource management. The regulatory focus will include civil rights, compensation and benefits, employee health and safety, along with labor relations legislation. 3 credits.

MBA 6610 Seminar in Human Resources

Students will attend the National Convention for the Society of Human Resource Management (SHRM). This course is a capstone event that requires professional membership in the SHRM and the opportunity to become professionally certified. Most issues addressed at the conference will be globally related and will include: sexual harassment, compensation planning, disabilities, flexible workplaces, global education, legal perspectives, along with approximately 100 other topics. In addition, the networking and the trade show are spectacular conference events. 3 credits.

MBA 6690 Special Topics in Human Resources

Prerequisite: MBA 5600.

Directed study of a special body of subject matter in the field of human resources. 3 credits. This course may be repeated for additional credit.

MBA 6700 E-Business Technology

Prerequisite: MBA 5110.

This course gives an overview of the technologies relevant to electronic business including strategic planning issues such as operating systems, networking, enterprise resource planning, supply chain management, computer security, electronic transaction processing, and other e-business issues. After completing this course, students should be able to understand the functions of the technologies that support e-business. 3 credits.

MBA 6800 Accounting Automation

Prerequisite: MBA 5130 or MBA accounting major.

The objectives of this course are: (1) to present and integrate accounting principles in such a way that no prior knowledge of computerized accounting is required; (2) to provide a hands-on approach to learning how modern computerized automated accounting systems function; and (3) to provide knowledge and hands-on experience in integrating accounting with other business applications such as spreadsheets and word processors. 3 credits.

MBA 6810 Communication for Accountants

Prerequisite: MBA 5130 or MBA accounting major.

This course is designed for MBA accounting majors to acquire and practice the skills for effective CPA/client communications and to apply these skills during the written portions of the computer-based CPA exam. Emphasis will be placed on AICPA

criteria of coherent organization, conciseness, clarity, responsiveness to questions, appropriateness to readers, and use of Standard English. Assignments will include CPA/client communications such as Letters of Engagement, communicating results of accounting reviews, accounting opinions, and notes to financial statements. 3 credits.

MBA 6820 Fraud Examination

Prerequisite: MBA 5130 or MBA accounting major.

This course will emphasize the conduct of fraud examinations, including a discussion of specific procedures used in forensic accounting examinations and the reasoning behind the use of these procedures. Detection, investigation, and prevention of specific types of fraud committed against organizations and individuals. 3 credits.

MBA 6845 Government and Not-For-Profit Accounting

Prerequisite: MBA 5130 or MBA accounting major.

Provide accounting majors with the fundamentals of government and not-for-profit accounting standards and skills. 3 credits

MBA 6860 Becker Review

Prerequisite: At least 36 credits.

Becker Review - A four-part review course designed to prepare the student to sit for the online CPA Exam. Content: 1) Financial Accounting and Reporting: covers general accounting concepts tested in this part of the CPA Exam, including GAAP (Generally Accepted Accounting Principles) for business enterprises, not-for-profit organizations, and governmental entities. Addresses the necessary application skills. 2) Auditing and Attestation: Covers auditing practices and the required attestation as tested on this part of the CPA Exam. Includes auditing procedures, GAAS (Generally Accepted Auditing Standards), and other related attest engagements. Addresses the skills needed for application, thus moving from theory to practice. 3) Business Environment and Concepts: Covers general business related topics as tested in this part of the CPA Exam, including knowledge of general business environment and business concepts that candidates must know in order to understand the underlying business reasons for and accounting implications of business transactions. Addresses the skills needed to apply that knowledge. 4) Regulation: Covers regulatory issues, including federal taxation, ethics, professional and legal responsibilities, and business law. Addresses essential skills needed to apply this knowledge. 6 credits.

MBA 6990 Business Praxis

Prerequisite: Permission of the College of Business Dean

Application of business skills, knowledge, and abilities to business projects and/or consulting experiences. This course may be repeated for additional credit. 3 credits.

MBA 7000 Business Policy & Strategy

Prerequisite: At least 36 credits, core courses, MBA 5200.

Enrollment requires advisor's approval. A review of the applied research for managerial planning decisions and actions that assist in determining the long-run performance of organizations. Emphasis is placed on the process of strategy formulation, implementation, evaluation, and control for organizations of all sizes. 3 credits.

MASTER OF SCIENCE IN ENGINEERING MANAGEMENT

MSE 5000 Introduction to Engineering Management

An overview of the field of engineering management including, technical, management and integrated issues. Tools helpful throughout the program, such as research skills, will be introduced. The first course in the program. 3 credits.

MSE 6010 Environmental Health & Safety

Prerequisite: MBA 5000 or MSE 5000.

An introduction to the state and federal regulations for safety and environmental compliance. This course also covers ISO standards for environmental health and safety. Students will learn to identify how standards apply to various industries and will apply these skills in performing an audit to determine whether operations conform to the standards. 3 credits.

MSE 6020 Designing for Lean Manufacturing

Prerequisite: MBA 5000 or MSE 5000.

A study of the principles and practices necessary to establish/maintain a lean operation. Concepts covered include: theory of constraints, Takt time, pull systems, lean accounting, value stream mapping, waste free manufacturing, workplace organization, quick change-over, just-in-time, and mistake-proofing. Through hands-on exercises, students will learn to apply these concepts in real-world situations. 3 credits.

MSE 6030 Enterprise Resource Planning

Prerequisite: MBA 5000 or MSE 5000.

Explores the relationship of existing and emerging processes and technologies to manufacturing strategy and supply chain-related functions. This course addresses: aligning resources with the strategic plan, configuring and integrating operating processes to support the strategic plan, and implementing change. Concepts include supplier relationship management (SRM), strategic sourcing, throughput supply chain measurements such as inventory dollar days and throughput dollar days, product life cycle management (PLM), and customer relationship management (CRM). 3 credits.

MSE 6040 Computer Integrated Manufacturing
Prerequisite: MBA 5000 or MSE 5000
Integration of facilities (machines tools, robotics) and the automation protocols required in the implementation of computer integrated manufacturing are studied. Specific concepts will include concurrent engineering, rapid prototyping, interfaces between computer-aided design (CAD) and computer-aided manufacturing systems (CAM), and control of manufacturing systems: numerical control (NC) and computer numerical control (CNC); programmable logic controller (PLC); computer aided process planning (CAPP) and manufacturing scheduling. 3 credits.

MSE 6050 Statistical Methods in Quality Assurance
Prerequisite: MBA 5000 or MSE 5000.
The quantitative aspects of quality are studied, such as control charts, process capability, reliability, and design of experiments. 3 credits.

MSE 6060 Legal Implications for Engineering Managers
Prerequisite: MBA 5000 or MSE 5000.
A study of patent law, product liability, labor law and other legislation relevant to the engineering discipline. 3 credits.

MSE 7000 Advanced Topics in Engineering Management
Integrates the elements of engineering management in a capstone, project-based environment. Last course of the program. 3 credits.

MASTER OF SCIENCE IN MANAGEMENT

MSM 5100 Qualitative Decision-Making
Prerequisite: MBA 5000.
This course will aid the student in using qualitative methods to identify the root cause of problems in business, evaluate alternative responses to these problems, and propose solutions. Emphasis is placed on the application of qualitative research methods to specific business problems and managerial decision-making. The course introduces methods that will be used to collect and interpret data for the applied management project capstone course (e.g., surveying, interviewing, and conducting focus groups). 3 credits.

MSM 5125 Accounting & Finance for Managers
Prerequisite: MBA 5000.
The course touches on the planning and control responsibility of managers and surveys the acquisition, analysis, and reporting of accounting information. The course also focuses on impact of financial data on effective management decision-making. The links between finance and strategic planning and implications for the overall health

and success of the organization are explored. 3 credits.

MSM 5350 Customer Relationship Management
Prerequisite: MBA 5000.
Students will analyze organizations to develop effective strategies for customer relationship management. Students will evaluate customer touch points to improve customer service and build customer loyalty. Students will develop models to identify and measure individual perceptions to determine real customer needs. 3 credits.

MSM 5400 Negotiation Skills
Prerequisite: MBA 5000.
Introduces the process of mutual gain by developing long-term relationships with negotiation partners. It will concentrate on strategies that are successful in business and will cover topics such as: separating the problem from the person, invention of options, and best alternatives. The course will utilize exercises and simulations. 3 credits.

MSM 6400 Managing Change
Prerequisite: MBA 5000.
This course examines the role of change in organizations. A theoretical background in organization development will be introduced in tandem with practical skills and knowledge of change management. Students will define change, analyze factors that affect change, and learn how to effectively facilitate change in their organizations. 3 credits.

MSM 7200 Applied Management Project
Prerequisites: MSM 5100; MSM 5125; MSM 6400.
This reality-based capstone course requires the student to synthesize and integrate the theoretical and practical knowledge that has been learned from prerequisite courses in the MSM curriculum. The completion of this course includes one of two tracks: an applied company project or an academic "mini-thesis." Students will design and implement projects that focus on real-world problems. Students may work on problems within their own companies, organizations to which they belong, or organizations with which the university has a relationship (e.g., alumni companies). As a second option, the student may choose an academic "mini-thesis." The instructor must approve the subject matter of the project. 3 credits.

MASTER OF SCIENCE IN ORGANIZATIONAL LEADERSHIP

MSOL 5000 Leadership Styles & Development
This course provides a comprehensive analysis of major leadership theories and

models. This exploration and assessment of personal leadership style and leadership dimensions leads to a final course outcome of a leadership journey assessment and action plan for each student. 3 credits.

MSOL 5400 Building Organizational Excellence
Achieving excellence in a variety of mission-critical dimensions in critical for all organizations in today's competitive global economy. A comprehensive review of well researched theories and practitioner models are presented in this course including issues related to knowledge management, quality management, innovation management and the development of high performing teams and cultures. The impact of positive psychology on organizational excellence and a global perspective are also explored. 3 credits.

MSOL 5500 Financial Concepts for Leaders
This course provides an overview of the financial concepts that are necessary for responsible fiscal management of an organization. This course also focuses on impact of financial data on effective management and decision-making. The links between finance and strategic planning and implications for overall health and success of the organization are explored. 3 credits.

MSOL 6600 Leadership Problem Analysis and Decision Making
Research indicates the daily activities of leaders and managers focuses largely on problem analysis and decision making. This course provides a thorough understanding of the fundamental models, tactics and tools of this critical leadership competency. Core topics include critical thinking, problem analysis and decision support tools and techniques, and the basics of project management. The role of the leader in group decision making, conflict resolution and negotiation strategy is also reviewed. 3 credits.

MSOL 6700 Developing Human Capital
Contemporary management literature emphasizes the importance of human capital as organizations strive to create a competitive advantage in today's knowledge and service economies. This course provides an in-depth review of models and strategies of human capital development including integrated talent management, individual and management development and competency modeling. Strategic human resources and a global perspective on human capital development are also examined. 3 credits.

MSOL 6800 Leading Strategy-Analysis, Planning, & Implementation
Prerequisites: MSOL 5400, MSOL 6700.
An organization is able to compete more effectively when there is a shared understanding among the leaders and team members regarding the strategic direction and the requirements needed to achieve organizational goals. This course provides a comprehensive understanding of various theoretical perspectives on strategy and

strategic planning as well as practitioner models used in organizations. The critical role of the leader in the strategic planning process is also evaluated. 3 credits.

MSOL 7400 Leadership Project I
Prerequisites: MSOL 5400, MSOL 6700.
This is the first course in a three-course capstone sequence. This sequence of courses provides students with an opportunity to explore organizational issues in-depth through original research and communicate results in a graduate level environment. In this first course, having the theoretical and practical knowledge learned throughout the organizational leadership curriculum, students will develop the initial sections of the project (Abstract, Introduction, and Review of Related Literature). This course should be taken in the last half of the program. 3 credits.

MSOL 7500 Leadership Project II
Prerequisites: MSOL 7400.
This is the second course in a three-course sequence and is a continuation of MSOL 7400. Students will go through the IRB (Institutional Review Board) process and add the Design & Methodology section to the project started in the previous course. 3 credits.

MSOL 7600 Leadership Project III
Prerequisites: MSOL 7500.
This is the third course in a three-course sequence and is a continuation of MSOL 7500. Students will complete the project by adding the Findings, Conclusions, and Recommendations sections. 3 credits.

PH.D. IN GLOBAL LEADERSHIP

HEA 7001 Theories & Research in Academic Leadership
Critically analyze theories, research and best practices about academic leadership and culture employed by individuals and organizations in higher education in the United States and globally. How culture, national and international politics, and institutional mission inform higher education leadership is examined. Mission, vision and function of public, private, not for profit and for profit colleges and universities; leadership roles; governance functions including shared governance; union and non-union organizations; relationships with internal and external constituencies; problems of practice and power will be analyzed. 3 credits.

HEA 7002 Higher Education Policy & Accountability
Policy and issues in higher education. Analysis of public expectations of higher education including accountability for student learning and transparency of operating functions. Contemporary public policy issues such as access, affordability, affirmative

action, funding for scientific research are analyzed. Practices in accreditation, relationships among institutions to maximize opportunities for students and to provide diverse experiences in order to be prepared to enter the global society, and strategies to adapt to expanding reporting requirements will be compared and critically analyzed to determine best practices. 3 credits.

HEA 7003 Legal Issues in Higher Education
Higher education legal processes, rights, responsibilities, duties and liabilities of faculty, administrators, and students within the context of higher education. Topics such as academic freedom, affirmative action, free speech, disability rights and access/use of electronically accessed information will be analyzed. Studies from constitutional, statutory, and case law will be addressed. 3 credits.

HEA 7004 Higher Education Finance & Resource Management
The acquisition and allocation of funds and resources in higher education are studied. Sources and methods of securing and managing funds. Design and leadership of budgeting processes to address the institution's strategic planning processes and linkage to mission and purposes. Financial formulas to determine institutional viability. Strategies to manage physical, technology, human, and financial resources to assure continuity. 3 credits.

HEA 7005 Comparative Higher Education
Comparative study of current trends in higher education in the United States and globally including curricular models, delivery methods, cultural influences and implications; global institutional partnerships; governmental involvement, accountability and reporting requirements. 3 credits.

HEA 7006 The Contemporary College Student
Intellectual, social, psychological, and cultural contexts of the student experience. Leadership role in meeting student and societal expectations for integrated learning and social experiences. Providing appropriate and high quality experiences to students of varying abilities, needs and expectations. 3 credits.

LDS 7001 Leadership Theory & Research
A foundational course in the critical analysis of seminal theoretical and empirical leadership theories, research and best practices. The concepts and dimensions of leadership are evaluated from the early trait and behavioral theories to the more recent theories which emphasize transformational and servant leadership models. Ethics and morality in leadership decision-making and case studies that examine emerging leadership situations are also analyzed. 3 credits.

LDS 7002 Leading in a Time of Change
Literature and best practices related to the emerging roles of the leader as an agent of change are examined. Theories and models of change management are evaluated including organizational learning, organizational development, appreciative inquiry, sense-making and contingency approaches. Also examined are forces for change, diagnosis for change, visioning, resistance to change, the recipients of change, and consolidating change. 3 credits.

LDS 7003 Communications in Global & Diverse Contexts
Communications literature and best practices are analyzed to understand and maximize human interaction in global and diverse contexts. Effective communication for various leadership roles is examined including interpersonal, small group, organizational, and public situations. Skills to develop intercultural competence and evaluating communication barriers that prevent the understanding of a leader's message are explored. 3 credits.

LDS 7004 Ethics, Governance & Social Responsibility
Ethical theories and research are examined, along with professional codes of conduct and best practices for effective ethical leadership in global organizations. A review of recurring ethical dilemmas results in the development of a personal code of ethics appropriate for global leadership. The literature and best practices related to the leader's role in promoting effective governance for a healthy organization along with social responsibility and sustainable development are examined. 3 credits.

LDS 7005 Global Leadership Development
From a global perspective, leadership development models are analyzed with a focus on organizational and individual outcomes. Leadership development practices are evaluated as they relate to and impact the development of intellectual capital, organizational innovation, talent management, succession planning and executive selection criteria. Leadership development programs for expatriates and effective modes of leadership development for different countries and cultures are analyzed. 3 credits.

LDS 7006 Developing Human Capital
Classic and recent research, models and best practices for the development of human capital are examined. Approaches to linking organizational strategy, culture, and human resources practices are evaluated with an emphasis on talent development and the use of human capital to create a competitive advantage. Processes to develop and measure individual and team performance are examined. The unique challenges of leading project, virtual and remote teams are analyzed. 3 credits.

LDS 7007 Global Strategic Leadership
Literature and best practices in the development of strategic initiatives are analyzed

with the goal of achieving competitive advantage in the global marketplace. Qualities of strategic leadership and strategic processes are examined including strategy formation, tactical planning and decision-making throughout the organization, as well as pro-activity in addressing environmental challenges and cultural differences. Also analyzed are systems-thinking, "Best-in-Class" benchmarking and partnerships, and employee empowerment. 3 credits.

OLM 7001 Organizational Behavior & Culture
Critical analysis of theories, research, and best managerial practices which impact human behavior in organizational, national and global contexts. The study of how culture informs and shapes all aspects of behavior and communication is emphasized. With a focus on achieving long-term, high quality performance and highly engaged associates, the key dimensions of rapidly changing organizations and transnational organizations are examined including the psychology of individual differences, motivation, groups and interpersonal influence, and emerging complex organizational structures and processes. 3 credits.

OLM 7002 Marketing Theory & Research
Critical analysis of foundational marketing theories and research including marketing mix, consumer behavior, direct marketing, brand management, and marketing communications in economic and behavioral contexts. Also analyzed are emerging theories for 21st century marketing including international marketing, services marketing, social marketing, global marketing, and e-marketing. Research activities are examined such as data gathering and analysis of qualitative and quantitative information to drive marketing strategies. Contemporary issues and challenges impacting the future of marketing are examined in terms of their influence on marketing management functions. 3 credits.

OLM 7003 Service Science Management & Development
During the last twenty years most industrial and manufacturing economies have evolved into service and information-based economies. To advance this transformation within organizations a new, interdisciplinary field of "service science" has emerged that combines the relevant knowledge of science, business and technology. The literature and best practices of this emerging field are analyzed including the nature of service systems and their development, the management of systematic transformation, and strategic service management planning. A key dimension of service science to be examined is service innovation that will increase productivity and efficiencies, will grow revenues by developing new services, and will improve the service experience to increase customer loyalty and market share. 3 credits.

OLM 7004 Managing Innovation & the Learning Organization
Critical analysis of theoretical and empirical literature, and best practices about managing innovation and the learning organization. The key transformational role

of technology and its impact on emerging core organizational learning capabilities are emphasized. Collaborative work environments, diffusion of innovation, systems thinking, and the technology adoption cycle are examined as means to improve organizational capabilities and managerial competencies required to promote innovation and a learning organization. The cultural structures and processes of a learning organization are explored. 3 credits

OLM 7005 Managing for Financial Performance & Accountability
Critical analysis of theoretical and empirical literature, and best practices for managing private and public organizations to achieve financial accountability and financial performance. Accounting as a managerial tool for assessment of business strategy and tactical implementation are examined. Principles of financial management focusing on the development and use of budgets for planning and control, demonstrating accountability, and establishing priorities within an organization are analyzed. The use of financial data to lead decision-making, links between finance and strategic planning, and Sarbanes-Oxley are explored. Creating shareholder value is analyzed, along with links to customer loyalty. Cash flow management, international financial reporting and consolidations employing currency conversions, and the standards of ethical behavior in various countries are examined. 3 credits.

OLM 7006 Strategic Development of Multinational Organizations
Critically analyze theoretical and empirical literature, and best practices of the strategic management processes for multinational organizations. Foundational concepts for competitive analysis and both short and long-term competitive success are examined including barriers to effective strategic management, Porter's competitive advantages system, and multinational strategic management development. The emerging literature and best practices of value chain analysis, supply chain management, and the global context of organizational sustainability are reviewed to provide recommendations to create and strengthen the organization's competitive advantage and to sustain superior performance. The structure, reporting responsibilities and centralized/decentralized strengths and weaknesses of a multinational organization are explored. 3 credits.

RES 7000 Introduction to Research Methods
This course emphasizes basic principles and techniques employed in social and behavior science research methods. More specifically, students will review a variety of research methods and will be introduced to the basics of research design. This course will discuss sampling techniques, descriptive, inferential statistics, and basics of testing hypothesis. Students will practice formulating research questions and hypotheses; and interpreting and critiquing statistical results found in peer-reviewed empirical studies. Students will also be able to practice using SPSS. 3 credits.

RES 7011 Research Critique

Prerequisites: RES 7000

This course helps enhance students' skills in conceptual argument construction and research analysis. Students will review empirical studies in global leadership and critically evaluate structure, effectiveness, logic and flow of arguments. Students will also examine research purpose, effective hypothesis construction, variables, and research methods. The course will use qualitative and quantitative peer-reviewed articles for research critique. In addition, students will learn about basic and applied natures of research. Finally, students will practice writing research proposals to reflect the applied nature of global leadership scholarship. 3 credits.

RES 7012 Research Design

Prerequisites: RES 7000, 7011

The purpose of this course is to advance students' understanding of theory formation and provide students with skills to design effective research in applied settings. The course will examine selection and application of different qualitative and quantitative methodologies for conducting research. It will also evaluate effective research based on connection between methods, data, and arguments. Students will be required to develop a research proposal for an applied project to convert challenges faced by global leaders into research questions or hypotheses and design an applied study that addresses them. 3 credits.

RES 7013 Quantitative Methods In Research

Prerequisites: RES 7000, RES 7011, RES 7012

This course focuses on the application of quantitative research methods. It presumes basic knowledge of the research process and familiarity with quantitative studies in the field of global leadership. Students will use SPSS software application to analyze bivariate and multivariate parametric and non-parametric statistics, and will interpret and report results in a series of exercises. The course will introduce general purpose and description of the factor analysis; and general purpose of the structural equation modeling. Students will evaluate peer-reviewed research articles, apply course content to design a research proposal, and conduct a pilot student to answer research questions or test hypotheses. 3 credits.

RES 7014 Qualitative Methods In Research

Prerequisites: RES 7000, RES 7011, RES 7012

The course is designed to provide students with more in-depth understanding of naturalistic, qualitative research methods. Students will review philosophical assumptions underlying qualitative paradigms and will learn about design, purposeful sampling, field work, and data collection methods. Course will introduce students to current data analysis techniques and computer software used to analyze qualitative data. Throughout the course, students will read and critically evaluate peer-reviewed qualitative studies. Students will also gain first-hand experience in the qualitative

research process by designing and conducting a study, analyzing and interpreting their data, and writing and presenting a report on their findings. 3 credits.

RES 7015 Global Leadership Research

Prerequisites: RES 7000, RES 7011, RES 7012

The purpose of this course is to examine a development of leadership theory in different cultures and to learn about nuances of conducting international studies. Such topics as working with an international sample; collaborating with international scholars; cultural philosophical assumptions and frames of reference and their influence on theory development; challenges with a concept translation; publication standards in international scholarly outlets are among a few topics examined in the course. This course will also enable students to evaluate generalizability of research finds in Western leadership studies. Finally, students will analyze leadership students published by scholars from Asia, Eastern Europe, Latin America. Africa, and Middle East. Applications for theory development as well as for leadership development will be discussed. 3 credits.

RES 8001 Dissertation Research Seminar & Prospectus

The primary focus of this course is on helping students narrow their research interests and develop a Research Brief that identities a gap in the global leadership scholarship and suggests a specific research area for further investigation. Students will also discuss potential research designs for their projects, develop research questions or hypotheses, work on operationalization of their variables, and formulate practical applications of their research. The course will address both the philosophical and methodological issues of students' projects. Ethical and diversity issues (protection of human subjects, cultural and language issues) will be considered. Students with approved Research Briefs will start working on their Research Prospectus. The second goal of the course is to evaluate students' progress in the program and assess their readiness as scholars to conduct an independent research project (their dissertation). Hence, students will conclude the course with the Global Leadership Paper where they explore several original topics suggested by the course professor. 3 credits.

RES 8002 Dissertation Proposal Development, Defense, & IRB Application

Used during continuation of work on the dissertation, this course is necessary to comply with the continuous registration requirement of the degree program. The course serves two purposes: (1) Students that made sufficient progress in RES 8001 but did not complete the prospectus (2) Students that passed RES 8001, enroll in RES 8002 in the dissertation chair's section, form a dissertation committee, develop the dissertation proposal, successfully defend the dissertation proposal before the dissertation committee, and submit an IRB application. A dissertation proposal includes completed first three chapters of the dissertation, and relevant front and back matter. The IRB application, which includes the Research Protocol, certifications

and signatures, and curriculum vitae of the principal investigator, is submitted to the Institutional Review Board for Human Subjects (IRB). 3 credits.

RES 8011 Continuous Development of the Qualifying Paper
Students are registered in the section by their Qualifying Paper Chairperson with the goal to continue working on the Qualifying Paper Research (note – only after all coursework has been completed and potentially doing revisions for the Global Leadership Paper). 0-6 credits Note: A maximum of 6 credits of RES 8011 may be taken

RES 8022 Continuous Development of the Dissertation
Students are registered in the section by their Dissertation Chairperson with the goal to continue working on the Dissertation under the direction of the dissertation committee. (note- this course is taken after the RES 8002 course is completed) 0-6 credits Note: A maximum of 6 credits of RES 8022 may be taken

UNIVERSITY POLICIES AND INFORMATION

Accreditation

Indiana Tech is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools. For more information on the Higher Learning Commission, contact the North Central Association of Colleges and Schools at (800) 621-7440. The university is approved and officially recognized by the U.S. Office of Education and the U.S. State Department and is approved by the State Approval Agency for the enrollment of veterans and eligible persons. Additionally, the university is a member of the Council for Adult and Experiential Learning (CAEL) and adheres to its policies and practices.

Student Information Disclaimer

While every effort has been made to provide accurate and current information, Indiana Tech reserves the right to revise, at any time and without notice, statements in this catalog concerning rules, policies, fees, curricula, courses, or other matters. Indiana Tech reserves the right to revise or cancel any course, subject, or program at any time because of insufficient registration or other reasons.

Enrollment at Indiana Tech is a privilege. The university reserves the right to revoke this privilege if it determines that such action is in the best interest of the university.

Non-discrimination Policy

All members of Indiana Tech Community (in employment and educational programs and activities) are provided equal opportunities regardless of race, color, national origin, religion, sex, physical or mental disability, medical condition (cancer-related or genetic characteristics), ancestry, marital status, age, sexual orientation, citizenship, or status as a covered veteran. (Covered veterans are special disabled veterans, recently separated veterans, Vietnam era veterans, or any other veterans who served in active duty during a war or in a campaign or expedition for which a campaign badge has been authorized.)

Indiana Tech is committed to achieving equal education opportunity and full participation for persons with disabilities. In compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, the university does not exclude otherwise qualified persons with disabilities, solely by reason of the disability, from participating in university programs and activities, nor are persons with disabilities denied the benefits of these programs or subjected to discrimination.

Indiana Tech Locations

Main Campus

1600 E. Washington Blvd.
Fort Wayne, IN 46803
260.422.5561

Satellite Campuses

Elkhart
3333 Middlebury St.
Elkhart, IN 46516
574.296.7075

Evansville
900 Tutor Lane, Suite 107
Evansville, IN 47715
812.909.3634

Fishers
10765 Lantern Road
Fishers, IN 46038
317.863.3450

Greenwood
65 Airport Parkway, Suite 100
Greenwood, IN 46143
317.807.0077

Huntington
2809 Commercial Road
Huntington, IN 46750
260.359.TECH

Indianapolis
3500 DePauw Blvd., Pyramid 3010
Indianapolis, IN 46268
317.466.2121

Jeffersonville
4403 Hamburg Pike
Jeffersonville, IN 47130
812.283.8001

Kendallville
1607 E. Dowling Street
Kendallville, IN 46755
888.349.0250 x.254

Louisville
11855 Commonwealth Dr.
Louisville, KY 40299
502.708.2363

Mishawaka
4215 Edison Lakes Pkwy., Suite 150
Mishawaka, IN 46545
574.232.8324

Munster
9245 Calumet Ave., Suite 201
Munster, IN 46321
219.836.1910

Northern Kentucky
809 Wright's Summit Pkwy
Fort. Wright, KY 41011
859.916.5884

Plainfield
6080 Clarks Creek Road
Plainfield, IN 46168
317.837.1490

Warsaw
2928 Frontage Rd.
Warsaw, IN 46580
574.268.9707

Additional Admissions Offices

Boise. ID
950 Bannock St., Suite 1100
Boise, ID 83702
855.715.1791 x2607

King of Prussia, PA (Philadelphia area)
1060 First Ave. Suite 400
King of Prussia, PA 19406
855.715.1791 x.2606

Oak Brook, IL (Chicago area)
1415 West 22nd Street
Tower Floor
Oak Brook, IL 60523
800.288.1766 ext. 2608

INDIANA TECH
College of Professional Studies

www.IndianaTech.edu/CPS
Phone 800.288.1766
Email. . . . . CPS@IndianaTech.edu

Warrior Information Network
Phone 888.832.4742
Fax 888.832.4844
Email. . . . . WIN@IndianaTech.edu

INDIANA TECH

College of Professional Studies

COURSE CATALOG