



**Baker  
College**

**2017–2018**

Undergraduate and Graduate  
Program Offerings Guide

# EXPLORE BAKER

AT BAKER.EDU

## WE'RE IN IT FOR YOU

Baker College is a Not-For-Profit, Independent, Coeducational Institution.



**Not-For-Profit**



**Accredited**

## ACCREDITATION

Baker College is accredited by the  
Higher Learning Commission / 230 S. LaSalle St.,  
Suite 7-500, Chicago, IL 60604-1411  
800-621-7440 / [ncahlc.org](http://ncahlc.org).





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This program offerings guide is not to be construed as a contract.

The College reserves the right to change fees, tuition, or other charges; add or delete courses; revise academic programs; or alter regulations and requirements as deemed necessary. Baker College® offers both equal education and equal employment opportunities.

Information in this program offerings guide is accurate as of the date of publication: August 1, 2017.

Updated program information can be located on the Baker College website at [baker.edu](http://baker.edu).

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## 2017-2018 ACADEMIC CALENDAR

### Fall 2017 Semester

Classes Begin.....	August 28
Labor Day Holiday/Campuses Closed.....	September 4
Online First Session Classes End.....	October 22
Online Second Session Classes Begin.....	October 23
Thanksgiving Holiday/Campuses Closed.....	November 23–24
Semester Ends.....	December 17
Christmas Holiday/Campuses Closed.....	December 25–26

### Spring 2018 Semester

New Year's Day Holiday/Campuses Closed.....	January 1–2
Classes Begin.....	January 8
Martin Luther King Day Holiday/Campuses Closed.....	January 15
Online First Session Classes End.....	March 4
Spring Break/No Classes.....	March 5–11
Online Second Session Classes Begin.....	March 12
Semester Ends.....	May 6

### Summer 2018 Semester

Classes Begin.....	May 21
Memorial Day Holiday/Campuses Closed.....	May 28
On-ground and Online Second Session Classes Begin.....	June 18
Independence Day Holiday/Campuses Closed.....	July 4
On-ground and Online First Session Classes End.....	July 15
Semester Ends.....	August 12

### Fall 2018 Semester

Classes Begin.....	August 27
Labor Day Holiday/Campuses Closed.....	September 3
Online First Session Ends.....	October 21
Online Second Session Begins.....	October 22
Thanksgiving Holiday/Campuses Closed.....	November 22–23
Semester Ends.....	December 16

### Graduation

Auburn Hills, Cadillac, Jackson, Muskegon, Owosso.....	May 4*
Allen Park, Clinton Township/Port Huron.....	May 5*
Flint.....	May 6*
Center for Graduate Studies/Online.....	May 18*

\*Dates are subject to change. Please check with your campus.



# ALLEN PARK CAMPUS

Baker College of Allen Park — located “downriver” from Detroit — is equipped with modern classrooms and facilities, the latest multimedia capabilities, campus-wide Wi-Fi, and other modern resources.

Classrooms are appointed with flexible furnishings, interactive whiteboards, and the most up-to-date equipment available. The Baker Cafe and expanded Academic Resource Center are welcoming spaces. Health science programs are centralized on the second floor of Building A with state-of-the-art nursing, anatomy/physiology, and chemistry labs. The new cyber defense lab features the latest technology and equipment needed to teach the skills required for this cutting-edge career program.

The campus is conveniently located with easy access to major interstates and freeways (I-94, I-75, and Southfield Freeway), as well as the Detroit Metropolitan Airport. This area is a thriving hub for business, manufacturing, and commerce. The campus is a short drive from the headquarters of major corporations such as Ford Motor Company, AAA, and Henry Ford Hospital. The world's largest tire, the Uniroyal tire, is a recognizable landmark located just west of the campus on I-94.

## LIFE ON CAMPUS

Technology and innovation, coupled with small class sizes, are the hallmarks of the **Allen Park** campus. Students have ready access to modern resources and instructors who are industry leaders.





# AUBURN HILLS CAMPUS

As a student at Baker College of Auburn Hills, you have the best of all worlds — small class sizes, professional instructors who know you by name, state-of-the-art classrooms and labs, and hands-on training in specialized facilities that replicate actual work environments. We offer degree programs that lead directly to careers that have today's best opportunities for employment and advancement.

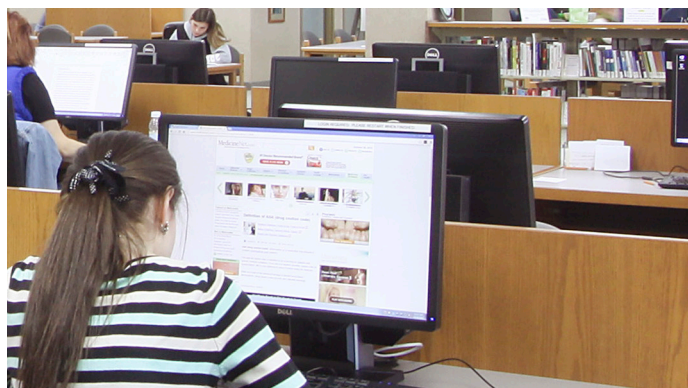
Located in Oakland County, Baker College of Auburn Hills is in the epicenter of Automation Alley, one of the country's flourishing economic and business centers. The 17-acre campus is within a half of a mile of the interchange for I-75 and University Drive.

Oakland County boasts the second highest per capita income in the nation and some of the fastest-growing companies in the world. Oakland County is home to one-third of Michigan's research and development firms, and one-third of all U.S. automobile production takes place within 70 miles. The area is surrounded by 88,000 acres of wooded parkland with over 450 lakes nearby.

## A COMPETITIVE EDGE

Specialty programs are taught in special environments. There's no better way to learn than hands on, so our labs and classes are designed to mirror the work environments our students will be employed in.

**Baker grads are prepared for their careers.**





# CADILLAC CAMPUS

Baker College of Cadillac reflects all of the warmth, friendliness, and small-town character of northwestern Michigan. The area offers abundant lakes, streams, and woods with opportunities to enjoy year-round, four-season activities such as golfing, hiking, camping, boating, fishing, canoeing, small and large game hunting, snowmobiling, downhill and cross-country skiing, and snowboarding.

The 66-acre campus is located just outside the city and features student housing, an outside patio, a Student Center, several computer labs, extensive parking, a fitness center, and a Learning Center, where free tutoring services are available to all students.

Because we're Baker College you'll have all the advantages: small class sizes; highly qualified instructors; and the latest equipment, technologies, and resources in our classrooms and labs.

We offer certificates as well as associate and bachelor degree programs in careers that have the best opportunities for employment and advancement. We work closely with local employers to keep our curriculum current.

Baker College of Cadillac has recently added student housing, allowing students who live too far away to commute to benefit from all that Baker College has to offer.





# CLINTON TOWNSHIP CAMPUS

For students who live northeast of Detroit, Baker College of Clinton Township is ideally situated in the cultural hub of Macomb County. The campus features a modern, three-story building on the Little Mack campus, as well as an Admissions Welcome Center, spacious Student Center, Technology Center, and the Center for Dental Hygiene and Dental Assisting.

Instructional classrooms and labs featuring the latest technologies — as well as advanced training facilities that mimic real-world working environments — make this the ideal place to train for your new career.

A spacious, state-of-the-art library offers electronic access to all of the materials in the Baker College System's libraries, and our classrooms are equipped with multimedia technology.

Baker College of Clinton Township offers several certificates as well as associate and bachelor degrees in career programs that have the best opportunities for employment and advancement in today's workplaces.





# FLINT CAMPUS

Baker College of Flint is our flagship campus. Here, you'll have the individual attention and guidance that a small campus can provide, along with everything you'd expect in a modern college campus — classrooms with multimedia systems, a Technology Center, state-of-the-art labs, and more. Whether you live on campus or commute, you'll appreciate our extensive academic resources facilities, campus-wide Wi-Fi, fitness center, bookstore, cafe, and Coffee Beanery. The 40-acre campus features contemporary buildings, creating an ambiance similar to today's business workplaces..

Baker College of Flint is strategically located just outside the southeast corner of Flint, minutes from major highways. Students enjoy the best of urban living as they take advantage of year-round opportunities at the Flint Cultural Center or enjoy swimming, boating, fishing, camping, skiing, or skating at area parks and lakes. Nearby public golf courses, restaurants, and shopping malls are also accessible.

## HOUSING AVAILABLE

There are no cramped quarters or dorms to be found anywhere on Baker's Flint campus — just spacious living on a beautiful campus within a rich learning environment.





# JACKSON CAMPUS

Baker College of Jackson is in a quiet rural area, just outside the city of Jackson. Stop by the Welcome Center for a visit. On our 42-acre campus, you'll find modern, state-of-the-art classrooms, labs, and specialized facilities that duplicate today's real-world workplaces.

Our Academic Resource Center, a cutting-edge engineering facility, and our business and technology center feature the latest technology and equipment. Class sizes are small, assuring you of individual attention and guidance and the opportunity for more hands-on training.

The Jackson campus offers certificate, associate, and bachelor degree programs that lead directly to today's most in-demand careers.





# MUSKEGON CAMPUS

Just five minutes away from the sugar-sand beaches of Lake Michigan is Baker College of Muskegon. It's a campus designed for hands-on learning, with state-of-the-art classrooms, labs, and specialized training facilities equipped with the latest technologies, including a newly completed Health Science Center as well as an expansive Academic Resource Center. Whether you commute or live on campus, you'll appreciate our small college atmosphere, with quiet places to study, instructors who provide personal attention, and a recreation center to relax with friends.

The Muskegon campus offers certificate, associate, and bachelor degree programs to prepare students for employment in today's most in-demand careers. Situated on over 63 wooded acres, Baker College offers a variety of resident living options. Choose from several on-campus residence halls or nearby apartments.

Campus venues include the Quarterline Grill, the West End Cafe, the Academic Resource Center, Student Center, gymnasium, West End Fitness Center, and the BRIC (Baker Recreation and Information Center).



THE **CULINARY** INSTITUTE *of* MICHIGAN®  
BAKER COLLEGE OF MUSKEGON

The three-story, state-of-the-art Culinary Institute of Michigan (CIM) is located just a few miles west of the main campus. In addition to the American Culinary Federation (ACF) accredited associate degrees in Culinary Arts and Baking and Pastry, students can earn an associate degree in Food and Beverage Management. These programs combine personalized instruction with hands-on experience. The public is invited to sample the students' creations in the student-run restaurant, Courses, and in The Sweet Spot, the on-site pastry and coffee shop.





# OWOSSO CAMPUS

Enter the Swiss chalet-style buildings on the Baker College of Owosso campus, and you'll discover a high-quality learning environment — with state-of-the-art classrooms, labs, and specialized training facilities equipped with the same technologies and systems that are used in the real world. Whether you commute or live on campus, you'll appreciate our strong sense of community and the many opportunities to develop and deepen your knowledge and skills.

Our Owosso campus offers certificate, associate, and bachelor degree programs that stress practical knowledge and hands-on learning. The 70-acre campus boasts a modern Student Center, fitness center, gymnasium, bookstore, and many student activities.

The Owosso campus offers student housing in apartment-style residence halls.

The Auto/Diesel Institute (ADI) of Michigan was conceived and built to elevate technical training to a college experience above and beyond anything previously available in the Midwest. Our facility boasts 43,000 square feet of real-world auto and diesel labs, as well as classrooms. Situated minutes from the Baker College of Owosso campus, ADI provides our students with cutting-edge resources — from state-of-the-art tools and technology to master technicians who serve as instructors. At ADI, we're creating programs for the next 20 years and training the mechanics of the future.



**THE AUTO/DIESEL INSTITUTE  
OF MICHIGAN®**



The Auto/Diesel Institute of Michigan at Baker College of Owosso is the only college in Michigan with master accreditation from the National Automotive Technicians Education Foundation (NATEF) for diesel service.





# PORT HURON CAMPUS

Baker College of Port Huron has some of the most advanced classrooms and hands-on learning environments of any college campus in the state. It's a friendly, supportive atmosphere, with class sizes that are small, instructors who know you by name, computer labs, and a Student Center where you can study or relax.

The campus is situated on 12 acres on the west side of town, convenient to I-69 and I-94, and only five minutes from the Blue Water Bridge, which connects Port Huron with Sarnia, Ontario. Our campus offers certificate and associate degrees in fields that lead directly to today's best career opportunities.



THE **CULINARY** INSTITUTE *of* MICHIGAN®  
BAKER COLLEGE OF MUSKEGON

The two-story, state-of-the-art Culinary Institute of Michigan (CIM) is located a few miles from the main campus at the foot of the St. Clair River and contains a breathtaking view of the beautiful Blue Water Bridge. Resident Hall housing is available for CIM students. CIM offers Baking and Pastry, Culinary Arts, and Food and Beverage Management programs. In addition to the American Culinary Federation (ACF) accredited Culinary Arts associate degree, students can earn associate degrees in Baking and Pastry and Food and Beverage Management. These programs combine personalized instruction with hands-on experience. The public is invited to sample the students' creations in the student-run restaurant, Courses.





# ONLINE CAMPUS

The Online campus offers courses and degrees entirely online. Access to the virtual learning environment is available 24/7, and courses are taught by professors holding discipline-specific academic credentials. The College has earned “Exemplary” status for the quality of its online courses and programs from the Online Learning Consortium (the leading professional organization devoted to advancing quality online learning), and remains committed to maintaining this quality rating. The College’s Online Learning Model ensures faculty, students, and the institution have rigorous expectations, a high level of engagement, and a strong commitment to success.





# CENTER FOR GRADUATE STUDIES

The Center for Graduate Studies offers the opportunity to increase your knowledge, broaden your understanding, and develop specialized skills beyond a baccalaureate degree. Students receive quality graduate education that leads to advanced academic achievement through excellence in teaching, scholarship, and service. Graduate programs are available in the fields of business, education, information systems, nursing, occupational therapy, and psychology.

All graduate programs are accredited through the Higher Learning Commission. The Center for Graduate Studies has received accreditation for its Master of Business Administration program through the International Accreditation Council for Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, KS, USA. The Occupational Therapy program also has additional accreditation through the Accreditation Council for Occupational Therapy Education (ACOTE). The Information Systems Major in the Master of Science in Information Systems program has been approved for affiliation as a Professional Science Master's (PSM) degree by the PSM National Office.



# OVER 100

## PROGRAMS IN ACADEMIC DISCIPLINES



Auto & Diesel Institute  
(ADI)  
22–24



Culinary Institute of  
Michigan (CIM)  
25–27



College of  
Business Administration  
28–35



College of Education and  
Early Childhood Education  
36–44

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## GROWING INDUSTRIES



College of  
Engineering  
45–50



College of  
Health Science  
51–63



School of Nursing  
60–61



School of  
Occupational Therapy  
62–63



College of  
Information Technology  
64–68



College of  
Social Science  
69–73



## **UNDERGRADUATE ACADEMIC INFORMATION**

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## **UNDERGRADUATE PROGRAM COURSE LISTS**

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## ACADEMIC WELCOME EXPERIENCE

An Introduction to Your Life at Baker College

**The Academic Welcome Experience provides students with a smooth and helpful transition to college life. Students will become familiar with campus life, academic requirements, student expectations, learning environments, and the many services and resources available to them. It is also an important time for forming relationships and connections with fellow students, program advisors, and other members of the Baker College community.**

**Throughout the Academic Welcome Experience, students participate in a wide array of academic, intellectual, social, and professional experiences available at Baker College. Students connect with their advisors and participate in informational sessions aimed toward exploring career opportunities, networking with professionals in their fields, and sharing program information.**





# COLLEGE OF INTERDISCIPLINARY STUDIES

## General Education

Deans: Carol Dowsett, Ed. D.

Chris Schram, Ph.D.

### GENERAL EDUCATION PROGRAM REQUIREMENTS

The mission of Baker College is to provide quality higher education and training, which enable graduates to be successful throughout challenging and rewarding careers. Required courses in the major fields of study are complemented and enhanced by required general education courses. General education provides a foundation of knowledge and skills that every educated person should possess. Its purpose is to stimulate curiosity and promote intellectual inquiry and lifelong learning. General education course offerings are provided through the College of Interdisciplinary Studies, the College of Education and Early Childhood Education, the College of Social Science, and the College of Health Science.

#### General Education Mission Statement

General education provides students with an array of skills and knowledge essential in any career path and builds a foundation for more specialized learning.

#### General Education Goals

- Provide students with opportunities to develop and refine essential skills in written and oral communication, mathematical reasoning, scientific inquiry, global and cultural awareness, personal and social relations, and information literacy
- Teach a body of common knowledge necessary for students to be successful in professional, intellectual and social contexts
- Assist students in developing a breadth of knowledge, curiosity and critical-thinking skills
- Promote informed citizenship in an increasingly diverse world
- Advocate lifelong learning

General education requirements must be met for all for associate and bachelor degree programs. Some degree programs may have general education requirements specific to the program that go beyond the basic requirements. Prerequisites must be met, as required, for each general education course. In most degree programs, the general education requirements are met through general education curriculum.

In some programs, however, general education outcomes are met through cognitive experiences, competencies or applications of course content in the program majors. All graduates must meet the general education outcome requirements established by each academic program.

#### General Education Outcomes:

- Career-ready knowledge and skills
- Attitudes and behaviors that promote success in the workplace and effective social interactions with diverse people
- Information literacy, which includes recognizing the need for information and identifying, locating, evaluating and effectively using that information
- Effective communication in various academic and career settings, using technology as appropriate
- Critical thinking — including analysis, synthesis and problem solving — which is applicable to all fields of study, workplaces and other everyday life situations
- Broad-based knowledge, which includes an understanding of cultural, ethical, social, political and global issues

NOTE: While there are no specific general education requirements for certificate programs, general education courses may be required as part of a certificate as determined by the individual program.



## ASSOCIATE PROGRAM REQUIREMENTS

GENERAL EDUCATION COURSE REQUIREMENTS FOR ASSOCIATE DEGREES: 15 SEMESTER HOURS

Course	Number	Course Title	Semester Hours
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### COMMUNICATION: NINE SEMESTER HOURS

#### ALL OF THE FOLLOWING:

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
SPK	2010	Oral Communication	03

### MATHEMATICAL REASONING: THREE SEMESTER HOURS

#### ONE OF THE FOLLOWING:

MTH	1050	Quantitative Reasoning I	03
MTH	1110	College Algebra I	03

#### OR A HIGHER-LEVEL MATH COURSE

### PERSONAL AND SOCIAL ENVIRONMENTS: THREE SEMESTER HOURS

#### ONE OF THE FOLLOWING:

PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03

## BACHELOR PROGRAM REQUIREMENTS

GENERAL EDUCATION COURSE REQUIREMENTS FOR BACHELOR DEGREES: 30 SEMESTER HOURS

Course	Number	Course Title	Semester Hours
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### COMMUNICATION: NINE SEMESTER HOURS

#### ALL OF THE FOLLOWING:

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
SPK	2010	Oral Communication	03

### MATHEMATICAL REASONING: SIX SEMESTER HOURS

#### ONE OF THE FOLLOWING:

MTH	1050	Quantitative Reasoning I	03
MTH	1110	College Algebra I	03

#### (OR A HIGHER-LEVEL MATH COURSE)

#### ONE OF THE FOLLOWING:

MTH	1060	Quantitative Reasoning II	03
MTH	1120	College Algebra II	03

#### (OR A HIGHER-LEVEL MATH COURSE)

### GLOBAL AND CULTURAL PERSPECTIVES: THREE SEMESTER HOURS

SOC	3210	Cultural Diversity	03
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### PERSONAL AND SOCIAL ENVIRONMENTS: SIX SEMESTER HOURS

#### ONE OF THE FOLLOWING:

PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03

#### ALL OF THE FOLLOWING:

HUM	401A	Philosophy of Ethics	03
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### SCIENTIFIC INQUIRY: THREE SEMESTER HOURS

#### ONE OF THE FOLLOWING:

HSC	1210	Human Anatomy and Physiology I	03
HSC	1220	Human Anatomy and Physiology II	03
HSC	1250	Introduction to Disease	03

HSC	2150	Pathophysiology	03
HSC	2210	Nutrition	03
HSC	2310	Biochemistry	03
HSC	2410	Microbiology	03
SCI	2150	Integrated Physics	03
SCI	2460	General Chemistry	04
SCI	2510	General Physics I	04
SCI	2520	General Physics II	04
SCI	3210	Principles of Astronomy	03
SCI	4510	Environmental Science	03

## GENERAL EDUCATION ELECTIVES

ELECTIVE: THREE SEMESTER HOURS

ONE OF THE FOLLOWING AS AVAILABLE/REQUIRED DETERMINED BY SPECIFIC PROGRAMS

Course	Number	Course Title	Semester Hours
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### COMMUNICATION

ENG	2050	Mass Media and Society	03
ENG	2310	Language and Culture	03
LIT	2050	Introduction to Literature: World Masterpieces and Critical Approaches	03
SPK	2110	Group Dynamics	03
SPK	4010	Professional Speaking	03
WRI	1150	Workplace Communication	03
WRI	3010	Report Writing	03

### GLOBAL AND CULTURAL PERSPECTIVES

ECN	3010	International Economics	03
GEO	1010	Human Geography	03
GEO	1110	Physical Geography	03
HUM	1010	Art and Architecture I (Antiquity to Renaissance)	03
HUM	1020	Art and Architecture II (Baroque to Modern)	03
HUM	3610	Art Appreciation	03
HUM	3650	Music Appreciation	03
SPN	1010	Spanish I	03
SPN	1020	Spanish II	03

### MATHEMATICAL REASONING

MTH	1050*	Quantitative Reasoning I	03
MTH	1060*	Quantitative Reasoning II	03
MTH	1110*	College Algebra I	03
MTH	1120*	College Algebra II	03
MTH	1210	Trigonometry	03
MTH	1310	Pre-Calculus	03
MTH	1410	Introduction to Discrete Mathematics	03
MTH	1510	Calculus I	04
MTH	2510	Calculus II	04
MTH	2750	Statistical Methods	03
MTH	3510	Multivariable Calculus	04
MTH	3550	Differential Equations and Linear Algebra	04

\*Course may be used as an elective if not part of the general education requirement

### PERSONAL AND SOCIAL ENVIRONMENTS

ECN	2010*	Principles of Macroeconomics	03
ECN	2110*	Principles of Microeconomics	03
PSY	1010*	Human Relations	03
PSY	1110*	General Psychology	03
PSY	2010	Cognitive Behavioral Therapy	03



PSY	2110	Psychology of Death and Dying	03
PSY	2210	Developmental Psychology	03
PSY	2310	Industrial Organizational Psychology	03
PSY	2410	Theories of Counseling	03
PSY	3110	Abnormal Psychology	03
PSY	3210	Psychology of Disability	03
PSY	3350	Human Sexuality	03
PSY	3410	Child Psychology	03
PSY	3510	Adolescent Psychology	03
PSY	4010	Social Psychology	03
PSY	4050	Psychopharmacology	03
PSY	4110	Clinical Methods in Mental Health	03
PSY	4150	Gerontology	03
SOC	2010	Sociology	03
SOC	3010	Social Problems	03

\*Course may be used as an elective if not part of the general education requirement

#### SCIENTIFIC INQUIRY

HSC	1210	Human Anatomy and Physiology I	03
HSC	1220	Human Anatomy and Physiology II	03
HSC	1250	Introduction to Disease	03
HSC	2150	Pathophysiology	03
HSC	2210	Nutrition	03
HSC	2310	Biochemistry	03
HSC	2410	Microbiology	03
SCI	2150	Integrated Physics	03
SCI	2460	General Chemistry	04
SCI	2510	General Physics I	04
SCI	2520	General Physics II	04
SCI	3210	Principles of Astronomy	03
SCI	4510	Environmental Science	03

## BAKER COLLEGE MICHIGAN TRANSFER AGREEMENT (MTA)

The Michigan Transfer Agreement (MTA) is designed to facilitate the transfer of general education requirements. Students can view a list of participating institutions at [macrao.org](http://macrao.org).

The MTA requirements should fulfill all or the majority of the student's lower-level general education credits, dependent on the requirements of the student's major. A transfer student must be admissible to a receiving institution in order to benefit from the MTA. Students may meet requirements of the MTA as a stand-alone package.

To fulfill the Michigan Transfer Agreement, students must successfully complete at least 30 semester hours (or 46 quarter credit hours) with at least a 2.0 GPA in each course. These credits, which will be certified by a Michigan college, should be met according to the following distribution.

#### SEMESTER CREDIT REQUIREMENTS:

- One course in English Composition
- A second course in English Composition OR one course in Communication
- One course in Mathematics from one of three pathways: College Algebra, Statistics, or Quantitative Reasoning
- Two courses in Social Science (from two disciplines)

- Two courses in Humanities and Fine Arts (from two disciplines, excluding studio and performance classes)
- Two courses in Natural Sciences, including one with laboratory experience (from two disciplines)

#### Following are the Baker College courses that meet the Michigan Transfer Agreement:

Course	Number	Course Title	Semester Hours
ENG	1010	College Composition I	03
<b>SELECT ONE:</b>			
ENG	1020	College Composition II	03
SPK	2010	Oral Communication	03
<b>SELECT ONE:</b>			
MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03
MTH	1120	College Algebra II	03
MTH	2750	Statistical Methods	03
<b>SELECT TWO:</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
POL	3010	American Political Systems	03
PSY	1110	General Psychology	03
SOC	2010	Sociology	03
<b>SELECT TWO:</b>			
ENG	2310	Language and Culture	03
HUM	3610	Art Appreciation	03
HUM	3650	Music Appreciation	03
HUM	4010	Philosophy of Ethics	03
HUM	1010	Art and Architecture I: Antiquity to Renaissance	03
HUM	1020	Art and Architecture II: Baroque to Modern	03
SPN	1010	Spanish I	03
<b>SELECT TWO:</b>			
HSC	1210/1211	Human Anatomy and Physiology	04
HSC	2410/2411	Microbiology/Lab	04
SCI	2150	Integrated Physics	03
SCI	2460/L	General Chemistry/Lab	04
SCI	2510/L	General Physics I/Lab	04
SCI	3210	Principles of Astronomy	03



# Auto & Diesel Institute

Undergraduate Programs

<b>Autobody Technician</b> .....	23
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Associate of Applied Science Degree .....	
<b>Automotive Services Technology</b> .....	23
Certificate .....	
Associate of Applied Science Degree .....	

<b>Diesel Service Technology</b> .....	24
Certificate .....	
Associate of Applied Science Degree .....	
<b>Welding</b> .....	24
Certificate .....	





## AUTOBODY TECHNICIAN

Autobody Technicians use special tools and equipment to repair damaged vehicles and make them look like new. Their work can range from minor fixes such as replacing a cracked windshield to major repairs such as replacing an entire door panel or mechanical system. One technician may handle various types of repairs, but in large repair shops each technician may specialize in just one area.

### Certificate

Course	Number	Course Title	Semester Hours
<b>AUTOBODY TECHNICIAN – 16 HOURS</b>			
ABT	1010	Painting and Refinishing I	06
ABT	1110	Non-Structural Damage Repair	03
ABT	1710	Estimating and Shop Management	03
ABT	1910	Welding Processes	03
ABT	2010	Professional Career Exploration Experience	01
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>16</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

### Associate of Applied Science Degree

Course	Number	Course Title	Semester Hours
<b>AUTOBODY TECHNICIAN MAJOR – 45 HOURS</b>			
ABT	1010	Painting and Refinishing I	06
ABT	1050	Body and Paint Practicum	06
ABT	1110	Non-Structural Damage Repair	03
ABT	1210	Structural Damage Repair	03
ABT	1710	Estimating and Shop Management	03
ABT	1910	Welding Processes	03
ABT	2010	Professional Career Exploration Experience	01
ABT	2210	Frame Repair Fundamentals	03
AST	1210	Steering and Suspension	03
AST	1410	Electrical Systems	03
WRKAT	2050	Work Experience	02
<b>SELECT THREE COURSES FROM THESE ELECTIVES:</b>			
ABT	2310	Sheet Metal Fabrication	03
ABT	2410	Interior Repair	03
ABT	2510	Custom Paint	03
AST	1310	Brakes and Braking Systems	03
AST	2710	Heating and Air Conditioning	03
AST	2810	Powertrain/Noise and Vibration	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1050	Quantitative Reasoning I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

This program is accredited by the National Automotive Technicians Education Foundation (NATEF), 13505 Dulles Technology Drive, Herndon, VA 20171-3421. For a current list of National Automotive Technicians Education Foundation (NATEF) certified programs, please view their website.



THE AUTO/DIESEL INSTITUTE  
OF MICHIGAN\*



## AUTOMOTIVE SERVICES TECHNOLOGY

Trained and certified in all areas of vehicle service, master technicians use their advanced mechanical, technical, and troubleshooting skills to inspect, maintain, and repair cars and light trucks. In today's market, those who understand new and sophisticated vehicle and service technologies and have advanced training and certifications in multiple areas have the best job opportunities and earning potential.

### Certificate

Course	Number	Course Title	Semester Hours
<b>CERTIFICATE LEVEL I – 16 HOURS</b>			
AST	1110	Engine Operation and Service	03
AST	1210	Steering and Suspension	03
AST	1310	Brakes and Braking Systems	03
AST	1410	Electrical Systems	03
AST	2010	Professional Career Exploration Experience	01
AST	2710	Heating and Air Conditioning	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>16</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

### CERTIFICATE LEVEL II – 33 HOURS

AST	1110	Engine Operation and Service	03
AST	1210	Steering and Suspension	03
AST	1310	Brakes and Braking Systems	03
AST	1410	Electrical Systems	03
AST	1510	Ignition and Fuel Systems	03
AST	2010	Professional Career Exploration	01
AST	2110	Engine Assembly and Components	03
AST	2250	Manual Transmission/Transfer Case and Axles	03
AST	2410	Electrical Operations and Systems Testing	03
AST	2710	Heating and Air Conditioning	03
AST	2810	Powertrain/Noise and Vibration	03
WRKAT	2050	Work Experience	02
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>33</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

### Associate of Applied Science Degree

Course	Number	Course Title	Semester Hours
<b>AUTOMOTIVE TECHNICIAN MAJOR – 45 HOURS</b>			
AST	1110	Engine Operation and Service	03
AST	1210	Steering and Suspension	03
AST	1310	Brakes and Braking Systems	03
AST	1410	Electrical Systems	03
AST	1510	Ignition and Fuel Systems	03
AST	2010	Professional Career Exploration Experience	01
AST	2110	Engine Assembly and Components	03
AST	2210	Automatic Transmission Theory and Repair	06
AST	2250	Manual Transmission /Transfer Case and Axles	03
AST	2410	Electrical Operations and Systems Testing	03
AST	2510	Sensors, Scopes, and Scan Tools	03
AST	2610	Hybrid Vehicles Fundamentals and Repair	03
AST	2710	Heating and Air Conditioning	03
AST	2810	Powertrain/Noise and Vibration	03
WRKAT	2050	Work Experience	02
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1050	Quantitative Reasoning I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

This program is accredited by the National Automotive Technicians Education Foundation (NATEF), 13505 Dulles Technology Drive, Herndon, VA 20171-3421. For a current list of National Automotive Technicians Education Foundation (NATEF) certified programs, please view their website.



THE AUTO/DIESEL INSTITUTE  
OF MICHIGAN\*





## DIESEL SERVICE TECHNOLOGY

Diesel Service Technicians inspect, maintain, repair, and overhaul buses, trucks, and other vehicles with a diesel engine. Their work is varied; they may work on a vehicle's electrical system, make major engine repairs, or do routine maintenance. Continuing advances in diesel technologies to improve performance have made it essential to have up-to-date training and skills.

### Certificate

Course	Number	Course Title	Semester Hours
<b>CERTIFICATE – 30 HOURS</b>			
DSL	1010	Diesel Engine Theory	04
DSL	1410	Diesel Electrical/Electronic Systems I	04
DSL	1420	Diesel Electrical/Electronic Systems II	04
DSL	1710	Diesel Engine Repair	04
DSL	1810	Introduction to Diesel Maintenance and Repair	04
DSL	2210	Heavy-Duty Brake Service	04
DSL	2310	Heavy-Duty Suspension/Steering	04
WRKAT	2050	Work Experience	02
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>30</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

### Associate of Applied Science Degree

Course	Number	Course Title	Semester Hours
<b>DIESEL SERVICE TECHNOLOGY MAJOR – 45 HOURS</b>			
DSL	1010	Diesel Engine Theory	04
DSL	1410	Diesel Electrical/Electronic Systems I	04
DSL	1420	Diesel Electrical/Electronic Systems II	04
DSL	1710	Diesel Engine Repair	04
DSL	1810	Introduction to Diesel Maintenance and Repair	04
DSL	2210	Heavy Duty Brake Service	04
DSL	2310	Heavy Duty Suspension/Steering	04
DSL	2410	Heavy Duty Heating and Air Conditioning	04
DSL	2610	Heavy Duty Drivetrains	04
DSL	2710	Performance Diagnostics and Systems Maintenance	04
WRKAT	2010	Work Experience	02
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
DSL	1510	Basic Welding, Cutting, and Fabrication	03
DSL	2110	CDL Preparation for the Diesel Service Technician	03
DSL	2910	Hydraulic Systems and Repair	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1050	Quantitative Reasoning I	03
PSY	1010	Human Relations	03
SPK	2010	Oral Communication	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

This program is accredited by the National Automotive Technicians Education Foundation (NATEF), 13505 Dulles Technology Drive, Herndon, VA 20171-3421. For a current list of National Automotive Technicians Education Foundation (NATEF) certified programs, please view their website.



THE AUTO/DIESEL INSTITUTE  
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## WELDING

Welders use welding equipment to join metal parts or fill holes, indentions, or seams in metal products. Anything made of metal can be welded: cars, trucks, aircraft, skyscrapers, bridges, pipes, sculptures, and more. The basic skills of welding are the same across industries so the more you know how to do, the easier it is to shift to other types of work.

Note: An associate degree program in Industrial and Manufacturing Technology from the College of Engineering is available to students after graduating from the Welding certificate program.

### Certificate

Course	Number	Course Title	Semester Hours
<b>CERTIFICATE – 30 HOURS</b>			
ENG	1010	College Composition I	03
WELD	1010	Welding Principles	03
WELD	1110	Cutting and Oxy-fuel Welding	04
WELD	1060	Gas Metal Arc Welding	04
WELD	1210	Gas Tungsten Arc Welding	04
WELD	1260	Shielded Metal Arc Welding	04
WELD	1310	Metallurgy	03
WRKAT	2010	Work Experience	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
EGR	1010	Fundamentals of Engineering Design	02
WELD	2960	Welding Certification I and II SMAW and GMAW Processes	02
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>30</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).



# Culinary Institute of Michigan

## Undergraduate Programs

Dean: Thomas F. Recinella, CEC®, AAC®  
Honorable Order of the Golden Toque

### **Baking and Pastry**.....26

Certificate  
Associate of Applied Science

### **Culinary Arts**.....26

Associate of Applied Science

### **Food and Beverage Management**.....27

Associate of Applied Science





## BAKING AND PASTRY

Bakers and pastry chefs create breads, pastries, desserts and confections that taste as wonderful as they look. They combine the math and science of baking with imagination and creativity to artfully prepare baked goods, specialty sugars and chocolate confections.

### Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIRED COURSES – 32 HOURS</b>			
BAK	1010	Baking Science	01
BAK	1110	Baking Fundamentals	04
BAK	1210	Nutritional Baking	04
BAK	1310	Classic Pastry Fundamentals	04
BAK	1710	Café and Bakery Operations	04
CUL	1010	Sustainability in the Food Service Industry	01
CUL	1110	Food Service Career Skills	01
CUL	1150	Culinary Math	03
CUL	1310	Food Safety and Sanitation	01
ENG	1010	College Composition I	03
FBM	2210	Menu Planning and Analysis	03
FBM	2410	Food and Beverage Management	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>32</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

### Associate of Applied Science Degree

Course	Number	Course Title	Semester Hours
<b>BAKING AND PASTRY MAJOR – 48 HOURS</b>			
BAK	1010	Baking Science	01
BAK	1110	Baking Fundamentals	04
BAK	1210	Nutritional Baking	04
BAK	1310	Classic Pastry Fundamentals	04
BAK	1410	Petit Fours and Plated Desserts	04
BAK	1510	Chocolate and Confections	04
BAK	1610	Showpiece and Specialty Cake Design	04
BAK	1710	Café and Bakery Operations	04
CUL	1010	Sustainability in the Food Service Industry	01
CUL	1110	Food Service Career Skills	01
CUL	1150	Culinary Math	03
CUL	1310	Food Safety and Sanitation	01
CUL	2210	Purchasing and Product Identification	04
FBM	2210	Menu Planning and Analysis	03
FBM	2410	Food and Beverage Management	03
WRKCM	2010	Work Experience	03
<b>GENERAL EDUCATION REQUIREMENTS – 12 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
PSY	1010	Human Relations	03
SPK	2010	Oral Communication	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

The Baker College of Muskegon Baking and Pastry program is accredited by the American Culinary Federation Education Foundation Accrediting Commission (ACFEFAC). Graduates are eligible to become Certified Pastry Culinarians upon graduation.



## CULINARY ARTS

Chefs and head cooks combine their culinary arts knowledge and food presentation ideas with strong business and management skills. In addition to preparing food, they develop recipes and menus; supervise, hire and train kitchen staff; review and maintain food and supply inventories; and ensure operations run efficiently and profitably.

### Associate of Applied Science Degree

Course	Number	Course Title	Semester Hours
<b>CULINARY ARTS MAJOR – 48 HOURS</b>			
CUL	1010	Sustainability in the Food Service Industry	01
CUL	1110	Food Service Career Skills	01
CUL	1150	Culinary Math	03
CUL	1310	Food Safety and Sanitation	01
CUL	1410	Nutritional Cooking	01
CUL	1510	Culinary Skills I	04
CUL	1520	Culinary Skills II	04
CUL	1530	Culinary Skills III	04
CUL	2160	Baking for Culinary Students	04
CUL	2210	Purchasing and Product Identification	04
CUL	2250	Table Service	04
CUL	2310	Garde Manger	04
CUL	2510	Restaurant Techniques	04
FBM	2210	Menu Planning and Analysis	03
FBM	2410	Food and Beverage Management	03
WRKCM	2010	Work Experience	03
<b>GENERAL EDUCATION REQUIREMENTS – 12 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
PSY	1010	Human Relations	03
SPK	2010	Oral Communication	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

The Baker College of Muskegon and Port Huron Culinary Arts programs are accredited by the American Culinary Federation Education Foundation Accrediting Commission (ACFEFAC). Graduates are eligible to become Certified Culinarians upon graduation.





## FOOD AND BEVERAGE MANAGEMENT

Food and beverage managers are responsible for the total management of food service operations, ensuring customers are fully satisfied with their dining experiences. It is work that requires leadership, customer service skills, sound business judgment and problem-solving expertise.

### Associate of Applied Science Degree

Course	Number	Course Title	Semester Hours
<b>FOOD AND BEVERAGE MANAGEMENT MAJOR – 48 HOURS</b>			
CUL	1010	Sustainability in the Food Service Industry	01
CUL	1110	Food Service Career Skills	01
CUL	1150	Culinary Math	03
CUL	1310	Food Safety and Sanitation	01
CUL	2210	Purchasing and Product Identification	04
CUL	2250	Table Service	04
FBM	1110	Food Culture and Introduction to Wine	03
FBM	1210	Culinary Fundamentals	04
FBM	1310	Accounting for Food and Beverage Managers	03
FBM	2210	Menu Planning and Analysis	03
FBM	2310	Hospitality Financial Management	03
FBM	2410	Food and Beverage Management	03
FBM	2550	Beer Styles and Service	04
FBM	2610	Liquor Identification and Mixology	04
FBM	2810	Restaurant Operations	04
WRKCM	2010	Work Experience	03
<b>GENERAL EDUCATION REQUIREMENTS – 12 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
PSY	1010	Human Relations	03
SPK	2010	Oral Communication	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>



# COLLEGE OF BUSINESS ADMINISTRATION

## Undergraduate Programs

Dean: Cleamon Moorer, D.B.A.

<b>Accounting</b> .....	29	<b>Legal Studies</b> .....	32–33
Associate of Business .....		Bachelor of Science .....	
Bachelor of Business Administration .....		<b>Management</b> .....	33
<b>Business Administration</b> .....	29–30	Bachelor of Business Administration .....	
Associate of Business .....		<b>Marketing</b> .....	33–34
Bachelor of Business Administration Accelerated Program .....		Bachelor of Business Administration .....	
<b>Finance</b> .....	30	<b>Paralegal</b> .....	34
Bachelor of Business Administration .....		Associate of Business .....	
<b>Human Resource Management</b> .....	31	<b>Supply Chain Management</b> .....	34–35
Bachelor of Business Administration .....		Bachelor of Business Administration .....	
<b>Interior Design</b> .....	31–32		
Associate of Business .....			
Bachelor of Business Administration .....			





## ACCOUNTING

Every organization needs people who are skilled in accounting. The day-to-day work of accountants ranges from preparing budgets and financial records to completing tax returns and requires attention to detail and the ability to analyze, compare, and interpret financial data. Accountants are also instrumental in helping organizations grow by providing management with the financial information needed for planning, decision making, and operational performance. Additionally, accountants are needed in public, private, civic, and governmental entities.

### Associate of Business Degree

Course	Number	Course Title	Semester Hours
<b>ACCOUNTING MAJOR – 21 HOURS</b>			
ACC	1310	Accounting Applications	03
ACC	1510	Payroll Accounting	03
ACC	2010	Intermediate Accounting I	03
ACC	2310	Computerized Accounting I	03
ACC	2410	Individual Taxation	03
ACC	2610	Cost Accounting I	03
WRKBS	2010	Work Experience	03
<b>BUSINESS REQUIREMENTS – 24 HOURS</b>			
ACC	1010	Principles of Accounting I	03
ACC	1020	Principles of Accounting II	03
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
FIN	1010	Personal Finance	03
LAW	2110	Business Law	03
MGT	1010	Introduction to Business	03
MKT	1110	Principles of Marketing	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

### Bachelor of Business Administration

Course	Number	Course Title	Semester Hours
<b>ACCOUNTING MAJOR – 48 HOURS</b>			
ACC	1310	Accounting Applications	03
ACC	1510	Payroll Accounting	03
ACC	2010	Intermediate Accounting I	03
ACC	2310	Computerized Accounting I	03
ACC	2410	Individual Taxation	03
ACC	2610	Cost Accounting I	03
ACC	3010	Intermediate Accounting II	03
ACC	3410	Business Entities Taxation	03
ACC	3610	Cost Accounting II	03
ACC	4110	Auditing, Systems, and Controls I	03
ACC	4120	Auditing, Systems, and Controls II	03
ACC	4310	Government Accounting	03
ACC	4410	Advanced Accounting	03
ACC	4710	Forensic Accounting	03
WRKBS	2010	Work Experience	03
WRK	4950	Accounting Work Experience	03
<b>BUSINESS REQUIREMENTS – 42 HOURS</b>			
ACC	1010	Principles of Accounting I	03
ACC	1020	Principles of Accounting II	03
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
FIN	1010	Personal Finance	03
FIN	3010	Principles of Finance	03
LAW	2110	Business Law	03
LAW	3110	Advanced Business Law	03
MGT	1010	Introduction to Business	03
MGT	3110	Organizational Change	03

Course	Number	Course Title	Semester Hours
MGT	3210	Management Information Systems	03
MGT	4310	Strategic Management	03
MKT	1110	Principles of Marketing	03
MTH	2750	Statistical Methods	03

#### GENERAL EDUCATION REQUIREMENTS – 30 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03

#### SELECT ONE COURSE FROM THE FOLLOWING:

MTH	1050	QUANTITATIVE REASONING I	03
MTH	1110	COLLEGE ALGEBRA I	03

#### CHOOSE ONE MTH GROUP: A OR B

##### MTH GROUP A

MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03

##### MTH GROUP B

MTH	1110	College Algebra I	03
MTH	301A	College Algebra II	03

#### SELECT ONE COURSE FROM THE FOLLOWING:

PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

#### SELECT ONE COURSE FROM THE FOLLOWING:

ELECTIVE		Communication	03
ELECTIVE		Global/Cultural Perspectives	03
ELECTIVE		Mathematical Reasoning	03
ELECTIVE		Personal/Social Environments	03
ELECTIVE		Scientific Inquiry	03

<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>
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Baker College has received specialized accreditation for its business programs through the International Accreditation Council for Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas. Web address: <http://www.iacbe.org/>



## BUSINESS ADMINISTRATION

Management professionals organize, plan, and lead people and activities within organizations. These professionals are often expected to develop skills in several of the following areas: marketing, finance, accounting, operations, and information management. Working closely with their teams, managers assign work; ensure the teams have appropriate resources, skills and training; and keep them motivated. It is challenging work that requires effective problem-solving, decision-making, and communication skills.

### Associate of Business Degree

Course	Number	Course Title	Semester Hours
<b>BUSINESS ADMINISTRATION MAJOR – 45 HOURS</b>			
ACC	1010	Principles of Accounting I	03
ACC	1020	Principles of Accounting II	03
BUS	2110	Business Analytics	03
BUS	2910	Fundamentals of Project Management	03
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
EN	2010	Introduction to Entrepreneurship	03
FIN	1010	Personal Finance	03
LAW	2110	Business Law	03
MGT	1010	Personal Finance	03
MGT	1110	Professional Management Behavior	03
MGT	2110	Staffing and Performance Management	03
MGT	2210	Management Seminar	03
MKT	1110	Principles of Marketing	03
WRKBS	2010	Work Experience	03



## COLLEGE OF BUSINESS ADMINISTRATION

Course	Number	Course Title	Semester Hours
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
MTH	1050	Quantitative Reasoning I	03
MTH	1110	College Algebra I	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

### Bachelor of Business Administration – Accelerated Program

Course	Number	Course Title	Semester Hours
<b>ELECTIVE CREDIT – 48 HOURS</b>			
ELECTIVE	Transfer/Work/Military Credits		48
<b>MAJOR CORE – 24 HOURS</b>			
BUS	3110	Accounting for Managers	04
BUS	3710	Financial Analysis and Applications	04
BUS	4010	International Business	04
BUS	4110	Human Resources and Employment Law	04
BUS	4210	Marketing Management	04
BUS	4310	Management Strategy	04
<b>REQUIRED CORE COMPETENCIES – 18 HOURS</b>			
ACC		Accounting Elective	03
ECN		Economics Elective	03
FIN		Finance Elective	03
LAW		Law Elective	03
MGT		Management Elective	03
MKT		Marketing Elective	03
<b>GENERAL EDUCATION REQUIREMENTS – 30 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
<b>CHOOSE ONE MTH GROUP: A OR B</b>			
<b>MTH GROUP A</b>			
MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03
<b>MTH GROUP B</b>			
MTH	1110	College Algebra I	03
MTH	1120	College Algebra II	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ELECTIVE		Communication	03
ELECTIVE		Global/Cultural Perspectives	03
ELECTIVE		Mathematical Reasoning	03
ELECTIVE		Personal/Social Environments	03
ELECTIVE		Scientific Inquiry	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

Baker College has received specialized accreditation for its business programs through the International Accreditation Council for Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas. Web address: <http://www.iacbe.org/>



## FINANCE

Corporations, pension funds, insurance companies, and other organizations and individuals who make investment decisions rely on financial analysts to provide information and guidance. By applying their analytical and decision-making skills, they assess stock and bond performance, study trends, and develop portfolio strategies and recommendations to meet financial goals.

### Bachelor of Business Administration

Course	Number	Course Title	Semester Hours
<b>FINANCE MAJOR – 36 HOURS</b>			
ACC	2410	Individual Taxation	03
FIN	3150	Risk Management	03
FIN	3250	Banking and Financial Institutions	03
FIN	3410	Credit Analysis and Commercial Lending	03
FIN	3550	Financial Markets	03
FIN	4010	Personal Financial Planning	03
FIN	4510	International Financial Management	03
FIN	4610	Investment Management	03
FIN	4710	Financial Statement Analysis	03
FIN	4910	Finance Seminar	03
WRKBS	2010	Work Experience	03
WRKBS	4010	Work Experience	03
<b>BUSINESS REQUIREMENTS – 54 HOURS</b>			
ACC	1010	Principles of Accounting I	03
ACC	1020	Principles of Accounting II	03
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
FIN	1010	Personal Finance	03
FIN	2010	Principles of Finance	03
LAW	2110	Business Law	03
MGT	1010	Introduction to Business	03
MGT	3110	Organizational Change	03
MGT	3210	Management Information Systems	03
MKT	1110	Principles of Marketing	03
MTH	2750	Statistical Methods	03
ELECTIVE		Open Electives	18
<b>GENERAL EDUCATION REQUIREMENTS – 30 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
<b>CHOOSE ONE MTH GROUP: A OR B</b>			
<b>MTH GROUP A</b>			
MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03
<b>MTH GROUP B</b>			
MTH	1110	College Algebra I	03
MTH	1120	College Algebra II	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ELECTIVE		Communication	03
ELECTIVE		Global/Cultural Perspectives	03
ELECTIVE		Mathematical Reasoning	03
ELECTIVE		Personal/Social Environments	03
ELECTIVE		Scientific Inquiry	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

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## HUMAN RESOURCE MANAGEMENT

Human resource managers are responsible for attracting, motivating, and retaining qualified employees and matching them to the right jobs. Coordinating a team of specialists, they oversee employee recruiting and hiring, establish compensation guidelines, and help limit job turnover, often in concert with hiring managers and other key organizational stakeholders. They also help employees improve their skills and productivity through training and development opportunities.

The Society for Human Resource Management (SHRM) acknowledged the Baker College Bachelor of Business Administration Human Resource Management program has renewed its alignment with SHRM's *HR Curriculum Guidebook and Templates*.

Throughout the world, 453 programs in 342 educational institutions have been acknowledged by SHRM as being in alignment with its suggested guides and templates. The *HR Curriculum Guidebook and Templates* were developed by SHRM to define the minimum HR content areas for study by students at the undergraduate and graduate levels. The guidelines, created in 2006 and re-validated in 2010 and 2013, are part of SHRM's Academic Initiative to define HR education standards taught in university business schools and to help universities develop degree programs that follow these standards.

### Bachelor of Business Administration

Course	Number	Course Title	Semester Hours
<b>HUMAN RESOURCE MANAGEMENT MAJOR – 36 HOURS</b>			
HRM	3010	Staffing Human Resources	03
HRM	3110	Compensating Human Resources	03
HRM	3150	Performance Management of Human Resources	03
HRM	3410	Training and Developing Human Resources	03
HRM	4010	Human Resources and Employment Law	03
HRM	4150	Human Resources Information Systems and Metrics	03
HRM	4350	International Human Resource Management	03
HRM	4510	Employee and Labor Relations	03
HRM	4910	Strategic Human Resource	03
MGT	3310	Applied Leadership	03
WRKBS	2010	Work Experience	03
WRKBS	4010	Work Experience	03
<b>BUSINESS REQUIREMENTS – 54 HOURS</b>			
ACC	1010	Principles of Accounting I	03
ACC	1020	Principles of Accounting II	03
BUS	2110	Business Analytics	03
BUS	2910	Fundamentals of Project Management	03
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
EN	2010	Introduction to Entrepreneurship	03
FIN	1010	Personal Finance	03
FIN	3010	Principles of Finance	03
LAW	2110	Business Law	03
MGT	1010	Introduction to Business	03
MGT	1110	Professional Management Behavior	03
MGT	2110	Staffing and Performance Management	03
MGT	2210	Management Seminar	03
MGT	3110	Organizational Change	03
MGT	3210	Management Information Systems	03
MKT	1110	Principles of Marketing	03
MTH	2750	Statistical Methods	03
<b>GENERAL EDUCATION REQUIREMENTS – 30 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03

Course	Number	Course Title	Semester Hours
<b>CHOOSE ONE MTH GROUP: A OR B</b>			
<b>MTH GROUP A</b>			
MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03
<b>MTH GROUP B</b>			
MTH	1110	College Algebra I	03
MTH	301A	College Algebra II	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ELECTIVE		Communication	03
ELECTIVE		Global/Cultural Perspectives	03
ELECTIVE		Mathematical Reasoning	03
ELECTIVE		Personal/Social Environments	03
ELECTIVE		Scientific Inquiry	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

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## INTERIOR DESIGN

The feel and function of interior space is as important as the structure that supports and contains it. Interior designers use their creativity and sense of style and proportion to plan, design, and furnish interiors that are aesthetically pleasing and achieve the intended purpose such as increasing productivity, selling merchandise, or improving lifestyle.

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>INTERIOR DESIGN MAJOR – 48 HOURS</b>			
HUM	1010	Art and Architecture I (Antiquity to Renaissance)	03
IND	1010	Introduction to Interior Design	03
IND	1050	Textiles	03
IND	1110	Introduction to Residential Design	03
IND	1150	Interior Design Graphics	03
IND	1210	Rendering Techniques and Perspectives	03
IND	1410	Workroom Practices	03
IND	2010	History of Furnishings	03
IND	2110	Introduction to Commercial Design	03
IND	2310	Building Systems	03
IND	2410	Studio Kitchen and Bath	03
IND	2510	Interior Design Business Practices	03
IND	2610	Introduction to Design Software	03
IND	2650	Interior Design CAD	03
IND	2910	Portfolio Projects	03
WRKAT	2010	Work Experience	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1050	Quantitative Reasoning I	03
PSY	1010	Human Relations	03
SPK	2010	Oral Communication	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>63</b>

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>INTERIOR DESIGN MAJOR – 90 HOURS</b>			
HUM	1020	Art and Architecture II (Baroque to Modern)	03



## COLLEGE OF BUSINESS ADMINISTRATION

Course	Number	Course Title	Semester Hours
IND	1010	Introduction to Interior Design	03
IND	1050	Textiles	03
IND	1110	Introduction to Residential Design	03
IND	1150	Interior Design Graphics	03
IND	1210	Rendering Techniques and Perspectives	03
IND	1410	Workroom Practices	03
IND	2010	History of Furnishings	03
IND	2110	Introduction to Commercial Design	03
IND	2310	Building Systems	03
IND	2410	Studio Kitchen and Bath	03
IND	2510	Interior Design Business Practices	03
IND	2610	Introduction to Design Software	03
IND	2650	Interior Design CAD	03
IND	2910	Portfolio Projects	03
IND	3010	Building Codes and Construction	03
IND	3110	Architectural Design	03
IND	3120	Commercial Architectural Design I	03
IND	3130	Commercial Architectural Design II	03
IND	3210	Advanced Rendering Techniques and Perspectives	03
IND	3310	3-D Modeling	03
IND	3410	Universal and Sustainable Design	03
IND	3610	Designing for Healthcare	03
IND	3910	Integrated Design Studio	03
IND	4010	Lighting Design	03
IND	4210	Historical Preservation	03
IND	4310	Commercial Design I	03
IND	4320	Commercial Design II	03
IND	4990	Senior Design Portfolio	03
WRKTC	2010	Work Experience	03

### GENERAL EDUCATION REQUIREMENTS – 30 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	1010	Art and Architecture I (Antiquity to Renaissance)	03
HUM	4010	Philosophy of Ethics	03
MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03
PSY	1010	Human Relations	03
SCI	4510	Environmental Science	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03

### SEMESTER HOURS REQUIRED FOR GRADUATION 120

The Interior Design associate and bachelor degree programs are accredited by the National Kitchen and Bath Association (NKBA), 687 Willow Grove Street, Hackettstown, NJ 07840; (800) 843-6522. This program is accredited on the Auburn Hills campus.



## LEGAL STUDIES

This program offers students the opportunity to obtain a Bachelor of Science in Legal Studies and receive a quality higher education and appropriate training to enable them to be successful in their careers as paralegals. This program provides students with practical paralegal skills in conjunction with a well-rounded education in anticipation of their service in a modern, multicultural society. Highly competent graduates will be able to assist attorneys in various areas of law and in diverse legal settings. These objectives are met through carefully designed, application-driven academic requirements; practical internship experience; and academic advising throughout the program.

A paralegal is qualified by education, training, or work experience who is employed or retained by a lawyer, law office, corporation, governmental agency, or other entity and who performs specifically delegated substantive legal work for which a lawyer is responsible. Paralegals may

not provide legal services directly to the public except as permitted by law. This program has been approved by the American Bar Association at the Auburn Hills campus only.

## Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>LEGAL STUDIES MAJOR – 90 HOURS</b>			
ACC	1010	Principles of Accounting I	03
CIS	1010	Introduction to Computer Applications	03
MGT	1010	Introduction to Business	03
PAR	1010	Law, Legal Profession, and Terminology	03
PAR	1150	Legal Writing, Research, and Analysis I	03
PAR	1410	Law Office Technology, Management, and Ethics	03
PAR	2010	Torts	03
PAR	2110	Criminal Law and Procedures	03
PAR	2150	Legal Writing, Research, and Analysis II	03
PAR	2310	Wills, Trust, and Probate Administration	03
PAR	2410	Contract Law	03
PAR	2710	Family Law	03
PAR	2910	Civil Litigation	03
PAR	3150	Advanced Legal Writing, Research, and Analysis	03
PAR	3410	Elder Law	03
PAR	3510	Property and Real Estate Law	03
PAR	3610	Employment and Labor Law	03
PAR	3710	Debtor/Creditor Law (Bankruptcy)	03
PAR	4210	Administrative Law	03
PAR	4310	Advanced Legal Technology and Software	03
PAR	4410	Business Organizations	03
PAR	4910	Evidence (Litigation II)	03
SOC	2010	Sociology	03
WRK	2150	Paralegal Work Experience	03

### SELECT TWO COURSES FROM THE FOLLOWING:

PAR	3350	Healthcare and Insurance Law	03
PAR	3450	Alternative Dispute Resolution	03
PAR	4350	Immigration Law	03
PAR	4450	Intellectual Property Law	03

### SELECT TWO COURSES FROM THE FOLLOWING:

ENG	2050	Mass Media and Society	03
ENG	2310	Language and Culture	03
ENG	2410	Creative Writing	03
ENG	3010	Structures of English	03
LIT		Literature Elective	03

### SELECT ONE COURSE FROM THE FOLLOWING:

GEO	1010	Human Geography	03
GEO	1110	Physical Geography	03
HIS		History Elective	03
POL	3110	International Relations	03
SPN	1010	Spanish I	03
SPN	1020	Spanish II	03

### SELECT ONE COURSE FROM THE FOLLOWING:

PSY	2110	Psychology of Death and Dying	03
PSY	2210	Developmental Psychology	03
PSY	2310	Industrial Organizational Psychology	03
PSY	3350	Human Sexuality	03
PSY	3510	Adolescent Psychology	03
PSY	4010	Social Psychology	03
SOC	3010	Social Problems	03

### GENERAL EDUCATION REQUIREMENTS – 30 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03

### CHOOSE ONE MTH GROUP: A OR B

#### MTH GROUP A

MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03

#### MTH GROUP B

MTH	1110	College Algebra I	03
MTH	1120	College Algebra II	03



Course	Number	Course Title	Semester Hours
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
SCI	3210	Principles of Astronomy	03
SCI	4510	Environmental Science	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
SPK	2110	Group Dynamics	03
SPK	4010	Professional Speaking	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

## MANAGEMENT

The objective of this program is to train broadly competent managers for leadership roles in a wide variety of organizations, public or private, product or service oriented, and profit or not-for-profit. To accomplish this basic objective, this program offers students the opportunity to acquire knowledge about the management of human and physical resources and to acquire skills useful in the management of any organization. This program emphasizes the importance of effective oral and written communication, teamwork, decision making, entrepreneurial management, and diversity in the business environment. In addition, this program introduces students to the application and strategic use of the acquired knowledge and skills in areas such as personnel management, organizational behavior, production management, international business, and small business.

### Bachelor of Business Administration

Course	Number	Course Title	Semester Hours
<b>MANAGEMENT MAJOR – 36 HOURS</b>			
ACC	2610	Cost Accounting I	03
BUS	4410	Developing Negotiation Skills	03
FIN	3150	Risk Management	03
MGT	3010	Principles of Management	03
MGT	3310	Applied Leadership	03
MGT	3410	Globalization and Diversity	03
MGT	3510	Applied Business Analytics	03
MGT	4220	Operations Management	03
MGT	4310	Strategic Management	03
MGT	4110	Leading Project Teams	03
WRKBS	2010	Work Experience	03
WRKBS	4010	Work Experience	03
<b>BUSINESS REQUIREMENTS – 54 HOURS</b>			
ACC	1010	Principles of Accounting I	03
ACC	1020	Principles of Accounting II	03
BUS	2110	Business Analytics	03
BUS	2910	Fundamentals of Project Management	03
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
EN	2010	Introduction to Entrepreneurship	03
FIN	1010	Personal Finance	03
FIN	3010	Principles of Finance	03
LAW	2110	Business Law	03
MGT	1010	Introduction to Business	03
MGT	1110	Professional Management Behavior	03
MGT	2110	Staffing and Performance Management	03
MGT	2210	Management Seminar	03
MGT	3110	Organizational Change	03
MGT	3210	Management Information Systems	03
MKT	1110	Principles of Marketing	03
MTH	2750	Statistical Methods	03
<b>GENERAL EDUCATION REQUIREMENTS – 30 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03

Course	Number	Course Title	Semester Hours
<b>CHOOSE ONE MTH GROUP: A OR B</b>			
<b>MTH GROUP A</b>			
MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03
<b>MTH GROUP B</b>			
MTH	1110	College Algebra I	03
MTH	301A	College Algebra II	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ELECTIVE		Communication	03
ELECTIVE		Global/Cultural Perspectives	03
ELECTIVE		Mathematical Reasoning	03
ELECTIVE		Personal/Social Environments	03
ELECTIVE		Scientific Inquiry	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

Students interested in completing the five-year MBA program must apply to the Center for Graduate Studies for acceptance into the program. Students considering this program should contact their academic advisor to review program requirements and acceptance criteria. A minimum 3.5 GPA is required.

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## MARKETING

Marketers provide the link between businesses that have goods and services to sell and customers who want to purchase them. The marketing process involves a variety of activities including research, strategic planning, product development, sales management, and marketing communications. Students in this program participate in active learning and demonstrate an understanding of basic business principles using case studies, business simulations, computer technology, spreadsheets, written reports, problem analysis, professional presentations, ethical values, a global perspective, and human relations skills through individual and team activities in class and in business situations. This degree offers a solid background in the concepts of marketing and business. A marketing degree can lead to a career in such areas as marketing management, marketing research, personal selling and sales management, retail merchandising and management, and promotional strategy and management.

### Bachelor of Business Administration

Course	Number	Course Title	Semester Hours
<b>MARKETING MAJOR – 36 HOURS</b>			
DMD	1110	Introduction to Digital Media	03
DMD	2010	Social Media Marketing	03
MKT	3110	Consumer Behavior	03
MKT	3410	Digital Marketing I	03
MKT	3420	Digital Marketing II	03
MKT	3510	Marketing Analytics	03
MKT	4010	Marketing Research	03
MKT	4110	International Marketing	03
MKT	4310	Marketing Strategy and Design	03
MKT	4410	Sales Strategy	03
WRKBS	2010	Work Experience	03
WRKBS	4010	Work Experience	03
<b>BUSINESS REQUIREMENTS – 54 HOURS</b>			
ACC	1010	Principles of Accounting I	03
ACC	1020	Principles of Accounting II	03



## COLLEGE OF BUSINESS ADMINISTRATION

Course	Number	Course Title	Semester Hours
BUS	2110	Business Analytics	03
BUS	2910	Fundamentals of Project Management	03
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
ELECTIVE		Management Elective	03
ELECTIVE		Management Elective	03
FIN	1010	Personal Finance	03
FIN	3010	Principles of Finance	03
LAW	2110	Business Law	03
MGT	1010	Introduction to Business	03
MGT	1110	Professional Management Behavior	03
MGT	2110	Staffing and Performance Management	03
MGT	3110	Organizational Change	03
MGT	3210	Management Information Systems	03
MKT	1110	Principles of Marketing	03
MTH	2750	Statistical Methods	03

### GENERAL EDUCATION REQUIREMENTS – 30 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03

### CHOOSE ONE MTH GROUP: A OR B

#### MTH GROUP A

MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03

#### MTH GROUP B

MTH	1110	College Algebra I	03
MTH	301A	College Algebra II	03

### SELECT ONE COURSE FROM THE FOLLOWING:

PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

### SELECT ONE COURSE FROM THE FOLLOWING:

ELECTIVE		Communication	03
ELECTIVE		Global/Cultural Perspectives	03
ELECTIVE		Mathematical Reasoning	03
ELECTIVE		Personal/Social Environments	03
ELECTIVE		Scientific Inquiry	03

**SEMESTER HOURS REQUIRED FOR GRADUATION** **120**

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## PARALEGAL

This program is designed to offer education in paralegal studies. Core courses prepare students to assist attorneys by drafting legal documents, interacting with clients, and assisting in court. Students will conduct research and prepare memoranda to aid attorneys in resolving legal issues. Students will learn to assist attorneys with discovery, which includes responding to interrogatories, producing documents, and interviewing witnesses. Students may use their paralegal education in private law firms; corporations; nonprofit organizations; court systems; real estate title companies; banks; insurance companies; healthcare companies; and local, state, and federal government agencies. A paralegal is qualified by education, training, or work experience who is employed or retained by a lawyer, law office, corporation, governmental agency, or other entity and who performs specifically delegated substantive legal work for which a lawyer is responsible. Paralegals may not provide legal services directly to the public except as permitted by law. This program has been approved by the American Bar Association at the Auburn Hills campus only.

## Associate of Business Degree

Course	Number	Course Title	Semester Hours
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### PARALEGAL MAJOR – 45 HOURS

ACC	1010	Fundamentals of Accounting I	03
CIS	1010	Introduction to Computer Applications	03
MGT	1010	Introduction to Business	03
PAR	1010	Law, Legal Profession, and Terminology	03
PAR	1150	Legal Writing, Research, and Analysis I	03
PAR	1410	Law Office Technology, Management, and Ethics	03
PAR	2010	Torts	03
PAR	2110	Criminal Law and Procedures	03
PAR	2150	Legal Writing, Research, and Analysis II	03
PAR	2310	Wills, Trust, and Probate Administration	03
PAR	2410	Contract Law	03
PAR	2710	Family Law	03
PAR	2910	Civil Litigation	03
WRK	2150	Paralegal Work Experience	03

### SELECT ONE COURSE FROM THE FOLLOWING:

ENG	2050	Mass Media and Society	03
ENG	2310	Language and Culture	03
ENG	2410	Creative Writing	03
LIT	2050	Introduction to Literature: World Masterpieces and Critical Approaches	03

### GENERAL EDUCATION REQUIREMENTS – 15 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
SPK	2010	Oral Communication	03

### SELECT ONE COURSE FROM THE FOLLOWING:

MTH	1050	Quantitative Reasoning I	03
MTH	1110	College Algebra I	03

### SELECT ONE COURSE FROM THE FOLLOWING:

PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

**SEMESTER HOURS REQUIRED FOR GRADUATION** **60**

## SUPPLY CHAIN MANAGEMENT

This program provides the skills and knowledge required to be successful throughout a challenging and rewarding career within a supply chain management occupation. Graduates will have opportunities that utilize a multitude of talents and skills, providing an invigorating and exciting career that never grows stagnant. Potential occupations include demand planner, project manager, vendor-managed inventory analyst, logistics analyst, warehouse management, production planner, and transportation specialist. According to the Council of Supply Chain Management Professionals, the supply chain management industry is one of the fastest growing industries within the United States and the world with logistics alone accounting for 9.5% of the U.S. Gross Domestic Product.

Students finishing this program will have completed a well-rounded curriculum including business and general education cores, as well as the major core that examines all aspects of the industry from raw materials to end users and everything in between. Global perspectives combined with cultural diversity are interwoven within the curriculum creating an awareness of today's business environment within which the students will ultimately compete.

## Bachelor of Business Administration

Course	Number	Course Title	Semester Hours
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### SUPPLY CHAIN MANAGEMENT MAJOR – 39 HOURS

BUS	4410	Developing Negotiation Skills	03
CIS	2410	Intermediate Spreadsheets	03
MGT	3010	Principles of Management	03
MGT	3410	Globalization and Diversity	03



Course	Number	Course Title	Semester Hours
MGT	3510	Applied Business Analytics	03
MGT	4220	Operations Management	03
MKT	3110	Consumer Behavior	03
SCM	3010	Procurement and Supply Chain Management	03
SCM	3210	Manufacturing, Planning, and Control	03
SCM	4010	Decision Modeling in Supply Chains	03
SCM	4210	Advanced Topics in Supply Chain Management	03
WRKBS	2010	Work Experience	03
WRKBS	4010	Work Experience	03

**BUSINESS REQUIREMENTS – 51 HOURS**

ACC	1010	Principles of Accounting I	03
ACC	1020	Principles of Accounting II	03
BUS	2110	Business Analytics	03
BUS	2910	Fundamentals of Project Management	03
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
FIN	1010	Personal Finance	03
FIN	3010	Principles of Finance	03
LAW	2110	Business Law	03
MGT	1010	Introduction to Business	03
MGT	2110	Staffing and Performance Management	03
MGT	3110	Organizational Change	03
MGT	3210	Management Information Systems	03
MKT	1110	Principles of Marketing	03
MTH	2750	Statistical Methods	03
ELECTIVE		Management Elective	03
ELECTIVE		Management Elective	03

**GENERAL EDUCATION REQUIREMENTS – 30 HOURS**

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03

**CHOOSE ONE MTH GROUP: A OR B****MTH GROUP A**

MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03

**MTH GROUP B**

MTH	1110	College Algebra I	03
MTH	301A	College Algebra II	03

**SELECT ONE COURSE FROM THE FOLLOWING:**

PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

**SELECT ONE COURSE FROM THE FOLLOWING:**

ELECTIVE		Communication	03
ELECTIVE		Global/Cultural Perspectives	03
ELECTIVE		Mathematical Reasoning	03
ELECTIVE		Personal/Social Environments	03
ELECTIVE		Scientific Inquiry	03

**SEMESTER HOURS REQUIRED FOR GRADUATION** **120**

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# COLLEGE OF EDUCATION AND EARLY CHILDHOOD EDUCATION

## Undergraduate Programs

Dean: Carol Dowsett, Ed.D.

Dean of the School of Education: Chris Schram, Ph.D.

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<b>Elementary Teacher Preparation Social Studies</b> .....	39
Bachelor of Science in Education	
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Postbaccalaureate Certificate	
<b>Secondary Mathematics</b> .....	42
Postbaccalaureate Certificate	
<b>Secondary Social Studies</b> .....	42–43
Postbaccalaureate Certificate	

## Additional Endorsement

<b>Early Childhood Education ZA to ZS</b> .....	43
Postbaccalaureate Certificate	
<b>Early Childhood ZS (General and Special Education)</b> ....	43
Postbaccalaureate Certificate	
<b>Elementary Language Arts</b> .....	43
Postbaccalaureate Certificate	
<b>Elementary Mathematics</b> .....	43
Postbaccalaureate Certificate	
<b>Elementary Social Studies</b> .....	44
Postbaccalaureate Certificate	
<b>Secondary English</b> .....	44
Postbaccalaureate Certificate	
<b>Secondary Mathematics</b> .....	44
Postbaccalaureate Certificate	
<b>Secondary Social Studies</b> .....	44
Postbaccalaureate Certificate	



## EARLY CHILDHOOD EDUCATION

Early childhood educators have the opportunity to have significant impacts on children's lives, using their knowledge and skills to help children explore, learn, and interpret the world around them. The early years of a child's life set the stage, and much of what he or she learns and experiences during this time shapes his or her world in ways that can last a lifetime.

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>EARLY CHILDHOOD EDUCATION MAJOR – 45 HOURS</b>			
ECE	1010	Introduction to Early Childhood Education	03
ECE	1110	Early Childhood Development	03
ECE	1310	Healthy Environments for Early Childhood	03
ECE	1410	Creative Activities	03
ECE	1510	Administration of Early Childhood Programs	03
ECE	1650	Observation and Assessment Techniques for Early Childhood Education Programs	03
ECE	1710	Language Development and Language Arts	03
ECE	1910	CDA Preparation	02
ECE	2010	Infant and Toddler Development and Curriculum	03
ECE	2020	Infant and Toddler Development and Curriculum Lab	01
ECE	2110	Developing Anti-Bias Curriculum	03
ECE	2210	Math, Science, Technology, and Engineering for Early Childhood	03
ECE	2310	Guidance and Discipline	03
ECE	2510	Developing Curriculum for Early Childhood	03
ECE	2710	Early Childhood Education Practicum I	03
ECE	2810	Parents and Teachers: Partners in Education	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
MTH	1050	Quantitative Reasoning I	03
MTH	1110	College Algebra I	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

### Bachelor of Science in Early Childhood Education

Course	Number	Course Title	Semester Hours
<b>EARLY CHILDHOOD EDUCATION MAJOR – 90 HOURS</b>			
ECE	1010	Introduction to Early Childhood Education	03
ECE	1110	Early Childhood Development	03
ECE	1310	Healthy Environments for Early Childhood	03
ECE	1410	Creative Activities	03
ECE	1510	Administration of Early Childhood Programs	03
ECE	1650	Observation and Assessment Techniques for Early Childhood Education Programs	03
ECE	1710	Language Development and Language Arts	03
ECE	1910	CDA Preparation	02
ECE	2010	Infant and Toddler Development and Curriculum	03
ECE	2020	Infant and Toddler Development and Curriculum Lab	01
ECE	2110	Developing Anti-Bias Curriculum	03
ECE	2210	Math, Science, Technology, and Engineering for Early Childhood	03
ECE	2310	Guidance and Discipline	03
ECE	2510	Developing Curriculum for Early Childhood	03
ECE	2710	Early Childhood Education Practicum I	03
ECE	2810	Parents and Teachers: Partners in Education	03
ECE	3010	Advocating for Young Children	03
ECE	3510	Philosophies in Early Childhood Education	03
ECE	3610	Survey of Early Childhood Education Programs	03
ECE	3650	Effect of Trauma and Stress on the Learning and Development of Young Children	03
ECE	3710	Early Childhood Education Practicum II	03

Course	Number	Course Title	Semester Hours
ECE	3750	Implementation of Curriculum in an Early Childhood Education Environment	03
ECE	4010	Advanced Infant/Toddler Care and Curriculum	03
ECE	4410	Music and Movement for Young Children	03
ECE	4510	Early Childhood Education Practicum III	03
ECE	4550	Administrative Operations of Early Childhood Education	03
ECE	4610	Early Assessment and Referral	03
ECE	4710	Early Literacy Intervention	03
EDU	2210	Children's Literature	03
ENG	2310	Language and Culture	03

#### SELECT ONE COURSE FROM THE FOLLOWING:

HUS	1010	Introduction to Human Services	03
HUS	1210	Family Dynamics	03
HUS	2010	Substance Abuse	03
PSY	2010	Cognitive Behavioral Therapy	03
PSY	2110	Psychology of Death and Dying	03

#### GENERAL EDUCATION REQUIREMENTS – 30 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
WRI	3010	Report Writing	03

#### CHOOSE ONE MTH GROUP: A OR B

##### MTH GROUP A

MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03

##### MTH GROUP B

MTH	1110	College Algebra I	03
MTH	1120	College Algebra II	03

#### SELECT ONE COURSE FROM THE FOLLOWING:

PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

#### SEMESTER HOURS REQUIRED FOR GRADUATION

120

The Early Childhood Education Associate Degree Program is accredited by the National Association for the Education of Young Children (NAEYC). 1313 L Street NW, Suite 500, Washington, DC 20005; phone: 202-232-8777, toll free: 800-424-2460 or 866-NAEYC-4U; Web address: [www.naeyc.org](http://www.naeyc.org).



## ELEMENTARY TEACHER PREPARATION EARLY CHILDHOOD ZS (GENERAL AND SPECIAL EDUCATION)

This program provides students with the knowledge and skills necessary to receive a Michigan Provisional Elementary Teaching Certificate, which allows the holder to teach all subjects in general and special education pre-school classrooms, all subjects in kindergarten through grade 5, and in kindergarten through grade 8 self-contained classrooms. Upon graduation and passing the required state tests, the students will be eligible to apply for certification.

### Bachelor of Science in Education

Course	Number	Course Title	Semester Hours
<b>EARLY CHILDHOOD ZS MINOR – 22 HOURS</b>			
ECE	1110	Early Childhood Development	03
ECE	1650	Observation and Assessment Techniques for Early Childhood Education Programs	03
ECE	2010	Infant and Toddler Development and Curriculum	03



## COLLEGE OF EDUCATION AND EARLY CHILDHOOD EDUCATION

Course	Number	Course Title	Semester Hours
ECE	2020	Infant and Toddler Development and Curriculum Lab	01
ECE	2510	Developing Curriculum for Early Childhood	03
ECE	2810	Parents and Teachers: Partners in Education	03
ECE	4610	Early Assessment and Referral	03
ECE	4910	Senior Seminar: Early Childhood Education	03

### COMPREHENSIVE MAJOR – 45 HOURS

EDU	1410	Health and Physical Education for Elementary Educators	03
EDU	1510	Visual and Performing Arts for Elementary Educators	03
EDU	2110	Number Concepts for Educators	03
EDU	2120	Geometric and Statistical Concepts for Educators	03
EDU	2210	Children's Literature	03
EDU	2510	Science Foundations I: Chemistry and Life Science	03
EDU	2520	Science Foundations II: Astronomy, Earth Science, and Physics	03
EDU	3110	Social Studies for Elementary Teachers	03
EDU	3410	Language Arts and Linguistic Foundations	03
ENG	3010	Structures of English	03
GEO	1010	Human Geography	03
GEO	1110	Physical Geography	03
MTH	2710	Probability and Statistics for Educators	03
POL	3010	American Political Systems	03
SPK	2050	Oral Interpretation of Literature	03

### PROFESSIONAL EDUCATION REQUIREMENTS – 45 HOURS

EDU	2010	Introduction to Professional Education Experiences	03
EDU	3120	Educational Psychology	03
EDU	3210	Theory and Principles of Reading Instruction	03
EDU	3310	The Exceptional Learner	03
EDU	3460	Integrating Technology into 21st Century Learning	03
EDU	3710	Early Childhood Education ZS Practicum	03
EDU	4210	Reading in the content Areas	03
EDU	4310	Instructional Design and Assessment	03
EDU	4410	Classroom Development	03
EDU	4450	Educational Foundations	02
EDU	4550	Theory and Techniques of Instruction I	03
EDU	4560	Theory and Techniques of Instruction II	03
EDU	4810	Directed Teaching	10

### GENERAL EDUCATION REQUIREMENTS – 24 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HIS	3410	United States History to 1877	03
MTH	1110	College Algebra I	03
MTH	1120	College Algebra II	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
SPN	1010	Spanish I	03

### SEMESTER HOURS REQUIRED FOR GRADUATION

136

The Baker College Teacher Education Program is awarded TEAC accreditation by the Inquiry Brief Commission of the Council for the Accreditation of Educator Preparation (CAEP) for a period of five years, from October 26, 2014, to October 26, 2019. The accreditation does not include individual education courses that the EPP offers to P-12 educators for professional development, re-licensure, or other purposes.



## ELEMENTARY TEACHER PREPARATION LANGUAGE ARTS

This program provides students with the knowledge and skills necessary to receive a Michigan Provisional Elementary Teaching Certificate, which allows the holder to teach all subjects in kindergarten through grade 5, in kindergarten through grade 8 in self-contained classrooms, and language arts in grades 6 through 8. Students complete the language arts major and the elementary studies minor. Upon graduating and passing the required state tests, students will be eligible to apply for certification.

## Bachelor of Science in Education

Course	Number	Course Title	Semester Hours
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### LANGUAGE ARTS MAJOR – 33 HOURS

ENG	2050	Mass Media and Society	03
ENG	2310	Language and Culture	03
ENG	2410	Creative Writing	03
ENG	3010	Structures of English	03
ENG	4910	Senior Seminar: English and Language Arts	03
LIT	2050	Introduction to Literature: World Masterpieces and Critical Approaches	03
LIT	3310	Survey of American Literature	03
LIT	4050	Young Adult Literature	03
SPK	2010	Oral Communication	03
SPK	2050	Oral Interpretation of Literature	03
WRI	1150	Workplace Communication	03

### PROFESSIONAL EDUCATION REQUIREMENTS – 42 HOURS

EDU	2010	Introduction to Professional Education Experiences	03
EDU	3120	Educational Psychology	03
EDU	3210	Theory and Principles of Reading Instruction	03
EDU	3310	The Exceptional Learner	03
EDU	3460	Integrating Technology into 21st Century Learning	03
EDU	4210	Reading in the Content Areas	03
EDU	4310	Instructional Design and Assessment	03
EDU	4410	Classroom Development	03
EDU	4450	Educational Foundations	02
EDU	4550	Theory and Techniques of Instruction I	03
EDU	4560	Theory and Techniques of Instruction II	03
EDU	4810	Directed Teaching	10

### GENERAL EDUCATION REQUIREMENTS – 33 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
GEO	1010	Human Geography	03
GEO	1020	Physical Geography	03
HIS	3410	United States History to 1877	03
MTH	1110	College Algebra I	03
MTH	2710	Probability and Statistics for Educators	03
POL	3010	American Political Systems	03
SOC	3210	Cultural Diversity	03
MTH	1120	College Algebra II	03
SPN	1010	Spanish I	03

### ELEMENTARY STUDIES MINOR – 27 HOURS

EDU	1410	Health and Physical Education for Elementary Educators	03
EDU	1510	Visual and Performing Arts for Elementary Educators	03
EDU	2110	Number Concepts for Educators	03
EDU	2120	Geometric and Statistical Concepts for Educators	03
EDU	2210	Children's Literature	03
EDU	2510	Science Foundations I: Chemistry and Life Science	03
EDU	2520	Science Foundations II: Astronomy, Earth Science, and Physics	03
EDU	3110	Social Studies for Elementary Teachers	03
EDU	3410	Language Arts and Linguistic Foundations	03

### SEMESTER HOURS REQUIRED FOR GRADUATION

135

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## ELEMENTARY TEACHER PREPARATION MATHEMATICS MAJOR

This program provides students with the knowledge and skills necessary to receive a Michigan Provisional Elementary Teaching Certificate, which allows the holder to teach all subjects in kindergarten through grade 5, in kindergarten through grade 8 in self-contained classrooms, and mathematics in grades 6 through 8. Students complete the mathematics



major and the elementary studies minor. Upon graduating and passing the required state tests, students will be eligible to apply for certification.

## Bachelor of Science in Education

Course	Number	Course Title	Semester Hours
<b>MATHEMATICS MAJOR – 27 HOURS</b>			
MTH	1310	Pre-Calculus	05
MTH	1410	Introduction to Discrete Mathematics	03
MTH	1510	Calculus I	04
MTH	2710	Probability and Statistics for Educators	03
MTH	3110	Algebraic Thinking and Proportional Reasoning	03
MTH	3610	College Geometry	03
MTH	4110	Reasoning and Proof for Elementary Educators	03
MTH	4910	Senior Seminar: Mathematics	03
<b>PROFESSIONAL EDUCATION REQUIREMENTS – 42 HOURS</b>			
EDU	2010	Introduction to Professional Education Experiences	03
EDU	3120	Education Psychology	03
EDU	3210	Theory and Principles of Reading Instruction	03
EDU	3310	The Exceptional Learner	03
EDU	3460	Integrating Technology into 21st Century Learning	03
EDU	4210	Reading in the Content Areas	03
EDU	4310	Instructional Design and Assessment	03
EDU	4410	Classroom Development	03
EDU	4450	Educational Foundations	02
EDU	4550	Theory and Techniques of Instruction I	03
EDU	4560	Theory and Techniques of Instruction II	03
EDU	4810	Directed Teaching	10
<b>GENERAL EDUCATION REQUIREMENTS – 30 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
GEO	1010	Human Geography	03
GEO	1020	Physical Geography	03
HIS	3410	United States History to 1877	03
MTH	1110	College Algebra I	03
POL	3010	American Political Systems	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
SPN	1010	Spanish I	03
<b>ELEMENTARY STUDIES MINOR – 27 HOURS</b>			
EDU	1410	Health and Physical Education for Elementary Teachers	03
EDU	1510	Visual and Performing Arts for Elementary Teachers	03
EDU	2110	Number Concepts for Educators	03
EDU	2120	Geometric and Statistical Concepts for Educators	03
EDU	2210	Children's Literature	03
EDU	2510	Science Foundations I: Chemistry and Life Science	03
EDU	2520	Science Foundations II: Astronomy, Earth Science, and Physics	03
EDU	3110	Social Studies for Elementary Teachers	03
EDU	3410	Language Arts and Linguistic Foundations	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>126</b>

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## ELEMENTARY TEACHER PREPARATION SOCIAL STUDIES

This program provides students with the knowledge and skills necessary to receive a Michigan Provisional Elementary Teaching Certificate, which allows the holder to teach all subjects in kindergarten through grade 5, in kindergarten through grade 8 in self-contained classrooms, and social studies in grades 6 through 8. Students complete the social studies major

and the elementary studies minor. Upon graduating and passing the required state tests, students will be eligible to apply for certification.

## Bachelor of Science in Education

Course	Number	Course Title	Semester Hours
<b>SOCIAL STUDIES MAJOR – 42 HOURS</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
GEO	1010	Human Geography	03
GEO	1020	Physical Geography	03
HIS	3410	United States History to 1877	03
HIS	3420	United States History Since 1877	03
HIS	3510	World History I	03
HIS	3520	World History II	03
HIS	3530	World History III	03
HIS	3540	World History IV	03
HIS	3610	Michigan History	03
HIS	4910	Senior Seminar: History and Social Studies	03
POL	3010	American Political Systems	03
POL	3110	International Relations	03
<b>PROFESSIONAL EDUCATION REQUIREMENTS – 43 HOURS</b>			
EDU	2010	Introduction to Professional Education Experiences	03
EDU	3120	Education Psychology	03
EDU	3210	Theory and Principles of Reading Instruction	03
EDU	3310	The Exceptional Learner	03
EDU	3460	Integrating Technology into 21st Century Learning	03
EDU	3810	Service Learning Project	01
EDU	4210	Reading in the Content Areas	03
EDU	4310	Instructional Design and Assessment	03
EDU	4410	Classroom Development	03
EDU	4450	Educational Foundations	02
EDU	4550	Theory and Techniques of Instruction I	03
EDU	4560	Theory and Techniques of Instruction II	03
EDU	4810	Directed Teaching	10
<b>GENERAL EDUCATION REQUIREMENTS – 24 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
MTH	1120	College Algebra II	03
MTH	2710	Probability and Statistics for Educators	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
SPN	1010	Spanish I	03
<b>ELEMENTARY STUDIES MINOR – 27 HOURS</b>			
EDU	1410	Health and Physical Education for Elementary Teachers	03
EDU	1510	Visual and Performing Arts for Elementary Teachers	03
EDU	2110	Number Concepts for Educators	03
EDU	2120	Geometric and Statistical Concepts for Educators	03
EDU	2210	Children's Literature	03
EDU	2510	Science Foundations I: Chemistry and Life Science	03
EDU	2520	Science Foundations II: Astronomy, Earth Science, and Physics	03
EDU	3110	Social Studies for Elementary Teachers	03
EDU	3410	Language Arts and Linguistic Foundations	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>136</b>

The Baker College Teacher Education Program is awarded TEAC accreditation by the Inquiry Brief Commission of the Council for the Accreditation of Educator Preparation (CAEP) for a period of five years, from October 26, 2014, to October 26, 2019. The accreditation does not include individual education courses that the EPP offers to P-12 educators for professional development, re-licensure, or other purposes.





## SECONDARY TEACHER PREPARATION ENGLISH/MATHEMATICS

This program provides students with the knowledge and skills necessary to receive a Michigan Provisional Secondary Teaching Certificate, which allows the holder to teach his/her majors in grades 6-12. Students complete the English and mathematics majors. Upon graduating and passing the required state tests, students will be eligible to apply for certification.

### Bachelor of Science in Education

Course	Number	Course Title	Semester Hours
<b>ENGLISH MAJOR – 30 HOURS</b>			
ENG	2310	Language and Culture	03
ENG	2410	Creative Writing	03
ENG	3010	Structures of English	03
ENG	4910	Senior Seminar: English and Language Arts	03
LIT	2050	Introduction to Literature: World Masterpieces and Critical Approaches	03
LIT	3110	British Literature: Beginning to Neoclassicism	03
LIT	3150	British Literature: Romanticism to Modernism	03
LIT	3310	Survey of American Literature	03
LIT	4050	Young Adult Literature	03
LIT	4210	Contemporary Literature	03
<b>MATHEMATICS MAJOR – 39 HOURS</b>			
MTH	1310	Pre-Calculus	05
MTH	1410	Introduction to Discrete Mathematics	03
MTH	1510	Calculus I	04
MTH	2510	Calculus II	04
MTH	2710	Probability and Statistics for Educators	03
MTH	3510	Multivariable Calculus	04
MTH	3550	Differential Equations and Linear Algebra	04
MTH	3610	College Geometry	03
MTH	4150	Modern Algebra	03
MTH	4510	Introduction to Real Analysis	03
MTH	4910	Senior Seminar: Mathematics	03
<b>PROFESSIONAL EDUCATION REQUIREMENTS – 39 HOURS</b>			
EDU	2010	Introduction to Professional Education Experiences	03
EDU	3120	Education Psychology	03
EDU	3310	The Exceptional Learner	03
EDU	3460	Integrating Technology into 21st Century Learning	03
EDU	4250	Literacy Education in the Secondary School	03
EDU	4310	Instructional Design and Assessment	03
EDU	4410	Classroom Development	03
EDU	4450	Educational Foundations	02
EDU	4550	Theory and Techniques of Instruction I	03
EDU	4560	Theory and Techniques of Instruction II	03
EDU	4810	Directed Teaching	10
<b>GENERAL EDUCATION REQUIREMENTS – 21 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
POL	3010	American Political Systems	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>129</b>

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## SECONDARY TEACHER PREPARATION ENGLISH/SOCIAL STUDIES

This program provides students with the knowledge and skills necessary to receive a Michigan Provisional Secondary Teaching Certificate, which allows the holder to teach his/her majors in grades 6-12. Students complete the English and social studies majors. Upon graduating and passing the required state tests, students will be eligible to apply for certification.

### Bachelor of Science in Education

Course	Number	Course Title	Semester Hours
<b>ENGLISH MAJOR – 30 HOURS</b>			
ENG	2310	Language and Culture	03
ENG	2410	Creative Writing	03
ENG	3010	Structures of English	03
ENG	4910	Senior Seminar: English and Language Arts	03
LIT	2050	Introduction to Literature: World Masterpieces and Critical Approaches	03
LIT	3110	British Literature: Beginning to Neoclassicism	03
LIT	3150	British Literature: Romanticism to Modernism	03
LIT	3310	Survey of American Literature	03
LIT	4050	Young Adult Literature	03
LIT	4210	Contemporary Literature	03
<b>SOCIAL STUDIES MAJOR – 39 HOURS</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
GEO	1010	Human Geography	03
GEO	1020	Physical Geography	03
HIS	3410	United States History to 1877	03
HIS	3420	United States History Since 1877	03
HIS	3510	World History I	03
HIS	3520	World History II	03
HIS	3530	World History III	03
HIS	3540	World History IV	03
HIS	4910	Senior Seminar: History and Social Studies	03
POL	3010	American Political Systems	03
POL	3110	International Relations	03
<b>PROFESSIONAL EDUCATION REQUIREMENTS – 40 HOURS</b>			
EDU	2010	Introduction to Professional Education Experiences	03
EDU	3120	Education Psychology	03
EDU	3310	The Exceptional Learner	03
EDU	3460	Integrating Technology into 21st Century Learning	03
EDU	3810	Service Learning Project	01
EDU	4250	Literacy Education in the Secondary School	03
EDU	4310	Instructional Design and Assessment	03
EDU	4410	Classroom Development	03
EDU	4450	Educational Foundations	02
EDU	4550	Theory and Techniques of Instruction I	03
EDU	4560	Theory and Techniques of Instruction II	03
EDU	4810	Directed Teaching	10
<b>GENERAL EDUCATION REQUIREMENTS – 24 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
MTH	1120	College Algebra II	03
MTH	2710	Probability and Statistics for Educators	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>133</b>

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## SECONDARY TEACHER PREPARATION MATHEMATICS/SOCIAL STUDIES

This program provides students with the knowledge and skills necessary to receive a Michigan Provisional Secondary Teaching Certificate, which allows the holder to teach his/her majors in grades 6-12. Students complete the mathematics and social studies majors. Upon graduating and passing the required state tests, students will be eligible to apply for certification.

### Bachelor of Science in Education

Course	Number	Course Title	Semester Hours
<b>MATHEMATICS MAJOR – 39 HOURS</b>			
MTH	1310	Pre-Calculus	05
MTH	1410	Introduction to Discrete Mathematics	03
MTH	1510	Calculus I	04
MTH	2510	Calculus II	04
MTH	2710	Probability and Statistics for Educators	03
MTH	3510	Multivariable Calculus	04
MTH	3550	Differential Equations and Linear Algebra	04
MTH	3610	College Geometry	03
MTH	4150	Modern Algebra	03
MTH	4510	Introduction to Real Analysis	03
MTH	4910	Senior Seminar: Mathematics	03
<b>SOCIAL STUDIES MAJOR – 39 HOURS</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
GEO	1010	Physical Geography	03
GEO	1020	Human Geography	03
HIS	3410	United States History to 1877	03
HIS	3420	United States History Since 1877	03
HIS	3510	World History I	03
HIS	3520	World History II	03
HIS	3530	World History III	03
HIS	3540	World History IV	03
HIS	4910	Senior Seminar: History and Social Studies	03
POL	3010	American Political Systems	03
POL	3110	International Relations	03
<b>PROFESSIONAL EDUCATION REQUIREMENTS – 40 HOURS</b>			
EDU	2010	Introduction to Professional Education Experiences	03
EDU	3120	Education Psychology	03
EDU	3310	The Exceptional Learner	03
EDU	3460	Integrating Technology into 21st Century Learning	03
EDU	3810	Service Learning Project	01
EDU	4250	Literacy Education in the Secondary School	03
EDU	4310	Instructional Design and Assessment	03
EDU	4410	Classroom Development	03
EDU	4450	Educational Foundations	02
EDU	4550	Theory and Techniques of Instruction I	03
EDU	4560	Theory and Techniques of Instruction II	03
EDU	4810	Directed Teaching	10
<b>GENERAL EDUCATION REQUIREMENTS – 18 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>136</b>

The Baker College Teacher Education Program is awarded TEAC accreditation by the Inquiry Brief Commission of the Council for the Accreditation of Educator Preparation (CAEP) for a period of five years, from October 26, 2014 and October 26, 2019. The accreditation does not include individual education courses that the EPP offers to P-12 educators for professional development, re-licensure, or other purposes.



## ELEMENTARY EDUCATION LEVEL CHANGE

This program provides teachers with the knowledge and skills needed to add the Elementary Education endorsement to their existing Michigan secondary teaching certificates, allowing them to teach all subjects in kindergarten through grade 5 and in kindergarten through grade 8 self-contained classrooms. The level change may also extend the validity of existing endorsements to additional grade levels. Students complete the elementary studies minor and a portion of the professional education core that is specific to working with elementary students. Upon completing the program and passing the required state tests, students will be eligible to apply for the endorsement.

Program Requirements: Bachelor Degree

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>ELEMENTARY STUDIES REQUIREMENTS – 30 HOURS</b>			
EDU	1410	Health and Physical Education for Elementary Educators	03
EDU	1510	Visual and Performing Arts for Elementary Educators	03
EDU	2110	Number Concepts for Educators	03
EDU	2120	Geometric and Statistical Concepts for Educators	03
EDU	2210	Children's Literature	03
EDU	2510	Science Foundations I: Chemistry and Life Science	03
EDU	2520	Science Foundations II: Astronomy, Earth Science, and Physics	03
EDU	3110	Social Studies Foundations	03
EDU	3410	Language Arts and Linguistic Foundations	03
SPN	1010	Spanish I	03
<b>PROFESSIONAL EDUCATION REQUIREMENTS – 12 HOURS</b>			
EDU	3210	Theory and Principles of Reading Instruction	03
EDU	4210	Reading in the Content Areas	03
EDU	4760	Theory and Techniques Practicum	06
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>42</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## ELEMENTARY EDUCATION AND EARLY CHILDHOOD EDUCATION LEVEL CHANGE

This program provides teachers with the knowledge and skills needed to add both Elementary Education and Early Childhood Education endorsements to their existing Michigan secondary teaching certificate, allowing the holder to teach all subjects in general and special education pre-school, all subjects in kindergarten through grade 5, and in kindergarten through grade 8 self-contained classrooms. Students complete both the Elementary Studies and Early Childhood ZS minors and a portion of the professional education core that is specific to working with elementary students. Upon completing the program and passing the required state tests, students will be eligible to apply for the endorsements.

Program Requirements: Bachelor Degree

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>EARLY CHILDHOOD ZS REQUIREMENTS – 25 HOURS</b>			
ECE	1110	Early Childhood Development	03
ECE	1650	Observation and Assessment Techniques for Early Childhood Education Programs	03



Course	Number	Course Title	Semester Hours
ECE	2010	Infant and Toddler Development and Curriculum	03
ECE	2020	Infant and Toddler Development and Curriculum Lab	01
ECE	2510	Developing Curriculum for Early Childhood	03
ECE	2810	Parents and Teachers: Partners in Education	03
ECE	4610	Early Assessment and Referral	03
ECE	4910	Senior Seminar: Early Childhood Education	03
EDU	3710	Early Childhood Education ZS Practicum	03

## ELEMENTARY STUDIES REQUIREMENTS – 30 HOURS

EDU	1410	Health and Physical Education for Elementary Educators	03
EDU	1510	Visual and Performing Arts for Elementary Educators	03
EDU	2110	Number Concepts for Educators	03
EDU	2120	Geometric and Statistical Concepts for Educators	03
EDU	2210	Children's Literature	03
EDU	2510	Science Foundations I: Chemistry and Life Science	03
EDU	2520	Science Foundations II: Astronomy, Earth Science, and Physics	03
EDU	3110	Social Studies Foundations	03
EDU	3410	Language Arts and Linguistic Foundations	03
SPN	1010	Spanish I	03

## PROFESSIONAL EDUCATION REQUIREMENTS – 12 HOURS

EDU	3210	Theory and Principles of Reading Instruction	03
EDU	4210	Reading in the Content Areas	03
EDU	4760	Theory and Techniques Practicum	06

**SEMESTER HOURS REQUIRED FOR GRADUATION 67**

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## SECONDARY ENGLISH LEVEL CHANGE

This program provides teachers with the knowledge and skills needed to add the Secondary English endorsement to their existing Michigan elementary teaching certificate, allowing them to teach English in grades 6 through 12. Students complete the Secondary English major and a portion of the professional education core that is specific to working with secondary students. Upon completing the program and passing the required state tests, students will be eligible to apply for the endorsement.

Program Requirements: Bachelor Degree

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>SECONDARY ENGLISH REQUIREMENTS – 39 HOURS</b>			
EDU	4250	Literacy Education in the Secondary School	03
EDU	4760	Theory and Techniques Practicum	06
ENG	2310	Language and Culture	03
ENG	2410	Creative Writing	03
ENG	3010	Structures of English	03
ENG	4910	Senior Seminar: English and Language Arts	03
LIT	2050	Introduction to Literature: World Masterpieces and Critical Approaches	03
LIT	3110	British Literature: Beginning to Neoclassicism	03
LIT	3150	British Literature: Romanticism to Modernism	03
LIT	3310	Survey of American Literature	03
LIT	4050	Young Adult Literature	03
LIT	4210	Contemporary Literature	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>39</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## SECONDARY MATHEMATICS LEVEL CHANGE

This program provides teachers with the knowledge and skills needed to add a secondary mathematics endorsement to an existing Michigan elementary teaching certificate allowing the holder to teach mathematics in grades 6 through 12. The level change may also extend the validity of existing endorsements to additional grade levels. Students complete the secondary mathematics major and a portion of the professional education core that is specific to working with secondary students. Upon completing the program and passing the required state tests, students will be eligible to apply for the endorsement.

Program Requirements: Bachelor Degree

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>SECONDARY MATHEMATICS REQUIREMENTS – 48 HOURS</b>			
EDU	4250	Literacy Education in the Secondary School	03
EDU	4760	Theory and Techniques Practicum	06
MTH	1310	Pre-Calculus	05
MTH	1410	Introduction to Discrete Mathematics	03
MTH	1510	Calculus I	04
MTH	2510	Calculus II	04
MTH	2710	Probability and Statistics for Educators	03
MTH	3510	Multivariable Calculus	04
MTH	3550	Differential Equations and Linear Algebra	04
MTH	3610	College Geometry	03
MTH	4150	Modern Algebra	03
MTH	4510	Introduction to Real Analysis	03
MTH	4910	Senior Seminar: Mathematics	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>48</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## SECONDARY SOCIAL STUDIES LEVEL CHANGE

This program provides teachers with the knowledge and skills needed to add a secondary social studies endorsement to their existing Michigan elementary teaching certificate, allowing the holder to teach social studies in grades 6 through 12. Students complete the secondary social studies major and a portion of the professional education core that is specific to working with secondary students. Upon completing the program and passing the required state tests, students will be eligible to apply for the endorsement.

Program Requirements: Bachelor Degree

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>SECONDARY SOCIAL STUDIES REQUIREMENTS – 49 HOURS</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
EDU	3810	Service Learning Project	01
EDU	4250	Literacy Education in the Secondary School	03
EDU	4760	Theory and Techniques Practicum	06
GEO	1010	Human Geography	03
GEO	1110	Physical Geography	03
HIS	3410	United States History to 1877	03
HIS	3420	United States History Since 1877	03
HIS	3510	World History I	03
HIS	3520	World History II	03
HIS	3530	World History III	03
HIS	3540	World History IV	03



Course	Number	Course Title	Semester Hours
HIS	4910	Senior Seminar: History and Social Studies	03
POL	3010	American Political Systems	03
POL	3110	International Relations	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>49</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## EARLY CHILDHOOD EDUCATION ZA TO ZS – ADDITIONAL ENDORSEMENT

This program provides teachers who currently hold the ZA endorsement with the knowledge and skills needed to add the early childhood ZS (General and Special Education) endorsement. Upon completing the program and passing the required state tests, teachers will be eligible to apply for the ZS endorsement.

Program Requirements: Possess ZA Endorsement

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 12 HOURS</b>			
ECE	4010	Advanced Infant and Toddler Care and Curriculum	03
ECE	4610	Early Assessment and Referral	03
ECE	4710	Early Literacy Intervention	03
EDU	3710	Pre-school Practicum	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>12</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## EARLY CHILDHOOD ZS (GENERAL AND SPECIAL EDUCATION) – ADDITIONAL ENDORSEMENT

This program provides teachers with the knowledge and skills needed to add the Early Childhood ZS (General and Special Education) endorsement to their existing Michigan elementary teaching certificate. Upon completing the program and passing the required state tests, teachers will be eligible to apply for the endorsement.

Program Requirements: Bachelor Degree

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 31 HOURS</b>			
ECE	1110	Early Childhood Development	03
ECE	1650	Observation and Assessment Techniques for Early Childhood Education Programs	03
ECE	2010	Infant and Toddler Development and Curriculum	03
ECE	2020	Infant and Toddler Development and Curriculum Lab	01
ECE	2510	Developing Curriculum for Early Childhood	03
ECE	2810	Parents and Teachers: Partners in Education	03
ECE	4610	Early Assessment and Referral	03
ECE	4910	Senior Seminar: Early Childhood Education	03
EDU	3710	Early Childhood Education ZS Practicum	03
EDU	4760	Theory and Techniques Practicum	06
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>31</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## ELEMENTARY LANGUAGE ARTS – ADDITIONAL ENDORSEMENT

This program provides teachers with the knowledge and skills needed to add the Language Arts endorsement to their existing Michigan elementary teaching certificate. Upon completing the program and passing the required state tests, teachers will be eligible to apply for the endorsement.

Program Requirements: Bachelor Degree

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 39 HOURS</b>			
EDU	2210	Children's Literature	03
EDU	3410	Language Arts and Linguistic Foundations	03
ENG	2050	Mass Media and Society	03
ENG	2310	Language and Culture	03
ENG	2410	Creative Writing	03
ENG	3010	Structures of English	03
ENG	4910	Senior Seminar: English and Language Arts	03
LIT	2050	Introduction to Literature: World Masterpieces and Critical Approaches	03
LIT	3310	Survey of American Literature	03
LIT	4050	Young Adult Literature	03
SPK	2010	Oral Communication	03
SPK	2050	Oral Interpretation of Literature	03
WRI	1150	Workplace Communication	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>39</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## ELEMENTARY MATHEMATICS – ADDITIONAL ENDORSEMENT

This program provides teachers with the knowledge and skills needed to add the Elementary Mathematics endorsement to their existing Michigan elementary teaching certificate. Upon completing the program and passing the required state tests, teachers will be eligible to apply for the endorsement.

Program Requirements: Bachelor Degree

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 33 HOURS</b>			
MTH	1310	Pre-Calculus	05
MTH	1410	Introduction to Discrete Mathematics	03
MTH	1510	Calculus I	04
MTH	2710	Probability and Statistics for Educators	03
MTH	3110	Algebraic Thinking and Proportional Reasoning	03
MTH	3610	College Geometry	03
MTH	4110	Reasoning and Proof for Elementary Educators	03
MTH	4910	Senior Seminar: Mathematics	03
EDU	2110	Number Concepts for Educators	03
EDU	2120	Geometric and Statistical Concepts for Educators	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>33</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).



## ELEMENTARY SOCIAL STUDIES — ADDITIONAL ENDORSEMENT

This program provides teachers with the knowledge and skills needed to add the Elementary Social Studies endorsement to their existing Michigan elementary teaching certificate. Upon completing the program and passing the required state tests, teachers will be eligible to apply for the endorsement.

Program Requirements: Bachelor Degree

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 43 HOURS</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
EDU	3810	Service Learning Project	01
GEO	1010	Human Geography	03
GEO	1020	Physical Geography	03
HIS	3410	United States History to 1877	03
HIS	3420	United States History Since 1877	03
HIS	3510	World History I	03
HIS	3520	World History II	03
HIS	3530	World History III	03
HIS	3540	World History IV	03
HIS	3610	Michigan History	03
HIS	4910	Senior Seminar: History and Social Studies	03
POL	3010	American Political Systems	03
POL	3110	International Relations	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>43</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## SECONDARY ENGLISH — ADDITIONAL ENDORSEMENT

This program provides teachers with the knowledge and skills needed to add the Secondary English endorsement to their existing Michigan secondary teaching certificate. Upon completing the program and passing the required state tests, teachers will be eligible to apply for the endorsement.

Program Requirements: Bachelor Degree

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 30 HOURS</b>			
ENG	2310	Language and Culture	03
ENG	2410	Creative Writing	03
ENG	3010	Structures of English	03
ENG	4910	Senior Seminar: English and Language Arts	03
LIT	2050	Introduction to Literature: World Masterpieces and Critical Approaches	03
LIT	3110	British Literature: Beginning to Neoclassicism	03
LIT	3150	British Literature: Romanticism to Modernism	03
LIT	3310	Survey of American Literature	03
LIT	4050	Young Adult Literature	03
LIT	4210	Contemporary Literature	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>30</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## SECONDARY MATHEMATICS — ADDITIONAL ENDORSEMENT

This program provides teachers with the knowledge and skills needed to add the Secondary Mathematics endorsement to their existing Michigan secondary teaching certificate. Upon completing the program and passing the required state tests, teachers will be eligible to apply for the endorsement.

Program Requirements: Bachelor Degree

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 39 HOURS</b>			
MTH	1310	Pre-Calculus	05
MTH	1410	Introduction to Discrete Mathematics	03
MTH	1510	Calculus I	04
MTH	2510	Calculus II	04
MTH	2710	Probability and Statistics for Educators	03
MTH	3510	Multivariable Calculus	04
MTH	3550	Differential Equations and Linear Algebra	04
MTH	3610	College Geometry	03
MTH	4150	Modern Algebra	03
MTH	4510	Introduction to Real Analysis	03
MTH	4910	Senior Seminar: Mathematics	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>39</b>

## SECONDARY SOCIAL STUDIES — ADDITIONAL ENDORSEMENT

This program provides teachers with the knowledge and skills needed to add the Secondary Social Studies endorsement to their existing Michigan secondary teaching certificate. Upon completing the program and passing the required state test, teachers will be eligible to apply for the endorsement.

Program Requirements: Bachelor Degree

### Postbaccalaureate Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 40 HOURS</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
EDU	3810	Service Learning Project	01
GEO	1010	Human Geography	03
GEO	1020	Physical Geography	03
HIS	3410	United States History to 1877	03
HIS	3420	United States History Since 1877	03
HIS	3510	World History I	03
HIS	3520	World History II	03
HIS	3530	World History III	03
HIS	3540	World History IV	03
HIS	4910	Senior Seminar: History and Social Studies	03
POL	3010	American Political Systems	03
POL	3110	International Relations	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>40</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

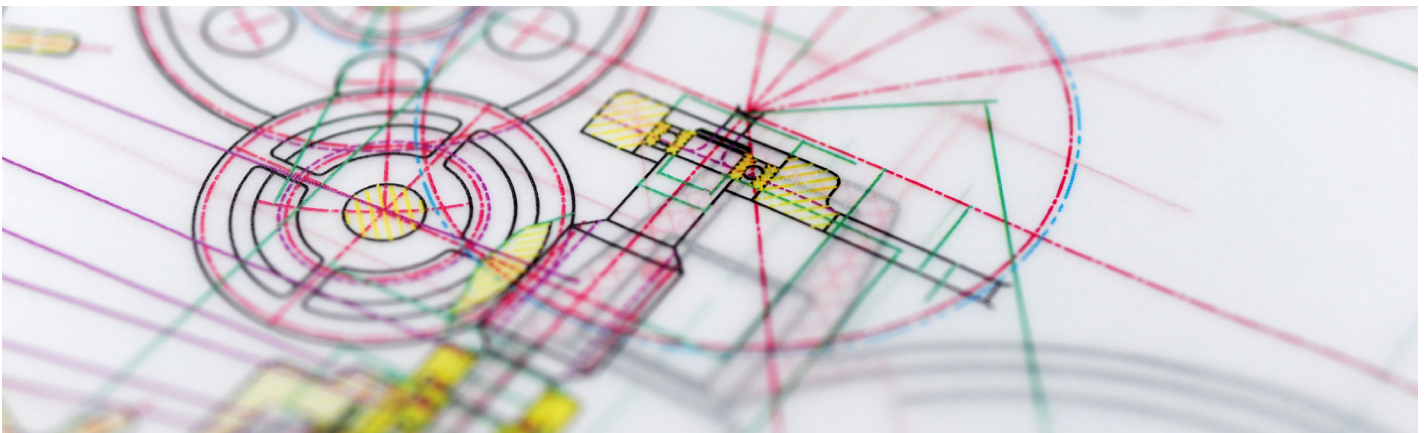


# COLLEGE OF ENGINEERING

## Undergraduate Programs

Dean: Anca Sala, Ph.D.

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Associate of Applied Science		Associate of Applied Science	
<b>Construction Management</b> .....	47	<b>Mechatronics</b> .....	49
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<b>Electrical Engineering</b> .....	47–48	<b>Photonics and Laser Technology</b> .....	50
Bachelor of Science		Associate of Applied Science	





## CIVIL ENGINEERING

Civil engineers design, build, and supervise the construction of large, important projects in the public and private sectors, including roads, buildings, airports, tunnels, bridges, water and sewage systems, and other infrastructures. In the design and planning process, they apply their decision-making and problem-solving skills to analyze and evaluate many factors: topography and soils, building materials, government regulations, potential environmental hazards, construction costs, and more.

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>CIVIL ENGINEERING MAJOR – 87 HOURS</b>			
CE	2110	Surveying	02
CE	2520	Professional Practice	01
CE	2610	Introduction to Environmental Engineering	03
CE	3110	Traffic Engineering	03
CE	3210	Structural Analysis I	03
CE	3350	Fluid Mechanics	03
CE	3410	Soils Mechanics	04
CE	4220	Structural Analysis II	03
CE	4250	Reinforced Concrete Design	03
CE	4270	Steel Design	03
CE	4310	Water Resources Engineering	04
ELECTIVE		Civil Engineering Technical Elective*	03
ELECTIVE		Civil Engineering Technical Elective*	03
ELECTIVE		Civil Engineering Technical Elective*	03
EGR	1010	Fundamentals of Engineering Design	02
EGR	1050	Introduction to Engineering and Design	02
EGR	2710	Computing for Engineers	02
EGR	3210	Engineering Economy I	02
EGR	4910	Engineering Project Management	03
EGR	4920	Senior Design Project	02
ME	2110	Materials Science	04
ME	2210	Statics	03
ME	2250	Dynamics	03
ME	3210	Solid Mechanics	03
ME	3210	Solid Mechanics and Vibrations Lab	01
MTH	2510	Calculus II	04
MTH	3510	Multivariable Calculus	04
MTH	3550	Differential Equations and Linear Algebra	04
SCI	2520	General Physics II	04
WRK	3010	Work Experience	03

#### SELECT THREE CIVIL ENGINEERING TECHNICAL ELECTIVES\* FROM THE FOLLOWING:

CE	4710	Design of Bridges	03
CE	4730	Pre-Stressed Concrete Design	03
CE	4770	Pavement Design	03
CE	4790	Geometric Design of Highways and Airports	03
CE	4810	Foundation Engineering	03
CE	4830	Transportation Engineering	03
CE	4850	Hydrology	03
CE	4870	Hydraulics	03
CE	4890	Water Treatment Principles	03
CE	4910	Construction Engineering	03
CE	4970	Wastewater Collection Systems	03
CE	4990	Solid Waste Principles	03
EGR	4950	Engineering Research	03
ME	3250	Vibrations	03
ME	4710	Introduction to Finite Element Analysis (FEA)	03

#### GENERAL EDUCATION REQUIREMENTS – 33 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
MTH	1510	Calculus I	04
MTH	2750	Statistical Methods	03
SCI	2460	General Chemistry	04
SCI	2510	General Physics I	04
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03

Course	Number	Course Title	Semester Hours
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

## CNC MACHINIST

This program prepares individuals to apply technical knowledge and skills to operate Computer Numerical Control (CNC) machine tools including lathes, mills, precision measuring tools, and related attachments and accessories in order to perform machining functions such as cutting, drilling, shaping, and finishing products and component parts.

NOTE: An associate degree program in Industrial and Manufacturing Technology is available after students graduate with a CNC Machinist certificate.

### Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 30 HOURS</b>			
AMT	2050	Principles of Industrial Safety, Health, and Environment	03
CAD	1410	Introduction to Manufacturing Materials and Processes	03
CNC	1110	Basic Gauges and Measurements	03
CNC	1310	Machining Theory and Methods	04
CNC	1510	CNC Theory and Programming	03
CNC	2010	MasterCAM	03
EGR	1010	Fundamentals of Engineering Design	02
ENG	1010	College Composition I	03
MTH	1110	College Algebra I	03
WRKTC	2010	Work Experience	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>30</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## COMPUTER AIDED DESIGN

Computer-aided design (CAD) technicians design most of the products we use in our day-to-day lives, using technology to create 3-D models and 2-D production drawings. Some technicians work for manufacturing corporations or design firms, and others work independently, accepting contracts to create specific designs. CAD technicians work in almost every industry: packaging, aerospace, furniture, automotive manufacturing, and more. Graduates of the program can continue their education with a bachelor degree in engineering — for example, Mechanical Engineering or Civil Engineering.

### Associate of Applied Science Degree

Course	Number	Course Title	Semester Hours
<b>COMPUTER AIDED DESIGN MAJOR – 45 HOURS</b>			
AMT	2050	Principles of Industrial Safety, Health, and Environment	03
AMT	2150	Fundamentals of Industrial Management	03
CAD	1110	Introduction to Computer Aided Design	03
CAD	1410	Introduction to Manufacturing Materials and Processes	03
CAD	2150	Statics and Strength of Materials	03
CQI	1210	Introduction to Quality Theory	03
EGR	1010	Fundamentals of Engineering	02
EGR	1050	Introduction to Engineering and Design	02
EGR	2990	Capstone Project	03
MTH	1310	Pre-Calculus	05



Course	Number	Course Title	Semester Hours
SCI	2150	Integrated Physics	03
WRKTC	2010	Work Experience	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
CAD	2260	Unigraphics	03
CAD	2310	Pro/ENGINEER	03
CAD	2360	SolidWorks	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
CAD	2270	Unigraphics Intermediate	03
CAD	2320	Pro/ENGINEER Intermediate	03
CAD	2370	SolidWorks Intermediate	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
CAD	2280	Unigraphics Advanced	03
CAD	2330	Pro/ENGINEER Advanced	03
CAD	2380	SolidWorks Advanced	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

## CONSTRUCTION MANAGEMENT

Construction managers plan, direct, and coordinate construction projects from concept through completion. Using the architectural plans for buildings, roads, bridges, or other projects, they oversee the planning, scheduling, and realization of those plans. Working with owners, engineers, architects, and others who are involved in the construction process, construction managers ensure that projects get done on time and within budget.

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>CONSTRUCTION MANAGEMENT MAJOR – 90 HOURS</b>			
ACC	1010	Principles of Accounting I	03
ACC	1020	Principles of Accounting II	03
CIS	1030	Word Processing	01
CIS	1050	Electronic Spreadsheets	01
CM	1010	Introduction to Construction	03
CM	1110	Fundamentals of Drafting and Design	03
CM	1210	Construction Document Analysis	03
CM	2010	Building Codes and Construction	03
CM	2110	Computer Aided Architectural Drawing I	03
CM	2120	Computer Aided Architectural Drawing II	03
CM	2210	Building Materials and Construction	03
CM	2310	Structural Analysis	03
CM	2410	Builder License/Laws	02
CM	2510	Environmental Controls Systems I	03
CM	2610	Construction Cost/Estimating	03
CM	3060	Advanced Surveying	03
CM	3110	Construction Safety	03
CM	3310	Structural Design I	03
CM	3320	Structural Design II	03
CM	4060	Construction Estimating and Bidding	03
CM	4110	Legal Aspects of Construction	03
CM	4160	Construction Contract Administration	03
CM	4210	Sustainable and Energy Efficient Design and Construction	03
CM	4310	Construction Project Planning and Scheduling	03
CM	4410	Environmental Control Systems II	03
CM	4910	Construction Project Management	03
MTH	1310	Pre-Calculus	05
MGT	1010	Introduction to Business	03
MGT	1110	Professional Management Behavior	03
PPM	3010	Project Management	03
WRK	3010	Work Experience	03

Course	Number	Course Title	Semester Hours
<b>GENERAL EDUCATION REQUIREMENTS – 30 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
MTH	1110	College Algebra I	03
SCI	2150	Integrated Physics	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
WRI	1150	Workplace Communication	03
WRI	3010	Report Writing	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

## ELECTRICAL ENGINEERING

Without electricity, modern life would not be possible. Electrical and electronic engineers are the brains behind that power. They design, develop, test, and supervise the manufacturing of electrical equipment involved in power generation, controlling, and transmission. Electrical engineering encompasses multiple areas such as power systems, industrial control and automation, robotics, communications, microprocessors, digital broadcasting, and others. Electrical engineers also often work in areas closely related to computers.

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>ELECTRICAL ENGINEERING MAJOR – 87 HOURS</b>			
CS	1110	Introduction to Programming	03
CS	2150	C++ Programming	03
EE	2110	Circuits and Electronics I	04
EE	2120	Circuits and Electronics II	04
EE	2210	Digital Logic and Circuits	03
EE	3130	Circuits and Electronics III	04
EE	3210	Microprocessors and Microcontrollers	03
EE	3250	Automation and Control	02
EE	3270	Microprocessor/Automation Control Lab	01
EE	3410	Electromagnetic Fields and Waves	04
EE	3610	Dynamic Systems and Control	03
EE	4310	Signals and Systems	03
EE	4510	Energy Conversion and Power Electronics	04
EE	4610	Robotics	03
ELECTIVE		Electrical Engineering Technical Elective*	03
ELECTIVE		Electrical Engineering Technical Elective*	03
ELECTIVE		Electrical Engineering Technical Elective*	03
EGR	1050	Introduction to Engineering and Design	02
EGR	2710	Computing for Engineers	02
EGR	3210	Engineering Economy I	02
EGR	4910	Engineering Project Management	03
EGR	4920	Senior Design Project	02
ME	2110	Materials Science	04
MTH	2510	Calculus II	04
MTH	3510	Multivariable Calculus	04
MTH	3550	Differential Equations and Linear Algebra	04
SCI	2520	General Physics II	04
WRK	3010	Work Experience	03
<b>SELECT THREE ELECTRICAL ENGINEERING TECHNICAL ELECTIVES* FROM THE FOLLOWING:</b>			
CIS	2610	Visual Basic	03
CIS	4010	Advanced Computer Architecture	03
EE	4140	Circuits and Electronics IV	03
EE	4210	Digital Logic Design	03
EE	4230	Digital Signal Processing	03
EE	4250	Embedded Software	03
EE	4350	Communications Systems and Circuits	03



Course	Number	Course Title	Semester Hours
EE	4410	Optoelectronics	03
EE	4450	Laser Systems and Applications	03
EE	4710	Electronic Design Automation	03
EGR	4950	Engineering Research	03
ME	3310	Thermodynamics	03
ME	4870	Mechatronics	03
<b>GENERAL EDUCATION REQUIREMENTS – 33 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
MTH	1510	Calculus I	04
MTH	2750	Statistical Methods	03
SCI	2460	General Chemistry	04
SCI	2510	General Physics I	04
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

## INDUSTRIAL AND MANUFACTURING TECHNOLOGY

The program prepares students to apply basic engineering principles and technical skills in manufacturing and fabrication to the identification and solution of problems in product manufacturing, industrial management, construction, and other areas. Students receive instruction in quality control, industrial processes, industrial management, computer-aided design, and manufacturing automation. Problem solving and teamwork are addressed throughout the program and in the culminating capstone project. Graduates can find employment as manufacturing technicians, quality technicians, maintenance technicians, production supervisors or managers, research and development technicians, and in related occupations.

### Associate of Applied Science Degree

Course	Number	Course Title	Semester Hours
<b>INDUSTRIAL AND MANUFACTURING TECHNOLOGY MAJOR – 45 HOURS</b>			
AMT	2150	Fundamentals of Industrial Management	03
CQI	1210	Introduction to Quality Theory	03
<b>SELECT 27 CREDITS FROM THE FOLLOWING:</b>			
CER CNC		Earned CER CNC degree at Baker College or transfer	27
CER WELD		Earned CER WELD degree at Baker College or transfer	27
JNYCD 1000		Journeyman Status	27
<b>SELECT NINE CREDITS FROM THE FOLLOWING:</b>			
AMT	2410	Introduction to Composite Materials Technology	03
AMT	2450	Advanced Carbon Composites Processes	03
CAD	2260	Unigraphics	03
CAD	2270	Unigraphics Intermediate	03
CAD	2310	Pro/ENGINEER	03
CAD	2320	Pro/ENGINEER Intermediate	03
CAD	2360	SolidWorks	03
CAD	2370	SolidWorks Intermediate	03
CIS	1050	Electronic Spreadsheets	01
CNC	1110	Basic Gauges and Measurements	03
CNC	1310	Machining Theory and Methods	04
CNC	2020	Intermediate MasterCAM	03
CNC	2030	Advanced MasterCAM	03
EET	1610	Introduction to Robotics	03
EET	1620	Advanced Robotics	03
EGR	1010	Fundamentals of Engineering Design	02

Course	Number	Course Title	Semester Hours
MTH	1310	Pre-Calculus	05
WELD	1110	Cutting and Oxy-fuel Welding	04
WELD	1160	Gas Metal Arc Welding	04
WELD	1260	Shielded Metal Arc Welding	04
WELD	2110	Advanced Welding and Cutting	03
WELD	2210	Welding Fabrication Practicum I	03
WELD	2970	Welding Certification II and IV FCAW and GTAW Processes	01
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
EGR	2990	Capstone Project	03
WELD	2220	Welding Fabrication Practicum	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

## MECHANICAL ENGINEERING

Mechanical engineers are essentially inventors who turn ideas into realities. They apply the theories of mathematics and science and the principles of engineering to design, develop, and manufacture the tools, machines, and mechanical devices that run our world. The discipline offers a wide range of opportunities: Mechanical engineers work on projects from jet engines to highly specialized micro-instruments used in surgery.

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>MECHANICAL ENGINEERING MAJOR – 87 HOURS</b>			
ELECTIVE		Mechanical Engineering Technical Elective*	03
ELECTIVE		Mechanical Engineering Technical Elective*	03
ELECTIVE		Mechanical Engineering Technical Elective*	03
EE	2110	Circuits and Electronics I	04
EGR	1010	Fundamentals of Engineering Design	02
EGR	1050	Introduction to Engineering and Design	02
EGR	2710	Computing for Engineers	02
EGR	3210	Engineering Economy I	02
EGR	4910	Engineering Project Management	03
EGR	4920	Senior Design Project	02
ISE	2110	Manufacturing Processes	03
ME	2110	Materials Science	04
ME	2210	Statics	03
ME	2250	Dynamics	03
ME	2410	Introduction to 3-D Modeling	03
ME	2450	Introduction to Computer Aided Engineering (CAE)	02
ME	3210	Solid Mechanics	03
ME	3220	Solid Mechanics and Vibrations Lab	01
ME	3250	Vibrations	03
ME	3270	Mechanical Design	04
ME	3310	Thermodynamics	03
ME	3410	Fluid Mechanics	03
ME	4310	Heat Transfer	03
ME	4350	Thermal Systems Lab	01
ME	4610	Dynamic Systems and Control	03
MTH	2510	Calculus II	04
MTH	3510	Multivariable Calculus	04
MTH	3550	Differential Equations and Linear Algebra	04
SCI	2520	General Physics II	04
WRK	3010	Work Experience	03
<b>SELECT THREE MECHANICAL ENGINEERING TECHNICAL ELECTIVES*</b>			
<b>FROM THE FOLLOWING:</b>			
EGR	4950	Engineering Research	03
ME	4410	Advanced Fluid Mechanics	03



Course	Number	Course Title	Semester Hours
ME	4710	Introduction to Finite Element Analysis (FEA)	03
ME	4730	Intermediate Finite Element Analysis (FEA)	03
ME	4750	Kinematics	03
ME	4770	Noise, Vibrations, and Harshness	03
ME	4790	Biomechanics and Biomaterials	03
ME	4830	Alternative Engines	03
ME	4850	Computer Aided Engineering (CAE) with SolidWorks	03
ME	4870	Mechatronics	03
ME	4950	Engineering Topics	03
<b>GENERAL EDUCATION REQUIREMENTS – 33 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
MTH	1510	Calculus I	04
MTH	2750	Statistical Methods	03
SCI	2460	General Chemistry	04
SCI	2510	General Physics I	04
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03

**SELECT ONE COURSE FROM THE FOLLOWING:**

ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

**SEMESTER HOURS REQUIRED FOR GRADUATION** **120**

This program is accredited by the  
Engineering Accreditation Commission of  
ABET; Web Address: <http://www.abet.org>.



Engineering  
Accreditation  
Commission

**MECHANICAL TECHNOLOGY**

Mechanical technicians work as part of multidisciplinary teams to bring designs to life. Applying their understanding of math and science, they use computer-aided design (CAD) software to transform designs into working models of machinery and equipment for development and testing. Graduates of the program can continue their education with a bachelor degree in engineering — for example, Civil Engineering or Mechanical Engineering.

## Associate of Applied Science Degree

Course	Number	Course Title	Semester Hours
<b>MECHANICAL TECHNOLOGY MAJOR – 45 HOURS</b>			
CAD	2150	Statics and Strength of Materials	03
EET	1110	Electrical Technology	04
EET	1610	Introduction to Robotics	03
EGR	1010	Fundamentals of Engineering Design	02
EGR	1050	Introduction to Engineering and Design	02
EGR	2710	Computing for Engineers	02
EGR	2990	Capstone Project	03
ISE	2110	Manufacturing Processes	03
ME	2410	Introduction to 3-D Modeling	03
ME	2450	Introduction to Computer Aided Engineering	02
ME	2710	Pneumatics and Hydraulics	03
MTH	1310	Pre-Calculus	05
SCI	2150	Integrated Physics	03
SCI	2460	General Chemistry	04
WRKTC	2010	Work Experience	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03

Course	Number	Course Title	Semester Hours
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

**MECHATRONICS**

The manufacture and assembly of precision components and products depend on mechanical systems controlled by electronic equipment. These systems are calibrated, operated, maintained, and tested by electromechanical technicians who are cross-trained in multiple disciplines and apply their broad-based knowledge and technical skills to ensure that equipment and systems function smoothly.

## Associate of Applied Science Degree

Course	Number	Course Title	Semester Hours
<b>MECHATRONICS MAJOR – 61 HOURS</b>			
CAD	1410	Introduction to Manufacturing Materials and Processes	03
CNC	1110	Basic Gauges and Measurements	03
CNC	1310	Machining Theory and Methods	04
EET	1110	Electrical Technology	04
EET	1150	Circuits	04
EET	1610	Introduction to Robotics	03
MATT	1210	Integrated Systems	03
MATT	1350	Electro-Hydraulics	03
MATT	1510	Mechanical Drives	03
MATT	1710	Industrial Safety Hoists and Cranes	02
MATT	1910	Blueprint Reading	01
MATT	2110	Industrial Controls and Instrumentation	03
MATT	2210	Programmable Logic Controller Application	04
MATT	2220	Advanced Programmable Logic Controller Application	04
MATT	2350	Introduction to Gas/Arc/Mig/Tig Welding	03
MATT	2510	General Preventative/Predictive Maintenance	02
MATT	2710	Shop Floor Networking	01
MATT	2990	Capstone Project	06
MTH	1310	Pre-Calculus	05
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03

**SELECT ONE COURSE FROM THE FOLLOWING:**

ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>76</b>



### PHOTONICS AND LASER TECHNOLOGY

Photonics technicians build, test, calibrate, and maintain laser and electro-optic devices and systems that generate, transmit, and manipulate light. The use of photonics and laser technology is growing, with new applications being developed every day — from using lasers in manufacturing and the medical field to nanotechnology and solar cells. Graduates of the program can continue their education with the Bachelor of Science in Electrical Engineering degree.

#### Associate of Applied Science Degree

Course	Number	Course Title	Semester Hours
<b>PHOTONICS AND LASER TECHNOLOGY MAJOR – 45 HOURS</b>			
EET	1110	Electrical Technology	04
EET	1150	Circuits	04
EET	1610	Introduction to Robotics	03
MTH	1310	Pre-Calculus	05
PLT	1210	Introduction to Photonics and Lasers	04
PLT	2310	Optical Components, Systems, and Metrology	03
PLT	2350	Fiber Optics and Data Communications	03
PLT	2410	Laser Systems	04
PLT	2510	Photonics Applications	03
PLT	2710	Capstone Project	03
SCI	2150	Integrated Physics	03
WRKTC	2010	Work Experience	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
CAD	2260	Unigraphics	03
CAD	2310	Pro/ENGINEER	03
CAD	2360	SolidWorks	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ECN	2010	Principles of Macroeconomics	03
ECN	2110	Principles of Microeconomics	03
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>



# COLLEGE OF HEALTH SCIENCE

## Undergraduate Programs

Dean: Lisa Radak, M.B.A., B.H.S., R.T.(R)(T)(CT)

Associate Dean: Rebecca Voelker, M.B.A., B.H.S.A., C.M.A. (AAMA)

Dean of the School of Nursing: Lesley Morgan, Ph.D.

Dean of the School of Occupational Therapy: Jo Anne Crain, Ph.D.

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Associate of Applied Science		Associate of Applied Science	
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Bachelor of Science		Associate of Applied Science	
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Certificate		<b>Nursing (Post-Licensure)</b> .....	61
<b>Medical Laboratory Technician</b> .....	55	Bachelor of Science	
Associate of Applied Science		<b>School of Occupational Therapy</b>	
<b>Medical Reimbursement Specialist</b> .....	55	<b>Occupational Therapy Assistant</b> .....	62
Certificate		Associate of Applied Science	
<b>Orthotics/Prosthetic Technology</b> .....	55–56	<b>Pre-Occupational Therapy</b> .....	62–63
Associate of Applied Science		Bachelor of Science	
<b>Physical Therapist Assistant</b> .....	56		
Associate of Applied Science			
<b>Radiation Therapy</b> .....	56		
Bachelor of Science			



## CARDIAC SONOGRAPHY

This program prepares students by academic and clinical training to provide patient services using diagnostic ultrasound to perform cardiac echo testing under the supervision of a doctor of cardiology. This program will prepare students to perform these skills in a variety of healthcare settings.

Program Status: Limited Enrollment

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>CARDIAC SONOGRAPHY MAJOR – 53 HOURS</b>			
CAS	1010	Noninvasive Cardiology	04
CAS	1210	Introduction to Echocardiography	04
CAS	2010	Cross-Sectional Sonography	03
CAS	2050	Clinical Affiliation I	06
CAS	2110	Cardiac Valve Disease in Sonography	03
CAS	2210	Cardiac Ventricular Disease in Sonography	03
CAS	2310	Clinical Affiliation II	06
CAS	2610	Advanced Disease and Technologies	03
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1250	Introduction to Disease	03
HSC	1810	Acoustical Physics	04
HSC	1850	Introduction to Sonography and Patient Care	03
HSC	2650	Cardiovascular Pharmacology	01
MTH	1120	College Algebra II	03
SCI	1210	Physics Concepts	01
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>68</b>

The Cardiac Sonography program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 25400 US Highway 19 North, Suite 158, Clearwater, FL 33763; phone: (727) 210-2350; fax: (727) 210-2354; on the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS), 2025 Woodlane Drive St. Paul, MN 55125-2998 (651) 731-1582; e-mail jrc-dms@caahpo.org.



## DENTAL ASSISTING

Registered Dental Assistants are licensed healthcare professionals who administer direct restorative and preventive dental services to dental patients, under the supervision of a licensed dentist. Registered Dental Assistants are unique members of the dental healthcare team as they care for their patients providing a variety of services. The Registered Dental Assistant, licensed by the state of Michigan, is able to place, pack and carve amalgam restorations; inspect and chart the oral cavity; expose, process, and mount dental radiographs; remove sutures; size and place temporary fillings and crowns; perform selective coronal polish; capture vital signs; achieve pulp vitality tests; apply fluoride and dental sealants; as well as place and remove a dental dam, periodontal dressing, and retraction cords. Additionally, a Registered Dental Assistant can assist the doctor at chairside, relate home healthcare instructions to patients, prepare instruments and operatories for sterilization and disinfection, as well as

perform the role of an administrative assistant. The profession blends technical skills with people skills.

Successful completion of this program allows the individual to sit for two board exams: (1) the State of Michigan Board Exam, to earn the credential RDA, Registered Dental Assistant, and (2) the Dental Assisting National Board Exam to earn the credential CDA, Certified Dental Assistant.

### Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 41 HOURS</b>			
DAS	1010	Dental Assisting I	04
DAS	1020	Dental Assisting II	03
DAS	1110	Anatomy, Histology, and Pathology for the Dental Assistant	03
DAS	1210	Biomedical Science	02
DAS	1310	Dental Materials	03
DAS	1410	Dental Radiography	04
DAS	1510	Dental Office Management	02
DAS	2010	Clinical Practice Seminar	01
DAS	2011	Clinical Practice	05
DAS	2110	Registered Dental Assistant Functions	03
DAS	2210	Dental Specialties	02
DAS	2310	Dental Ethics and Jurisprudence	02
DAS	2610	CDA/RDA Exam Preparation	02
ENG	1010	College Composition I	03
HSC	1010	Introduction to Health Professions	02
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>41</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

The Dental Assisting Program is accredited by the Commission on Dental Accreditation of the American Dental Association, 211 East Chicago Avenue, Chicago, IL 60611-2678; (312) 440-2718. This is a specialized accrediting body recognized by the Commission on Recognition of Post-Secondary Accreditation and by the United States Department of Education. Please reference <http://www.ada.org> for further information.



## DENTAL HYGIENE

Dental hygienists are licensed oral health professionals who focus on preventing and treating oral diseases of the teeth and gums, and protection of patients' total health. As part of dental hygiene services, dental hygienists perform oral healthcare assessments that include the following: patients' health histories, dental charting, oral cancer screening, and taking vital signs (blood pressure, smoking status, and pulse). Additionally, dental hygienists expose, process, and interpret dental radiographs; remove plaque and calculus from the teeth; apply cavity prevention agents; apply sealants; teach patients proper oral hygiene techniques; counsel patients on good nutrition; provide local anesthesia and nitrous oxide for pain and/or anxiety control. Dental hygienists can work as clinicians, educators, researchers, administrators, managers, consumer advocates, sales managers and consultants. They may work in a variety of healthcare settings such as private dental offices, schools, public health clinics, hospitals, correctional institutions, or nursing homes. Successful completion of the program allows graduates to sit for the National Dental Hygiene written board examination, along with the required regional board examinations required for licensure to practice.

Program Status: Limited Enrollment



## Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>DENTAL HYGIENE MAJOR – 65 HOURS</b>			
DHY	1010	Clinical Dental Hygiene I	03
DHY	1020	Clinical Dental Hygiene II	03
DHY	1030	Clinical Dental Hygiene III	02
DHY	1110	Oral Anatomy and Histology	04
DHY	1210	Principles of Dental Hygiene	02
DHY	1310	Head and Neck Anatomy	02
DHY	1350	Dental Materials	02
DHY	1410	Oral Pathology	02
DHY	1510	Radiography	03
DHY	1610	Pharmacology for the Dental Hygienist	02
DHY	1710	Dental Pain and Anxiety Control	03
DHY	2040	Clinical Dental Hygiene IV	04
DHY	2050	Clinical Dental Hygiene V	04
DHY	2110	Periodontics	03
DHY	2210	Community Dentistry and Education	04
DHY	2310	Dental Law and Ethics	01
DHY	2520	Radiographic Interpretation	01
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1220	Human Anatomy and Physiology II	03
HSC	1221	Human Anatomy and Physiology Lab	01
HSC	2410	Microbiology	03
SCI	2460	General Chemistry	04
SOC	2010	Sociology	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1050	Quantitative Reasoning and Application	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>80</b>

The Dental Assisting Program is accredited by the Commission on Dental Accreditation of the American Dental Association, 211 East Chicago Avenue, Chicago, IL 60611-2678; (312) 440-2718. This is a specialized accrediting body recognized by the Commission on Recognition of Post-Secondary Accreditation and by the United States Department of Education. Please reference <http://www.ada.org> for further information.

**DIAGNOSTIC MEDICAL SONOGRAPHY**

Through academic and clinical training, students are prepared for a career in diagnostic medical sonography, which includes general and vascular studies, that provides patient care while utilizing diagnostic ultrasound equipment. Using diagnostic ultrasound, sonographers gather the information physicians need to treat ailments and disorders. While using critical thinking skills and applying knowledge of scanning techniques for general and vascular disease, students take sonographic images and ensure patient safety. The mission of the diagnostic medical sonography program is to provide didactic and clinical education which enables qualified students to achieve strong communication, critical thinking, and technical skills required to maintain entry-level employment and become a registered diagnostic medical sonographer (RDMS) and registered vascular technologist (RVT).

Program Status: Limited Enrollment

## Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>DIAGNOSTIC MEDICAL SONOGRAPHY MAJOR – 60 HOURS</b>			
DMS	1010	Abdominal Sonography	04
DMS	1210	OB/GYN Sonography I	03
DMS	1310	Sonographic Techniques	03
DMS	2210	OB/GYN Sonography II	03
DMS	2310	Clinical I	06
DMS	2320	Clinical II	06
DMS	2330	Clinical III and Capstone Review	06
DMS	2410	Superficial Structures and Ultrasound Procedures	02
VAS	2220	Non-invasive Vascular I	03
VAS	2320	Non-invasive Vascular II	03
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1250	Introduction to Disease	03
HSC	1810	Acoustical Physics	04
HSC	1850	Introduction to Sonography and Patient Care	03
HSC	2650	Cardiovascular Pharmacology	01
MTH	1120	College Algebra II	03
SCI	1210	Physics Concepts	01
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>75</b>

The Diagnostic Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Educational Programs (CAAHEP), 25400 US Highway 19 North, Suite 158, Clearwater, FL 33763, (727) 210-2350. Program accreditation is granted upon the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS), (JRC-DMS), 6021 University Blvd., Suite 500, Ellicott City, MD 21043-6090 (433) 973-3251; jrc-dms@jcaahpo.org.

**HEALTHCARE ADMINISTRATION**

Healthcare administrators plan, direct and coordinate medical and health services in hospitals, private and public clinics, agencies, and other healthcare organizations. Some administrators specialize in one area, such as finance or marketing, but others have broader responsibilities that can range from managing people and services to developing procedures to improve the quality of health services.

Program Status: Open Enrollment

**APPROVED CREDIT**

**(30 GENERAL EDUCATION AND 41 ELECTIVE CREDITS) – 71**

## Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>HEALTHCARE ADMINISTRATION MAJOR – 24 HOURS</b>			
HSC	1110	Introduction to Healthcare	03
HSC	3110	Health Law and Regulations	03
HSC	3150	Planning and Evaluation of Health Services	03
HSC	4010	Healthcare Administration	03
HSC	4110	Seminar in Health Issues	03
HSC	4210	Ethics for Health Professionals	03
HSC	4310	Health System Finance	03
HSC	4410	Healthcare Administration Externship	03



Course	Number	Course Title	Semester Hours
<b>REQUIRED COURSES – 25 HOURS</b>			
BUS	2110	Business Analytics	03
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1250	Introduction to Disease	03
ACC		Accounting Elective	03
ECN		Economics Elective	03
FIN		Finance Elective	03
HRM		Human Resource Elective	03
LAW		Law Elective	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

## HEALTH INFORMATION TECHNOLOGY

A Health Information Technician is a skilled professional responsible for maintaining, organizing, and producing medical information. The curriculum prepares students for employment in any healthcare setting.

Upon completion of the program, graduates are eligible to sit for the RHIT

National Certification Exam.

Program Status: Open Enrollment

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>HEALTH INFORMATION TECHNOLOGY MAJOR – 45 HOURS</b>			
HIT	1010	Healthcare Delivery Systems	03
HIT	1110	Health Data Content and Structure	03
HIT	1310	Legal and Ethical Issues	03
HIT	2010	Healthcare Data Analytics and Statistics	03
HIT	2110	Coding I ICD	03
HIT	2120	Coding II ICD	03
HIT	2130	Coding III CPT	03
HIT	2210	Clinical Quality Management	03
HIT	2310	Health Information Management	01
HIT	2350	Reimbursement Methodologies	01
HIT	2410	Organization and Leadership	03
HIT	2510	Health Information Technology Professional Practice Experience	02
HIT	2910	RHIT Review	02
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1250	Introduction to Disease	03
HSC	2610	Basic Pharmacology	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1050	Quantitative Reasoning I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

The Health Information Technology Program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM), 233 North Michigan Avenue, 21st Floor, Chicago, IL 60601-1683; (312) 233-1100.



## HEALTH SCIENCE TECHNOLOGY

The Health Science Technology (HST) degree offers flexible course offerings for entry-level health career opportunities. Students pursue selected certificates that prepare them for a variety of in-demand healthcare careers. Students will receive specialized training in one or more disciplines while completing an Associate of Applied Science degree in Health Science Technology.

Students choose certificate option(s) that, when combined with General Education requirements, equal a minimum of 60 semester credit hours. Choose from certificate programs such as Medical Assistant, Medical Reimbursement Specialist, Phlebotomy Technician, Emergency Medical Technician-Basic, Dental Assisting, or Sterile Processing.

\*NOTE: Students must first complete one certificate option prior to enrolling in this program. Students who transfer a certificate in a health-related field from another institution (outside of Baker College) may have to take additional credit hours to meet residency requirements for this associate degree.

### Associate of Applied Science

#### CERTIFICATE OPTION & GENERAL EDUCATION REQUIREMENTS TOTALING A MINIMUM OF 60 SEMESTER CREDITS

Course	Number	Course Title	Semester Hours
<b>GENERAL EDUCATION REQUIREMENTS – 15 SEMESTER CREDITS:</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
MTH	1050	Quantitative Reasoning I	03
MTH	1110	College Algebra I	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

## MEDICAL ASSISTANT

Medical assisting is a multi-skilled allied health profession in which practitioners work primarily in ambulatory settings such as medical offices and clinics. Medical assistants function as members of the healthcare delivery team and perform administrative duties and clinical procedures. Graduates are encouraged to take the national certifying exam. Passing this exam entitles the candidate to the credential CMA (Certified Medical Assistant), AAMA (American Association of Medical Assistants).

Program Status: Open Enrollment

### Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 42 HOURS</b>			
ENG	1010	College Composition I	03
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
MA	1210	Basic Clinical and Administrative Skills	06
MA	1250	Intermediate Administrative Skills	05
MA	1310	Dosage Math and Pharmacology	03
MA	1350	Legal Concepts	02
MA	1410	Clinical Procedures I	05
MA	1450	Clinical Procedures II	06
MA	1590	Credentialing Review and Practicum	06
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>42</b>



Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

The Medical Assistant programs at the Allen Park, Auburn Hills, Cadillac, Clinton Township, Flint, Muskegon, and Owosso campuses are accredited by the Commission on Accreditation Allied Health Education Program (CAAHEP), [www.caahep.org](http://www.caahep.org), 25400 US Highway 19 North, Suite 158, Clearwater, FL 33763. Phone: 727-210-2350, Fax: 727-210-2354, on the recommendation of the Medical Assisting Education Review Board (MAERB), 20 North Wacker Drive, Suite 1575, Chicago, IL, 60606-2930, (312) 899-1500.



The Medical Assistant program at the Jackson campus is accredited by the Commission on Accreditation Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of Medical Assisting Education Review Board (MAERB). The program has been placed on Probationary Accreditation as of July 21, 2016.

## MEDICAL LABORATORY TECHNICIAN

The Medical Laboratory Technician is a skilled professional who works in a clinical laboratory setting under the supervision of a qualified physician and/or medical technologist. The technician performs laboratory procedures involving body fluids in the areas of hematology, microbiology, immunohematology, immunology, clinical chemistry, and urinalysis. A laboratory technician operates automated analyzers and monitors quality control programs. Although technicians have limited patient contact, clinical laboratory testing plays a crucial role in the detection, diagnosis, and treatment of disease. Upon completion of this program, students will be eligible to sit for national certification as a Medical Laboratory Technician.

Program Status: Limited Enrollment

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>MEDICAL LABORATORY TECHNICIAN MAJOR – 47 HOURS</b>			
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1220	Human Anatomy and Physiology II	03
HSC	1221	Human Anatomy and Physiology Lab	01
MLT	1010	Introduction to Medical Laboratory Technician	03
MLT	2010	Hematology and Coagulation	05
MLT	2210	Immunology	02
MLT	2310	Laboratory Chemistry	03
MLT	2410	Medical Microbiology	05
MLT	2510	Immunohematology	04
MLT	2610	Urinalysis	02
MLT	2710	Clinical Experience	06
MLT	2910	MLT Capstone Review	03
SCI	2460	General Chemistry	04
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>62</b>

The Medical Laboratory Technician program at the Allen Park campus is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Rd. Suite 720 Rosemont, IL 60018-5119 PH: (773) 714-8880 x381; FAX: (773) 714-8886.



## MEDICAL REIMBURSEMENT SPECIALIST

Medical reimbursement specialists handle health insurance coding, billing, and payments. They work with insurers, coding specialists, doctors, and health care providers to clarify diagnoses and patient treatments. By applying their knowledge of billing rules and procedures, these specialists ensure claims are accurate and compliant, so medical practices receive the correct reimbursements for the provided services.

Program Status: Open Enrollment

### Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 40 HOURS</b>			
ENG	1010	College Composition I	03
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1250	Introduction to Disease	03
MRS	1210	Introduction to Medical Reimbursement	03
MRS	1310	ICD/CPT/HCPCS Coding	08
MRS	1330	Reimbursement Ethics and Compliance	02
MRS	1350	Revenue Cycle Management	04
MRS	1410	Facility Billing	03
MRS	1450	Advanced Reimbursement Concepts	03
MRS	1590	Certification Review and Internship	05
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>40</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## ORTHOTICS/PROSTHETIC TECHNOLOGY

This program is designed to provide students with a comprehensive education in the disciplines of Orthotic Technology (fabrication of orthopedic braces) and Prosthetic Technology (fabrication of artificial limbs). Students will learn to interpret orthometry forms, apply biomechanical principles, and fabricate orthotic/prosthetic devices. Upon completion of the program, students are eligible to sit for the national exams to become a Certified Technician Orthotics (CTO), Certified Technician Prosthetics (CTP), or Certified Technician Prosthetics/Orthotics (CTPO).

Program Status: Limited Enrollment

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>ORTHOTICS/PROSTHETIC TECHNOLOGY MAJOR – 45 HOURS</b>			
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
OPT	1010	Introduction to Orthotic/Prosthetic Technology	04
OPT	2010	Foot and Ankle Orthotics and Prosthetics	05
OPT	2050	Upper Extremity Orthotics and Prosthetics	05
OPT	2110	Lower Extremity Orthotic Systems	05
OPT	2210	Transibial Prosthetics	05
OPT	2250	Transfemoral Prosthetics	04
OPT	2310	Spinal Orthotics	04
OPT	2510	Orthotics/Prosthetic Clinical Internship	04
OPT	2910	Orthotic/Prosthetic Technology Review	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
SPK	2010	Oral Communication	03



Course	Number	Course Title	Semester Hours
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
MTH	1050	Quantitative Reasoning I	03
MTH	1110	College Algebra I	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

The program is accredited by the National Commission of Orthotics and Prosthetics Education (NCOPE), 330 John Carlyle Street, Suite 200, Alexandria, VA 22314, phone: (703) 836-7114, fax: (703) 836-0838, Web address: <http://www.ncpe.org>, e-mail: [info@ncpe.org](mailto:info@ncpe.org). Accreditation will give graduates eligibility to take the national certification examinations for technicians offered by the American Board for Certification.



## PHYSICAL THERAPIST ASSISTANT

The Physical Therapist Assistant (PTA) is a technical healthcare worker who performs patient care under the supervision of a licensed physical therapist. Typical settings include hospitals, rehabilitation clinics, private practice, geriatric care facilities, sport medicine centers, school systems, and industrial sites. For information about the licensure examination see <http://www.fsbpt.org/ExamCandidates.aspx>.

Program Status: Limited Enrollment

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>PHYSICAL THERAPIST ASSISTANT MAJOR – 61 HOURS</b>			
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1220	Human Anatomy and Physiology II	03
HSC	1221	Human Anatomy and Physiology Lab	01
HSC	2710	Clinical Kinesiology	04
PTA	1110	Introduction to PTA	01
PTA	2010	Acute and Long-Term Care	02
PTA	2050	Clinical Documentation for the PTA	01
PTA	2110	Functional Mobility	02
PTA	2150	Neurological Foundations of Motor Control	02
PTA	2210	Functional Movement Development	02
PTA	2250	Clinical Pathology	02
PTA	2310	Patient Assessment	03
PTA	2350	Cardiopulmonary Rehabilitation	02
PTA	2410	Therapeutic Exercise	03
PTA	2450	Orthopedic Interventions	02
PTA	2510	Professional Preparation	01
PTA	2550	Neurological Management	03
PTA	2610	Pediatric Management	02
PTA	2650	Orthotics and Prosthetics for the PTA	01
PTA	2710	Clinical Education I	02
PTA	2720	Clinical Education II	06
PTA	2730	Clinical Education III	06
PTA	2750	Physical Agents	02
PTA	2810	PTA Seminar and Specialty Practice	01
PTA	2910	PTA Capstone	01
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>76</b>

The Baker College Physical Therapist Assistant Programs at Allen Park, Auburn Hills, Flint, and Muskegon are accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, VA 22314; phone: 703-706-3245; Web address: [www.capteonline.org](http://www.capteonline.org) or via e-mail: [accreditation@apta.org](mailto:accreditation@apta.org)



## RADIATION THERAPY

This program is an allied health discipline, which utilizes radiation for the treatment of cancer and cancer related diseases. The radiation therapist plays an integral role in the management team of physicians, physicists, and other allied health personnel. The professional has the unique opportunity to blend knowledge and skills of mathematics, medical science, and psychology in his or her everyday work. The radiation therapist has the opportunity of knowing patients over a period of several months, and becoming an integral part of their healthcare.

Program Status: Limited Enrollment

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>RADIATION THERAPY MAJOR – 90 HOURS</b>			
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1220	Human Anatomy and Physiology II	03
HSC	1221	Human Anatomy and Physiology Lab	01
HSC	2150	Pathophysiology	03
MTH	2750	Statistical Methods	03
RDT	1010	Introduction to Radiation Therapy	03
RDT	2110	Radiobiology	02
RDT	2210	Patient Care Management	02
RDT	2310	Imaging and Processing in Radiation Oncology	04
RDT	2410	Sectional Anatomy	03
RDT	3110	Radiation Therapy Physics I	03
RDT	3120	Radiation Therapy Physics II	03
RDT	3210	Principles and Practice of Radiation Therapy I	04
RDT	3220	Principles and Practice of Radiation Therapy II	04
RDT	3310	Introduction to Clinical Practicum I	05
RDT	3320	Introduction to Clinical Practicum II	05
RDT	4110	Clinical Practicum I	06
RDT	4120	Clinical Practicum II	06
RDT	4130	Clinical Practicum III	06
RDT	4210	Dosimetry	05
RDT	4310	Senior Seminar I	03
RDT	4320	Senior Seminar II	03
RDT	4410	Quality Management and Operational Issues in Radiation Therapy	03
SCI	1210	Physics Concepts	01
WRI	3010	Report Writing	03
<b>GENERAL EDUCATION REQUIREMENTS – 30 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
MTH	1110	College Algebra I	03
MTH	1120	College Algebra II	03
PSY	2110	Psychology of Death and Dying	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
WRI	1150	Workplace Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

The Radiation Therapy Program is accredited through the Joint Review Committee on Education in Radiologic Technology, 20 Wacker Drive, Suite 2850, Chicago, IL 60606-3182. Phone: (312) 704-5300, Fax: (312)-704-5304. Web address: [www.jrcert.org](http://www.jrcert.org)





## RADIOLOGIC TECHNOLOGY

Radiographers are highly skilled professionals qualified to perform diagnostic imaging procedures and examinations prescribed by licensed medical practitioners. Technologists apply knowledge of anatomy and physiology, positioning, and radiographic techniques to provide quality healthcare services. The mission of the Baker College Radiologic Technology program is to enable qualified students to develop into competent and professional entry-level radiographers who are prepared to successfully sit for the ARRT examination and acquire gainful employment. We believe that this is done through exercises in critical thinking, varied clinical experience, the encouragement of universally responsible behavior, and foundations in guiding radiologic principles.

Program Status: Limited Enrollment

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>RADIOLOGIC TECHNOLOGY MAJOR – 59 HOURS</b>			
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1220	Human Anatomy and Physiology II	03
HSC	1221	Human Anatomy and Physiology Lab	01
HSC	2150	Pathophysiology	03
RAD	1010	Introduction to Radiography	02
RAD	1110	Radiologic Procedures I	04
RAD	1150	Simulation Lab	01
RAD	1210	Radiologic Science I	04
RAD	1250	Radiation Safety	01
RAD	2120	Radiologic Procedures II	06
RAD	2220	Radiologic Science II	06
RAD	2310	Clinical Applications I	06
RAD	2320	Clinical Applications II	06
RAD	2410	Patient Care and Assessment	02
RAD	2450	Radiologic Capstone	03
RAD	2510	CT Basics and Related Anatomy	03
RAD	2610	Radiologic Pharmacology	02
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>74</b>

Joint Review Committee on Education in  
Radiologic Technology, 20 N. Wacker Drive,  
Suite 2850, Chicago, IL 60606-3182, Phone:  
(312) 704-5300, Fax: (312)-704-5304, Email:  
mail@jrcert.org. Web address: www.jrcert.org



## RESPIRATORY CARE

This program is designed to prepare graduates for a highly professional and demanding career as competent Respiratory Care Practitioners. Respiratory Therapists, also known as Respiratory Care Practitioners, are members of a team of healthcare professionals who work to evaluate, treat, and manage patients of all ages with respiratory illnesses and other cardiopulmonary disorders in a wide variety of clinical settings. Respiratory Care Practitioners must behave in a manner consistent with the standards and ethics of all healthcare professionals. In addition to performing respiratory care procedures, respiratory therapists are involved in clinical decision making—such as patient evaluation, treatment selection, and assessment of treatment efficacy—and patient education. Respiratory Care Practitioners work in hospitals, home care companies, physicians' offices, extended care facilities, outpatient centers, respiratory care equipment sales, and as educators in hospitals, colleges, and universities. Therapists may choose to specialize in neonatology or pediatrics caring for infants or children, sleep diagnostics, pulmonary function testing, rehabilitation, providing home care services, or they may choose critical and emergent care settings.

Program Status: Limited Enrollment

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>RESPIRATORY CARE MAJOR – 64 HOURS</b>			
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1220	Human Anatomy and Physiology II	03
HSC	1221	Human Anatomy and Physiology Lab	01
RSC	2010	Equipment and Procedures I	04
RSC	2020	Equipment and Procedures II	04
RSC	2030	Equipment and Procedures III	04
RSC	2050	Pulmonary Rehabilitation and Home Care	03
RSC	2110	Cardiopulmonary Anatomy and Physiology	03
RSC	2150	Advanced Procedures	03
RSC	2210	Acid-Base Regulation	02
RSC	2250	Cardiopulmonary Pathophysiology	03
RSC	2310	Respiratory Care Pharmacology	02
RSC	2410	Neonatal/Pediatric Respiratory Care	02
RSC	2610	Clinical Care I	04
RSC	2620	Clinical Care II	04
RSC	2630	Clinical Care III	05
RSC	2640	Clinical Care IV	04
RSC	2790	Registry Review Seminar	03
SCI	2460	General Chemistry	04
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>79</b>

The Respiratory Care Program at Baker College of Auburn Hills is accredited by the Commission on Accreditation for Respiratory Care (CoARC), 1248 Harwood Road Bedford, TX 76021, (817) 283-2835.





## STERILE PROCESSING TECHNICIAN

This program prepares graduates to enter the field of sterile processing. Sterile processors work in hospitals, outpatient surgery centers and private offices, as well as for instrument and supply companies. This program focuses on the cleaning, disinfection, sterilization and distribution of supplies, instruments and equipment used in various health care settings. Students will gain hands-on experience in a sterile processing department during the clinical portion of the program. Graduates will be eligible to sit for the national certification exam. Graduates must attain 400 hours of working in the field of sterile processing before being eligible to sit for the national certification exam.

Program Status: Open Enrollment

### Certificate

Course	Number	Course Title	Semester Hours
<b>REQUIREMENTS – 17 HOURS</b>			
HSC	1010	Introduction to Health Professions	02
SPT	1010	Introduction to Central Service	03
SPT	1050	Regulations, Standards, and Quality Assurance of Central Service Operation	02
SPT	1110	Principles of Cleaning, Decontamination, Disinfection, and Surgical Instruments	03
SPT	1150	Sterile Processing, Storage and Distribution	03
SPT	1210	Professional Career Preparation	02
WRK	2270	Sterile Processing Technician Clinical Work Experience	02
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>17</b>

Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).

## SURGICAL TECHNOLOGY

A surgical technologist possesses expertise in the theory and application of sterile and aseptic technique and combines the knowledge of human anatomy, pathophysiology, surgical procedures, and implementation tools and technologies to facilitate a physician's performance of surgery. The surgical technologist works under the supervision of a surgeon to ensure that the operating room environment is safe, that equipment functions properly, and that the operative procedure is conducted under conditions that maximize patient safety. Currently, the role of the surgical technologist is expanding to include other areas of surgery such as labor and delivery units, cardiac catheterization labs, outpatient surgery facilities, and for physicians in private practice.

Program Status: Limited Enrollment

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>SURGICAL TECHNOLOGY MAJOR – 51 HOURS</b>			
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1220	Human Anatomy and Physiology II	03
HSC	1221	Human Anatomy and Physiology Lab	01
HSC	2410	Microbiology	03
HSC	2411	Microbiology Lab	01
SUR	2010	Surgical Fundamentals	02
SUR	2110	Surgical Asepsis I	04
SUR	2120	Surgical Asepsis II	02
SUR	2210	Surgical Technology Lab I	02
SUR	2220	Surgical Technology Lab II	04
SUR	2310	Surgical Patient	02
SUR	2350	Surgical Pharmacology and Anesthesia	02

Course	Number	Course Title	Semester Hours
SUR	2410	Surgical Procedures I	04
SUR	2420	Surgical Procedures II	02
SUR	2510	Clinical I	05
SUR	2520	Clinical II	05
SUR	2590	Professional Preparation	03

### GENERAL EDUCATION REQUIREMENTS – 15 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03

### SELECT ONE COURSE FROM THE FOLLOWING:

PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

### SEMESTER HOURS REQUIRED FOR GRADUATION

**66**

The Surgical Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 25400 US Highway 19 North, Suite 158, Clearwater, FL 33763; phone: (727) 210-2350; fax: (727) 210-2354, upon the recommendation of the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA).



## VETERINARY TECHNOLOGY

A veterinary technician can best be thought of as an animal nurse. By definition, a veterinary technician is a person who has completed a 2-year associate degree in Veterinary Technology from an AVMA (American Veterinary Medical Association) accredited institution. The Veterinary Practice Act of Michigan allows veterinary technicians to do anything for the care of animals except diagnose disease, prescribe medication, and perform surgery. Besides providing nursing care, veterinary technicians also function as laboratory technicians, radiology technicians, pharmacy technicians, surgical technicians, and anesthesia technicians. In addition, veterinary technicians are often responsible for a majority of the client education that occurs in a veterinary practice, thus this is a profession that requires excellent communication skills. The veterinary technology profession is very diverse and the opportunities for technicians are extremely varied. Career opportunities exist within, but are not limited to the following areas: small animal hospitals, large animal hospitals, research, education, pharmaceuticals, and the military. Once a student has successfully graduated from an AVMA accredited program, he/she can sit for the national licensing exam. If the graduate passes the VTNE exam, he/she will be eligible for licensure as a Licensed Veterinary Technician (LVT) in the state of Michigan.

Program Status: Limited Enrollment

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>VETERINARY TECHNOLOGY MAJOR – 51 HOURS</b>			
HSC	2410	Microbiology	03
HSC	2411	Microbiology Lab	01
VET	1010	Anatomy and Physiology for Veterinary Technology	05
VET	1050	Fundamentals of Veterinary Technology	04
VET	1110	Laboratory and Exotic Animals Procedures and Nursing	02
VET	1210	Large Animal Procedures and Nursing	02
VET	2010	Veterinary Diagnostic Imaging	03
VET	2050	Veterinary Pathology	04
VET	2110	Veterinary Diagnostic Laboratory Procedures	05
VET	2150	Veterinary Pharmacology	05
VET	2210	Introduction to Veterinary Surgical Procedures/Nursing	05



Course	Number	Course Title	Semester Hours
VET	2310	Advanced Veterinary Surgical Procedures and Nursing	06
VET	2410	Veterinary Technology Capstone/Board Review	02
VET	2510	Veterinary Technology Internship	04
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>66</b>

Accreditation is granted through the American Veterinary Medical Association, Committee on Veterinary Technician Education and Activities (AVMA, CVTEA). Cadillac, Clinton Township, Flint, Jackson, and Muskegon are currently accredited. The Veterinary Technology Program is accredited by the American Veterinary Medical Association, Committee on Veterinary Technician Education and Activities (AVMA, CVTEA), 1931 North Meacham Road, Suite 100, Schaumburg, IL 60173-4630; Phone: (800) 248-2862, Fax: (847) 925-1329; Web address: avma.org.





## NURSING

Any nurse will tell you it can be a tough and demanding job, but he or she will also tell you it's one of the most rewarding careers you can choose.

This is because on a daily basis you're helping people who need it the most. As a nurse, you'll be both a caregiver and a problem solver, someone who helps heal people in mind, body, and spirit. Compassion is critical, but you'll also need a strong aptitude for science and critical thinking to properly treat patients.

The Baker College School of Nursing (SON) offers a variety of degrees to meet the needs of both the student aspiring to become a registered nurse and those students who are already nurses striving to advance their careers with additional education.

The Associate Degree in Nursing (ADN) program offers students the ability to meet the qualifications necessary to take the National Council Licensure Examination (NCLEX) after 18 months of intensive study following pre-requisite course completion and acceptance into the program. The curriculum focuses on those skills required to care for patients in the acute care setting

The Bachelor of Science in Nursing (BSN) degree is offered in two tracks. This degree focuses on the well-rounded practitioner with an emphasis on a liberal arts education as well as a mastery of basic nursing skills. This program is available to those students who wish to obtain credentials to take the NCLEX examination, pre-licensure track, and those students who are already highly skilled practicing nurses, post-licensure track, wishing to expand their nursing knowledge with a focus on population health, research, and leadership skills.

For those nurses ready to prepare themselves for leadership positions (administration track) or educational positions, both in acute and chronic care facilities or academic settings (education track), the master of science in nursing (MSN) program allows nurses to build upon the knowledge and skills obtained in their practice. Note: Please see page 82 of this catalog for information on the MSN program.

### Associate Degree in Nursing (ADN)

Program Status: Limited Enrollment

Program requirements include the following:

- High school diploma or GED equivalent (from an accredited program)
- Successful completion of all designated prerequisite courses with a minimum of a B- (2.7)
- Kaplan admissions test
- Successful completion of all nursing courses with a B- (2.7)

Course	Number	Course Title	Semester Hours
<b>NURSING MAJOR – 42 HOURS</b>			
HSC	2210	Nutrition	03
NUR	2110	Fundamentals of Nursing for the ADN	07
NUR	2210	Health Assessment for the ADN	02
NUR	2310	Nursing Pharmacology Overview for the ADN	02
NUR	2410	Mental Health Nursing for the ADN	03
NUR	2510	Medical/Surgical Nursing I for the ADN	10
NUR	2520	Medical/Surgical Nursing II for the ADN	03
NUR	2610	Child and Family Nursing for the ADN	03
NUR	2710	Maternal Child Nursing for the ADN	03
NUR	2910	Nursing Leadership Seminar for the ADN	06

Course	Number	Course Title	Semester Hours
<b>OTHER REQUIRED COURSES – 16 HOURS</b>			
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1220	Human Anatomy and Physiology II	03
HSC	1221	Human Anatomy and Physiology Lab	01
HSC	2150	Pathophysiology	03
HSC	2410	Microbiology	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1050	Quantitative Reasoning I	03
PSY	1110	General Psychology	03
SPK	2010	Oral Communication	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>73</b>

## NURSING (PRE-LICENSURE)

### Bachelor of Science in Nursing (BSN)

Program Status: Limited Enrollment

Program requirements include the following:

- High school diploma or GED equivalent (from an accredited program)
- Successful completion of all designated prerequisite courses with a minimum of a B- (2.7)
- Kaplan admissions test
- A cumulative GPA of 2.7 (B-) in order to graduate with a BSN degree from Baker College. A minimum grade of a C (2.0) is required for general education courses.

Course	Number	Course Title	Semester Hours
<b>PREREQUISITES – 31 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1220	Human Anatomy and Physiology II	03
HSC	1221	Human Anatomy and Physiology II Lab	01
HSC	2150	Pathophysiology	03
HSC	2310	Biochemistry	03
PSY	1110	General Psychology	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
MTH	1050	Quantitative Reasoning I	03
MTH	1110	College Algebra I	03
<b>NURSING MAJOR – 62 HOURS</b>			
CIS	3710	Introduction to Healthcare Informatics	03
NUR	2150	Fundamentals of Nursing for the BSN	07
NUR	2250	Health Assessment for the BSN	03
NUR	2350	Pharmacology and Medication Administration for the BSN	03
NUR	2550	Medical/Surgical Nursing I for the BSN	07
NUR	3050	Evidence Based Practice for the BSN	03
NUR	3150	Community Nursing for the BSN	04
NUR	3450	Mental Health Nursing for the BSN	04
NUR	3550	Medical/Surgical Nursing II for the BSN	05
NUR	3650	Child and Family Nursing for the BSN	04
NUR	3750	Maternal/Child Nursing for the BSN	04
NUR	4150	Medical/Surgical Nursing III for the BSN	05
NUR	4250	Nursing Leadership for the BSN	03
NUR	4350	Nursing Synthesis for the BSN	04
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
NUR	4650	Global Health	03
NUR	4750	Pathophysiology for Nurses	03



Course	Number	Course Title	Semester Hours
<b>GENERAL EDUCATION REQUIREMENTS – 12 HOURS</b>			
HUM	4010	Philosophy of Ethics	03
MTH	2750	Statistical Methods	03
SOC	3210	Cultural Diversity	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
SPN	1010	Spanish I	03
SPN	1020	Spanish II	03
<b>ADDITIONAL REQUIRED COURSES – 15 HOURS</b>			
HSC	2210	Nutrition	03
HSC	2410	Microbiology	03
HUM	3610	Art Appreciation	03
HUM	3650	Music Appreciation	03
PSY	2210	Developmental Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

The Baccalaureate Pre-licensure Nursing program at Baker College is accredited by the Commission on Collegiate Nursing Education (CCNE); One Dupont Circle NW, Suite 530, Washington, DC; (202) 887-6791. Web address: [www.aacn.nche.edu](http://www.aacn.nche.edu)



Course	Number	Course Title	Semester Hours
PSY	2210	Developmental Psychology	03
SOC	3210	Cultural Diversity	03
SPN	1010	Spanish I	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
HSC	2310	Biochemistry	03
SCI	2150	Integrated Physics	03
SCI	3210	Principles of Astronomy	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ENG		English Elective	03
PSY		Psychology Elective	03
SOC		Sociology Elective	03
SPK		Speech Elective	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

The Baccalaureate Post-licensure Nursing program at Baker College is accredited by the Commission on Collegiate Nursing Education (CCNE); One Dupont Circle, NW, Suite 530, Washington, DC; (202) 887-6791. Web address: [www.aacn.nche.edu](http://www.aacn.nche.edu)



## NURSING (POST-LICENSURE)

Program Status: Open Enrollment

Program requirements include the following:

- Unencumbered license as a registered nurse (RN) in the United States (US), District of Columbia or US territories, or an unencumbered license as a RN in Canada.
- Note: Canadian RNs must complete the practicum of this program under the supervision of a baccalaureate nurse licensed in Canada. Successful completion of the Baker College BSN post licensure program does not qualify Canadian graduates to take the US NCLEX-RN examination.
- A cumulative GPA of B- (2.7) is needed in order to graduate from this track. A minimum grade of B- (2.7) is required for health science courses (SCI, HSC, NUR). A minimum grade of a C (2.0) is required for general education courses.

## Bachelor of Science in Nursing (BSN)

Course	Number	Course Title	Semester Hours
<b>APPROVED CREDIT FOR RN LICENSURE – 47</b>			
<b>APPROVED CREDIT FOR GENERAL EDUCATION</b>			
HSC	1220	Human Anatomy and Physiology II	03
HSC	1221	Human Anatomy and Physiology II Lab	01
HSC	2210	Nutrition	03
HSC	2410	Microbiology	03
PSY	1110	General Psychology	03
<b>NURSING MAJOR – 33 HOURS</b>			
CIS	3210	Introduction to Healthcare Information	03
NUR	3210	Fundamentals of Professional Nursing Practice	03
NUR	3250	Nursing Assessment for the Registered Nurse	03
NUR	3310	Nursing Theory and Research	03
NUR	3350	Health Promotion and Vulnerable Populations	03
NUR	4450	Community Health Nursing	03
NUR	4452	Community Health Nursing Practicum	03
NUR	4550	Nursing Leadership and Management	03
NUR	4552	Nursing Leadership and Management Practicum	03
NUR	4850	Nursing Seminar	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
NUR	4650	Global Health	03
NUR	4750	Pathophysiology for Nurses	03
<b>GENERAL EDUCATION REQUIREMENTS – 27 HOURS</b>			
HUM	3610	Art Appreciation	03
HUM	3650	Music Appreciation	03
HUM	4010	Philosophy of Ethics	03
MTH	2750	Statistical Methods	03



## SCHOOL OF OCCUPATIONAL THERAPY

Occupational therapists work with people who have physical and mental challenges, helping them improve their ability to perform everyday tasks and achieve more independence. They begin by assessing patients' current abilities, and then they develop and implement plans of care that help the patients learn or regain the skills needed to live and work.

### OCCUPATIONAL THERAPY ASSISTANT

Occupational therapy assistants, working under the supervision of occupational therapists, provide skilled treatments to individuals across the lifespan. Treatment interventions are designed to promote successful engagement in everyday activities (occupations). These include the skills necessary for learning, social interaction and recovery from emotional, physical or cognitive limitations.

Program Status: Limited Enrollment

#### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>OCCUPATIONAL THERAPY ASSISTANT MAJOR – 54 HOURS</b>			
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1220	Human Anatomy and Physiology II	03
HSC	1221	Human Anatomy and Physiology II Lab	01
HSC	2710	Clinical Kinesiology	04
OTA	1110	Introduction to Occupational Therapy Assisting	01
OTA	1210	Clinical Pathology and Occupations	03
OTA	2010	OTA Clinical Documentation and Health Records	02
OTA	2050	OTA Principles and Applications in Mental Health	03
OTA	2110	OTA Clinical Techniques in Mental Health	03
OTA	2150	Fundamentals of OTA Practice	03
OTA	2210	OTA Principles and Applications in Physical Dysfunction	03
OTA	2250	Neurological Foundations of Motor Control	02
OTA	2310	OTA Clinical Techniques in Physical Dysfunction	03
OTA	2350	Geriatric Patient Care	02
OTA	2410	Elements of Therapeutic Media	03
OTA	2510	OTA Principles and Applications in Pediatrics	02
OTA	2610	Fieldwork Fundamentals	02
OTA	2710	Level I Fieldwork A	01
OTA	2720	Level I Fieldwork B	01
OTA	3710	Level II Fieldwork A	03
OTA	3720	Level II Fieldwork B	03
OTA	3750	OTA Board Review	00
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
MTH	1050	Quantitative Reasoning I	03
MTH	1110	College Algebra I	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>69</b>

Baker College of Allen Park, Baker College of Owosso, and Baker College of Muskegon are fully accredited by the Accreditation Council for Occupational Therapy Education (ACOTE), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD, 20814-3449; (301) 652-2682; Web address: [www.acoteonline.org](http://www.acoteonline.org). Graduates are eligible to take the national certification examination, qualification for state licensure, specific employment opportunities, and placement at Level I and Level II clinical sites.



### PRE-OCCUPATIONAL THERAPY

Occupational therapists require master's degrees. At Baker College, students must complete the Pre-Occupational Therapy program before entering the Master of Science in Occupational Therapy program. Occupational therapists provide therapeutic interventions to individuals across the lifespan. Interventions are designed to promote successful engagement in everyday activities (occupations). These include the skills necessary for learning, social interaction and recovery from emotional, physical and/or cognitive limitations.

Program Status: Limited Enrollment

#### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>PRE-OCCUPATIONAL THERAPY MAJOR – 97 HOURS</b>			
HSC	1010	Introduction to Health Professions	02
HSC	1210	Human Anatomy and Physiology I	03
HSC	1211	Human Anatomy and Physiology Lab	01
HSC	1220	Human Anatomy and Physiology II	03
HSC	1221	Human Anatomy and Physiology II Lab	01
HSC	2150	Pathophysiology	03
HSC	2710	Clinical Kinesiology	04
HSC	3810	Neuroanatomy	03
HSC	4210	Ethics for Health Professionals	03
MTH	2750	Statistical Methods	03
OCC	1010	Foundations of Occupational Therapy	02
OCC	2220	Therapeutic Use of Occupations	05
OCC	2330	Occupation Centered Theory	05
OCC	2550	Assessment of Occupational Engagement	03
OCC	3020	Mental Health Conditions and Occupational Dysfunction	03
OCC	3060	Complementary Therapies, Wellness, and Occupation	03
OCC	3130	Professional Roles, Responsibilities, and Practice Areas	03
OCC	3140	Documentation in the Healthcare System	03
OCC	3210	Level I Fieldwork (Children)	02
OCC	3310	Child Development and the Implications of Pathology/Conditions	03
OCC	3410	Disease/Injury and Occupational Dysfunction	03
OCC	3510	The Aging Process and the Implications of Pathology/Conditions	03
OCC	4020	Program Planning/Intervention Strategies I	05
OCC	4030	Program Planning/Intervention Strategies II	05
OCC	4220	Occupational Therapy and Case Management	04
OCC	4350	Personal and Environmental Adaptations	05
OCC	4550	Community-Based Occupational Therapy	05
WRI	3010	Report Writing	03
<b>SELECT TWO COURSES FROM THE FOLLOWING:</b>			
PSY	2110	Psychology of Death and Dying	03
PSY	2210	Developmental Psychology	03
PSY	3350	Human Sexuality	03
PSY	3510	Adolescent Psychology	03
PSY	4010	Social Psychology	03



Course	Number	Course Title	Semester Hours
<b>GENERAL EDUCATION REQUIREMENTS – 24 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
PSY	111	Global/Cultural Elective	03
MTH	1110	College Algebra I	03
MTH	1120	College Algebra II	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
SOC		Global/Cultural Elective	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>121</b>

Allen Park, Baker College of Owosso, and Baker College of Muskegon are fully accredited by the Accreditation Council for Occupational Therapy Education (ACOTE), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449; (301) 652-2682; Web address: [www.acoteonline.org](http://www.acoteonline.org). Students must have successfully completed all Level I and Level II clinical experiences and have graduated from an accredited occupational therapy program to be eligible to sit for the national Occupational Therapist Registered Examination.

The combined Pre-Occupational Therapy program and the Master of Occupational Therapy program are currently recognized as fully accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) and can be reached by mail at: c/o Accreditation Department, American Occupational Therapy Association (AOTA), 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449; (301) 652-AOTA; [www.acoteonline.org](http://www.acoteonline.org). Students must have successfully completed all Level I and Level II, clinical experiences, and have graduated from an accredited occupational therapy program to be eligible to sit for the national Occupational Therapist Registered Examination.





# COLLEGE OF INFORMATION TECHNOLOGY

Undergraduate Programs

Dean: Richard Bush, Ph.D.

<b>Computer Science</b> .....	65	<b>Information Technology</b> .....	66-67
Bachelor of Science		Associate of Applied Science	
<b>Game Software Development</b> .....	65-66	<b>Information Technology and Security</b> .....	67-68
Bachelor of Science		Bachelor of Science	
<b>Information Systems</b> .....	66		
Bachelor of Science			





## COMPUTER SCIENCE

Computer science is an essential part of our lives. From smartphones to autonomous vehicles, the computer-operated objects around us shape the way we communicate, travel, work and play. Computer scientists, often called computer programmers, are professionals who work closely with software developers and engineers to apply logic, creative thinking and analytical skills to write, test, debug, modify and maintain the codes that computers use to function. Computer scientists invent the future by developing the architectures, applications and techniques for more advanced computing systems. Computer scientists work across all industries, including finance/banking, consulting, manufacturing, health care, government agencies, automotive, aerospace and education. Due to constant advances in technology, computer scientists need to stay current in the latest programming technologies. Graduates of the program can continue their education with a Master of Science in Information Systems.

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>COMPUTER SCIENCE MAJOR – 72 HOURS</b>			
CIS	1050	Electronic Spreadsheets	01
CIS	2210	Database Management and Design	03
CIS	2510	Systems Development Methods	03
CIS	2610	Visual BASIC	03
CS	1010	Principles of Computer Science	03
CS	1110	Introduction to Programming	03
CS	2010	Net-centric Computing	03
CS	2150	C++ Programming	03
CS	2310	Microprocessor Electronics	03
CS	2410	Java Programming	03
CS	2420	Advanced Java Programming	03
CS	3110	C# Programming	03
CS	3210	Data Structures and Algorithms I	03
CS	3220	Data Structures and Algorithms II	03
CS	3410	Programming for Mobile Devices	03
CS	4510	Unit Testing and Interfaces	03
CS	4810	Trends in Computer Science	03
MTH	1310	Pre-Calculus	05
MTH	1510	Calculus I	04
MTH	2510	Calculus II	04
MTH	3550	Differential Equations and Linear Algebra	04
WRKIT	2010	Work Experience	03
WRKIT	4010	Work Experience	03

#### CONCENTRATION IN COMPUTER PROGRAMMING – 18 HOURS

CIS	1150	iSeries CL and File Design	03
CIS	3010	Computer Architecture	03
CIS	4010	Advanced Computer Architecture	03
CIS	4810	System Development Project	03
CS	3610	Report Builder – Cognos	03
CS	3650	Python Programming	03

#### CONCENTRATION IN DATABASE TECHNOLOGY – 18 HOURS

The Database Technology concentration builds upon the body of knowledge developed in the Bachelor of Science in Computer Science degree. You will study database applications and focus on the core elements of database programming and administration concepts and tasks.

CS	3610	Report Builder – Cognos	03
CS	4210	Database Programming I	03
CS	4220	Database Programming II	03
CS	4650	Advanced Database Topics	03
CIS	4210	Database Administration I	03
CIS	4220	Database Administration II	03

#### CONCENTRATION IN MOBILE APPLICATION

##### SOFTWARE ENGINEERING – 18 HOURS

Smartphones and other mobile devices are growing more powerful to satisfy changing consumer needs. Software engineers and developers are the creative minds behind the computer programs that run these devices and make them functional. Some developers create the applications that perform specific tasks. Others create the underlying systems that run the devices or control networks.

Course	Number	Course Title	Semester Hours
CS	3510	Introduction to Android Mobile SDK and Application Development	03
CS	3520	Advanced Android Mobile Application Development	03
CS	3710	Introduction to iOS Mobile SDK and Application Development	03
CS	3720	Advanced iOS Mobile Application Development	03
CS	4010	Introduction to Windows Mobile SDK and Application Development	03
CS	4020	Advanced Windows Mobile Application Development	03

#### GENERAL EDUCATION REQUIREMENTS – 30 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
MTH	1110	College Algebra I	03
MTH	1410	Introduction to Discrete Mathematics	03
MTH	2750	Statistical Methods	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03

#### SELECT ONE COURSE FROM THE FOLLOWING:

PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

**SEMESTER HOURS REQUIRED FOR GRADUATION 120**

## GAME SOFTWARE DEVELOPMENT

Game Developers create and produce games and simulations that run on computers, video/game consoles, over the Internet, and mobile devices.

Working alone or within a team, Game Developers apply their creativity and skills to design games and simulations that entertain. Once the framework is finalized, Game Developers add video, animations, programming, test and debug, and finally release the final product. Graduates can continue their education with a Master of Science in Information Systems degree.

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>GAME SOFTWARE DEVELOPMENT MAJOR – 90 HOURS</b>			
CIS	1010	Introduction to Computer Applications	03
CIS	2210	Database Management and Design	03
CIS	2510	Systems Development Methods	03
CIS	2610	Visual BASIC	03
CS	1010	Principles of Computer Science	03
CS	1110	Introduction to Programming	03
CS	2150	C++ Programming	03
CS	2410	Java Programming	03
CS	2420	Advanced Java Programming	03
CS	3010	Game Design and Analysis	03
CS	3110	C# Programming	03
CS	3210	Data Structures and Algorithms I	03
CS	3220	Data Structures and Algorithms II	03
CS	3310	Application Security Practices	03
CS	3410	Programming for Mobile Devices	03
CS	3510	Introduction to Android Mobile SDK and Application Development	03
CS	3520	Advanced Android Mobile Application Development	03
CS	3810	Unreal Game Programming I	03
CS	3820	Unreal Game Programming II	03
CS	3850	Game Development	03
CS	4110	Artificial Intelligence	03
CS	4310	Unity Game Programming I	03
CS	4320	Unity Game Programming II	03
CS	4990	Senior Design Project in Game Software Development	03
MTH	1210	Trigonometry	03
MTH	1410	Introduction to Discrete Mathematics	03
PPM	3010	Project Management	03



## COLLEGE OF INFORMATION TECHNOLOGY

Course	Number	Course Title	Semester Hours
WEB	1110	Introduction to HTML	03
WRKIT	2010	Work Experience	03
WRKIT	4010	Work Experience	03
<b>GENERAL EDUCATION REQUIREMENTS – 30 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
ENG	2410	Creative Writing	03
HUM	4010	Philosophy of Ethics	03
MTH	1110	College Algebra I	03
MTH	1120	College Algebra II	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

### INFORMATION SYSTEMS

Information Systems professionals is one of the fastest growing careers. Our Information Systems degree is designed to integrate general business and management knowledge with expertise in computer information systems (including programming, databases, web, project management, networking, and security) to produce the knowledge and skills necessary for employment in a competitive job market. Information Systems professionals leverage the technology and tools to efficiently and effectively solve business problems, manage operations and infrastructure, interact with suppliers and customers, and drive revenue and performance. Graduates can continue their education with a Master of Science in Information Systems degree.

#### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>INFORMATION SYSTEMS MAJOR – 75 HOURS</b>			
ACC	1010	Principles of Accounting	03
BUS	2110	Business Analytics	03
CIS	1110	Computer Operating Systems and Maintenance	03
CIS	1150	iSeries CL and File Design	03
CIS	2210	Database Management and Design	03
CIS	3510	System Modeling and Design	03
CIS	4210	Database Administration I	03
CIS	4310	Enterprise Architecture	03
CIS	4410	IS Strategy, Management, and Acquisition	03
CIS	4950	Special Topics in Information Systems	03
CIS	4990	Senior Project in Information Systems	03
CS	1110	Introduction to Programming	03
CS	2150	C++ Programming	03
CS	2410	Java Programming	03
CS	4210	Database Programming I	03
ITS	2110	Introduction to Network Security	03
ITS	3210	Legal and Ethical Issues in Information Technology	03
MGT	1010	Introduction to Business	03
MGT	3010	Principles of Management	03
MGT	3210	Management Information Systems	03
MTH	2750	Statistical Methods	03
NET	1010	Networking Essentials	03
PPM	3010	Project Management	03
WRKIT	2010	Work Experience	03
WRKIT	4010	Work Experience	03
<b>CONCENTRATION IN ASSURANCE SPECIALIST – 18 HOURS</b>			
ITS	3050	Security Policies and Auditing/Risk	03
ITS	3150	Information Systems Threat Assessment	03
ITS	3250	Securing Systems	03
ITS	4050	Internet and Web Security	03
ITS	4150	Firewall Concepts	03
ITS	4350	Disaster Recovery	03

Course	Number	Course Title	Semester Hours
<b>CONCENTRATION IN IBM I SERIES – 15 HOURS</b>			
CIS	1310	RPG IV	03
CIS	2310	Advanced RPG IV	03
CIS	2710	IBM i-Series I	03
CIS	2720	IBM i-Series II	03
CIS	2730	IBM i-Series III	03
CS	3610	Report Builder – Cognos	03
<b>CONCENTRATION IN PROJECT MANAGEMENT AND PLANNING – 18 HOURS</b>			
Project managers who specialize in information technology focus on the continuous improvement of an organization's computer systems. Combining their knowledge of computers and information systems with management skills and techniques, they work with top management to define information technology needs and goals, make recommendations for improvements and upgrades, and lead the technical team that develops and implements the solutions.			
PPM	3110	Project Planning	03
PPM	3210	Negotiation Strategies	03
PPM	4010	Project Cost and Budget Management	03
PPM	4110	Leading Project Teams	03
PPM	4210	Contracting and Procurement for Project Managers	03
PPM	4990	Senior Design Project in Project Management	03
<b>CONCENTRATION IN WEB DEVELOPMENT – 18 HOURS</b>			
WEB	1110	Introduction to HTML	03
WEB	1210	World Wide Web Design	03
WEB	1310	Web Development I	03
WEB	1320	Web Development II	03
WEB	2110	Web Scripting	03
WEB	2210	Interactive Web Design	03
<b>GENERAL EDUCATION REQUIREMENTS – 27 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
GE		General Education Elective	03
MTH	1110	College Algebra I	03
MTH	1120	College Algebra II	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

### INFORMATION TECHNOLOGY

Network technicians use their analytical skills and specialized knowledge to build, install, analyze, troubleshoot and maintain the hardware and software that make computer networks function. Thanks to their expertise in local-area networks (LANs), wide-area networks (WANs), intranets, wireless networks and other communication systems, critical information continues to flow to support organizations' operational and regulatory needs. Network technicians are able to effectively troubleshoot a wide range of problems; multitask; communicate with co-workers, vendors and clients; organize and prioritize tasks; and work alone as well as in groups. Graduates of the program can continue their education with a Bachelor of Science in Information Technology and Security or a Bachelor of Science in Information Systems.

#### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>INFORMATION TECHNOLOGY MAJOR – 33 HOURS</b>			
CIS	1110	Computer Operating Systems and Maintenance	03
CIS	2210	Database Management and Design	03
ITS	2110	Introduction to Network Security	03
ITS	2210	VPN Firewall	03



Course	Number	Course Title	Semester Hours
ITS	2310	Linux I	03
ITS	2320	Linux II	03
MNP	2110	Microsoft Client/Server OS	03
MNP	2150	Microsoft Server	03
NET	1010	Networking Essentials	03
NET	2310	Virtual Environment: Installation, Configuration, and Management	03
WRKIT	2010	Work Experience	03

#### CHOOSE ONE NETWORKING GROUP: A, B OR C (12 HOURS)

##### NETWORKING GROUP A

CSC	2010	CISCO CCENT Networking I	03
CSC	2020	CISCO CCENT Networking II	03
CSC	2110	CISCO CCNA Networking I	03
CSC	2120	CISCO CCNA Networking II	03

##### NETWORKING GROUP B

CSC	2010	CISCO CCENT Networking I	03
CSC	2020	CISCO CCENT Networking II	03
MNP	2210	Server Administration I	03
MNP	2220	Server Administration II	03

##### NETWORKING GROUP C

NET	2210	Routers and Routing	03
NET	2250	Advanced Routers and Routing	03
MNP	2210	Server Administration I	03
MNP	2220	Server Administration II	03

#### GENERAL EDUCATION REQUIREMENTS – 15 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
SPK	2010	Oral Communication	03

#### SELECT ONE COURSE FROM THE FOLLOWING:

PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

**SEMESTER HOURS REQUIRED FOR GRADUATION** **60**

## INFORMATION TECHNOLOGY AND SECURITY

Information Technology and Security has become one of the highest demand areas by employers. Information, whether personal or business, is extremely valuable and there will always be individuals looking for ways to acquire it. Organizations need technology professionals who understand and can defend against the many threats to protect their valuable assets and run secure networks in today's global business environment. Earning an Information Technology and Security degree prepares graduates for careers in network and computer systems administration; computer user support; information assurance and risk management; and cyber defense. Leveraging specialized skills and an understanding of business processes, students develop, troubleshoot, support, and protect computer networks to help organizations operate more effectively and securely. Graduates can continue their education with a Master of Science in Information Systems degree.

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>INFORMATION TECHNOLOGY AND SECURITY MAJOR – 78 HOURS</b>			
CIS	1110	Computer Operating Systems and Maintenance	03
CIS	2210	Database Management and Design	03
CS	1110	Introduction to Programming	03
ITS	2110	Introduction to Network Security	03
ITS	2210	VPN Firewall	03
ITS	2310	Linux I	03
ITS	2320	Linux II	03
ITS	2330	Linux III	03
ITS	3050	Security Policies and Auditing/Risk	03
ITS	3210	Legal and Ethical Issues in Information Technology	03

Course	Number	Course Title	Semester Hours
ITS	3250	Securing Systems	03
ITS	3310	Designing for Security	03
ITS	3410	Scripting for Network Administrators	03
ITS	4210	Access Control Authentication and PKI	03
ITS	4250	Computer Forensics and Investigation	03
ITS	4910	Information Trends/Research and Design Project	03
MNP	2110	Microsoft Client	03
MNP	2150	Microsoft Server	03
NET	1010	Networking Essentials	03
NET	2310	Virtual Environment: Installation, Configuration, and Management	03
WRKIT	2010	Work Experience	03
WRKIT	4010	Work Experience	03

#### CHOOSE ONE NETWORKING GROUP: A, B, OR C (12 HOURS)

##### NETWORKING GROUP A

CSC	2010	Cisco CCENT Networking I	03
CSC	2020	Cisco CCENT Networking II	03
CSC	2110	Cisco CCNA Networking I	03
CSC	2120	Cisco CCNA Networking II	03

##### NETWORKING GROUP B

CSC	2010	Cisco CCENT Networking I	03
CSC	2020	Cisco CCENT Networking II	03
MNP	2210	Server Administration I	03
MNP	2220	Server Administration II	03

##### NETWORKING GROUP C

NET	2210	Routers and Routing	03
NET	2220	Advanced Routers and Routing	03
MNP	2210	Server Administration I	03
MNP	2220	Server Administration II	03

#### CONCENTRATION IN INFORMATION ASSURANCE/

##### CYBER DEFENSE – 15 HOURS

The cyber defense concentration builds upon and adds focus to the Bachelor of Science in Information Technology and Security degree. Cyber security analysts are critical members of an IT team, helping to protect the computer software, hardware and networks that link an organization's employees, suppliers, clients, customers and other users. We developed our concentration in cyber defense with significant input from experts and organizational leaders across multiple industries.

Graduates of the program can continue their education with a Master of Science Information Systems degree.

ITS	3150	Information Systems Threat Assessment	03
ITS	4050	Internet and Web Security	03
ITS	4350	Disaster Recovery	03
ITS	4450	Fraud Risk Assessment Tools and Investigation	03
ITS	4550	Fraud Prevention and Deterrence	03

#### CONCENTRATION IN NETWORK PROFESSIONAL – 16 HOURS

Note: Semester Hours Required for Graduation in the Concentration in Networking Professional are 121.

CSC	3310	CCNA Security	04
CSC	4210	CCNP Route	04
CSC	4310	CCNP Switch	04
CSC	4410	CCNP Tshoot	04

#### CONCENTRATION IN SERVER ADMINISTRATION – 15 HOURS

ITS	3150	Information Systems Threat Assessment	03
MNP	3110	Advanced Server Administration I: UNIX SCRIPTING	03
MNP	3120	Advanced Server Administration II: AZURE	03
MNP	4310	Advanced Server Administration III	03
MNP	4320	Advanced Server Administration IV	03

#### GENERAL EDUCATION REQUIREMENTS – 27 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1110	College Algebra I	03
MTH	2750	Statistical Methods	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
WRI	3010	Report Writing	03



## COLLEGE OF INFORMATION TECHNOLOGY

Course	Number	Course Title	Semester Hours
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>INFORMATION TECHNOLOGY AND SECURITY: INFORMATION ASSURANCE MAJOR (ONLINE) – 90 HOURS</b>			
CIS	1010	Introduction to Computer Applications	03
CIS	1110	Computer Operating Systems and Maintenance	03
CIS	2210	Database Management and Design	03
CIS	2610	Visual BASIC	03
CS	1110	Introduction to Programming	03
ITS	1110	Introduction to Information Systems	03
ITS	2110	Introduction to Network Security	03
ITS	2210	VPN Firewall	03
ITS	2310	Linux I	03
ITS	3050	Security Policies and Auditing/Risk	03
ITS	3150	Information Systems Threat Assessment	03
ITS	3210	Legal and Ethical Issues in Information Technology	03
ITS	3250	Securing Systems	03
ITS	3310	Designing for Security	03
ITS	3410	Scripting for Network Administrators	03
ITS	4050	Internet and Web Security	03
ITS	4150	Firewall Concepts	03
ITS	4210	Access Control Authentication and PKI	03
ITS	4250	Computer Forensics and Investigation	03
ITS	4350	Disaster Recovery	03
ITS	4450	Fraud Risk Assessment Tools and Investigation	03
ITS	4550	Fraud Prevention and Deterrence	03
ITS	4910	Information Trends/Research and Design Project	03
MNP	2010	Microsoft Windows Configuration	03
MTH	1410	Introduction to Discrete Mathematics	03
NET	1010	Networking Essentials	03
NET	2110	Wireless Networking	03
NET	2210	Routers and Routing	03
PPM	3010	Project Management	03
WRKIT	2010	Work Experience I	03
WRKIT	4010	Work Experience II	03
<b>GENERAL EDUCATION REQUIREMENTS – 30 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
MTH	1110	College Algebra I	03
MTH	1120	College Algebra II	03
MTH	2750	Statistical Methods	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communications	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>



# COLLEGE OF SOCIAL SCIENCE

## Undergraduate Programs

Deans: Carol Dowsett, Ed. D.  
Chris Schram, Ph.D.

### Criminal Justice

**Concentration in Criminal Justice Studies** ..... 70

Associate of Applied Science

Bachelor of Science

**Concentration in Law Enforcement (Police Academy)** ..... 70–71

Associate of Applied Science

Bachelor of Science

**General Studies** ..... 71–72

Bachelor of General Studies

**Human Services** ..... 72

Bachelor of Science

**Psychology** ..... 72–73

Bachelor of Science





## CRIMINAL JUSTICE CRIMINAL JUSTICE STUDIES

Those who work within the criminal justice system help maintain social order by preventing and reducing crime. Usually, people who work in this area are driven by a desire to help others and make the world a safer place. The field is broad and multidisciplinary; a degree in criminal justice provides the foundation for careers in law enforcement, corrections or the courts.

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>CRIMINAL JUSTICE MAJOR – 33 HOURS</b>			
CRJ	1010	Introduction to Criminal Justice	03
CRJ	1060	Introduction to Corrections	03
CRJ	1210	Correctional Facilities	03
CRJ	1410	Criminology	03
CRJ	1510	Legal Issues in Corrections	03
CRJ	2410	Juvenile Justice Concepts	03
CRJ	2510	Ethical Issues in Criminal Justice	03
CRJ	2610	Security Management	03
CRJ	2810	Criminal Justice Work Experience I	03
PSY	3110	Abnormal Psychology	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
CRJ	1710	Defensive Tactics	03
CRJ	1810	Community Corrections	03
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1050	Quantitative Reasoning I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>CONCENTRATION IN CRIMINAL JUSTICE STUDIES – 12 HOURS</b>			
The criminal justice studies concentration builds upon and adds focus to the criminal justice degree. Criminal justice professionals are critical members of law enforcement, corrections, and the court system. We developed our concentration in criminal justice with significant input from experts and organizational leaders across a variety of criminal justice settings.			
CRJ	1310	Diversity in Criminal Justice	03
CRJ	2110	Interpersonal Communication and Conflict Management	03
CRJ	2210	Interviewing, Investigations, and Report Writing	03
CRJ	2310	Principles of Policing I	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>CRIMINAL JUSTICE MAJOR – 78 HOURS</b>			
CRJ	1010	Introduction to Criminal Justice	03
CRJ	1060	Introduction to Corrections	03
CRJ	1210	Correctional Facilities	03
CRJ	1410	Criminology	03
CRJ	1510	Legal Issues in Corrections	03
CRJ	2320	Principles of Policing II	03
CRJ	2410	Juvenile Justice Concepts	03
CRJ	2510	Ethical Issues in Criminal Justice	03
CRJ	2610	Security Management	03
CRJ	2810	Criminal Justice Work Experience I	03
CRJ	3110	Drugs, Crime, and Society	03
CRJ	3210	Criminal Law	03
CRJ	3310	Cybercrime Investigations	03
CRJ	3410	Introduction to Forensic Science	03
CRJ	3510	Evidence Collection and Procedures	03
CRJ	3610	Organized Crime and Youth Gangs	03
CRJ	3710	Criminal Courts	03
CRJ	4210	Evidence-Based Practices	03
CRJ	4310	Terrorism and Homeland Security	03
CRJ	4410	Organizational Leadership in Criminal Justice	03

Course	Number	Course Title	Semester Hours
CRJ	4810	Criminal Justice Work Experience II	03
PSY	3110	Abnormal Psychology	03
PSY	4010	Social Psychology	03
SOC	3010	Social Problems	03

#### SELECT ONE COURSE FROM THE FOLLOWING:

HUS	2010	Substance Abuse	03
PSY	3510	Adolescent Psychology	03
SPN	1010	Spanish I	03

#### SELECT ONE COURSE FROM THE FOLLOWING:

CRJ	1710	Defensive Tactics	03
CRJ	1810	Community Corrections	03

#### GENERAL EDUCATION REQUIREMENTS – 30 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03
SCI		Science Elective	03
SOC	2010	Sociology	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
WRI	1150	Workplace Communication	03

#### SELECT ONE COURSE FROM THE FOLLOWING:

PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

#### CONCENTRATION IN CRIMINAL JUSTICE STUDIES – 12 HOURS

The criminal justice studies concentration builds upon and adds focus to the criminal justice degree. Criminal justice professionals are critical members of law enforcement, corrections, and the court system. We developed our concentration in criminal justice with significant input from experts and organizational leaders across a variety of criminal justice settings.

CRJ	1310	Diversity in Criminal Justice	03
CRJ	2110	Interpersonal Communication and Conflict Management	03
CRJ	2210	Interviewing, Investigations, and Report Writing	03
CRJ	2310	Principles of Policing I	03

#### SEMESTER HOURS REQUIRED FOR GRADUATION

**120**

## CRIMINAL JUSTICE LAW ENFORCEMENT (POLICE ACADEMY)

Law enforcement officers are entrusted with protecting lives and property. Their duties vary depending on whether they work at local, state or federal agencies and can range from general law enforcement and crime prevention to specialized work in drug enforcement, national security investigations, or enforcing fish and wildlife laws. While these careers may be stressful, physically challenging and mentally demanding, the opportunity to save lives and serve the greater good can be satisfying and personally rewarding.

### Associate of Applied Science

Course	Number	Course Title	Semester Hours
<b>LAW ENFORCEMENT (POLICE ACADEMY) MAJOR – 33 HOURS</b>			
CRJ	1010	Introduction to Criminal Justice	03
CRJ	1060	Introduction to Corrections	03
CRJ	1210	Correctional Facilities	03
CRJ	1410	Criminology	03
CRJ	1510	Legal Issues in Corrections	03
CRJ	1710	Defensive Tactics	03
CRJ	2410	Juvenile Justice Concepts	03
CRJ	2510	Ethical Issues in Criminal Justice	03
CRJ	2610	Security Management	03
CRJ	2810	Criminal Justice Work Experience I	03
PSY	3110	Abnormal Psychology	03



Course	Number	Course Title	Semester Hours
<b>GENERAL EDUCATION REQUIREMENTS – 15 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1050	Quantitative Reasoning I	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

#### CONCENTRATION IN LAW ENFORCEMENT (POLICE ACADEMY)

##### MAJOR – 12 HOURS

We partner with several organizations which offer a certified Law Enforcement Academy to provide students with an option to graduate with a degree in criminal justice along with the skills, tools, methods, and credentials to pursue a career in law enforcement. Students who successfully complete our criminal justice major along with the Law Enforcement Academy curriculum and program will receive certification as a police officer in the State of Michigan pursuant to the Michigan Commission on Law Enforcement Standards (MCOLES). A student will take most of his/her academic courses during the first year or two before applying for the Law Enforcement Academy. Students must complete a medical, vision, and hearing screening; pass the MCOLES Reading and Writing Test; pass the MCOLES Fitness Test; complete the application materials; and successfully complete the admission process to be admitted into the Academy. Students will receive 12-semester credits upon successful completion of the Academy. Students must be admitted into the Academy to remain in this program.

#### LAW ENFORCEMENT (POLICE ACADEMY) MAJOR/MCOLES

##### CURRICULUM – 12 HOURS

**SEMESTER HOURS REQUIRED FOR GRADUATION** 60

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>LAW ENFORCEMENT (POLICE ACADEMY) MAJOR – 78 HOURS</b>			
CRJ	1010	Introduction to Criminal Justice	03
CRJ	1060	Introduction to Corrections	03
CRJ	1210	Correctional Facilities	03
CRJ	1410	Criminology	03
CRJ	1510	Legal Issues in Corrections	03
CRJ	1710	Defensive Tactics	03
CRJ	2320	Principles of Policing II	03
CRJ	2410	Juvenile Justice Concepts	03
CRJ	2510	Ethical Issues in Criminal Justice	03
CRJ	2610	Security Management	03
CRJ	2810	Criminal Justice Work Experience I	03
CRJ	3110	Drugs, Crime, and Society	03
CRJ	3210	Criminal Law	03
CRJ	3310	Cybercrime Investigations	03
CRJ	3410	Introduction to Forensic Science	03
CRJ	3510	Evidence Collection and Procedures	03
CRJ	3610	Organized Crime and Youth Gangs	03
CRJ	3710	Criminal Courts	03
CRJ	4210	Evidence-Based Practices	03
CRJ	4310	Terrorism and Homeland Security	03
CRJ	4410	Organizational Leadership in Criminal Justice	03
CRJ	4810	Criminal Justice Work Experience II	03
PSY	3110	Abnormal Psychology	03
SOC	3010	Social Problems	03
SOC	4010	Social Psychology	03

#### SELECT ONE COURSE FROM THE FOLLOWING:

HUS	2010	Substance Abuse	03
PSY	3510	Adolescent Psychology	03
SPN	1010	Spanish I	03

#### GENERAL EDUCATION REQUIREMENTS – 30 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
MTH	1050	Quantitative Reasoning I	03
MTH	1060	Quantitative Reasoning II	03
SCI		Science Elective	03
SOC	2010	Sociology	03
SOC	3210	Cultural Diversity	03

Course	Number	Course Title	Semester Hours
SPK	2010	Oral Communication	03
WRI	1150	Workplace Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

#### CONCENTRATION IN LAW ENFORCEMENT

##### (POLICE ACADEMY) – 12 HOURS

We partner with several organizations which offer a certified Law Enforcement Academy to provide students with an option to graduate with a degree in criminal justice along with the skills, tools, methods, and credentials to pursue a career in law enforcement. Students who successfully complete our criminal justice major along with the Law Enforcement Academy curriculum and program will receive certification as a police officer in the State of Michigan pursuant to the Michigan Commission on Law Enforcement Standards (MCOLES). A student will take most of his/her academic courses during the first year or two before applying for the Law Enforcement Academy. Students must complete a medical, vision, and hearing screening; pass the MCOLES Reading and Writing Test; pass the MCOLES Fitness Test; complete the application materials; and successfully complete the admission process to be admitted into the Academy. Students will receive 12-semester credits upon successful completion of the Academy. Students must be admitted into the Academy to remain in this program.

#### LAW ENFORCEMENT (POLICE ACADEMY) MAJOR/MCOLES

##### CURRICULUM – 12 HOURS

**SEMESTER HOURS REQUIRED FOR GRADUATION** 120

## GENERAL STUDIES

A bachelor degree in general studies provides opportunities to develop valuable, lifelong skills in oral and written communication, critical thinking, problem solving, evaluation, analysis, and synthesis. The program offers a curriculum to establish a core of knowledge, which can lead to many different careers or lay the groundwork for further studies and specialization.

### Bachelor of General Studies

**ELECTIVE CREDIT HOURS** 27  
**GENERAL STUDIES MAJOR HOURS** 60

#### OPTION I

Major Only: A minimum of 45 semester credit hours or a maximum of 60 must be taken in a discipline to qualify for a major. To ensure such a distinction, particularly for courses taken within the same degree program, the 60 semester credit hours must differ from any other major by at least 45 semester credit hours of distinct coursework.

For example, in addition to 15 semester credit hours in Information Systems, 45 semester credit hours in English may be used to satisfy the major's semester credit hour requirement.

NOTE: A minimum of nine semester credit hours in either Option I or II in the General Studies major/minor must be completed at the 300 and 400 levels.

#### OPTION II

Major and Minor: A minimum of 30 of the 60 semester credit hours must be taken in a distinct discipline to qualify for a major. To ensure such a distinction, particularly for courses taken within the same degree program, the 30 semester credit hours must differ from any other major by at least 21 semester credit hours of distinct coursework. The remaining 30 semester credit hours should be used to create a minor that supports and complements the major. A minimum of 15 semester credit hours in the minor must differ from any other discipline.

For example, 21 semester credit hours in Marketing and nine semester credit hours in Psychology may be used to satisfy the 30-credit-hour requirement for the major, while a minimum of 15 semester credit hours in Mathematics could be used to construct a minor. The remaining 15 semester credit hours required for the minor could be taken in History or other relevant area to supplement the disciplinary knowledge established in the minor or major.



## COLLEGE OF SOCIAL SCIENCE

NOTE: A minimum of nine semester credit hours in either Option I or II in the General Studies major/minor must be completed at the 300 and 400 levels.

Course	Number	Course Title	Semester Hours
<b>GENERAL EDUCATION REQUIREMENTS – 30 HOURS</b>			
ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
MTH	1050	Quantitative Reasoning I	03
MTH	1110	College Algebra I	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
MTH	1060	Quantitative Reasoning II	03
MTH	1120	College Algebra II	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	1010	Human Relations	03
PSY	1110	General Psychology	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
SCI	2150	Integrated Physics	03
SCI	3210	Principles of Astronomy	03
SCI	4510	Environmental Science	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
ENG	2050	Mass Media and Society	03
ENG	2310	Language and Culture	03
ENG	2410	Creative Writing	03
LIT	2050	Introduction to Literature:	
		World Masterpieces and Critical Approaches	03
WRI	1150	Workplace Communication	03
WRI	3010	Report Writing	03
<b>DEGREE CAPSTONE REQUIREMENT – 3 HOURS</b>			
COL	4910	General Studies Capstone Portfolio	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>120</b>

## HUMAN SERVICES

For those who want to help improve people's lives, human services can be a very rewarding field in which to work. The work of human services professionals centers around helping people cope with their everyday lives and develop the skills needed to empower themselves. It may involve personal or family problems, or it may relate to a disability, disease, or other problems, such as substance abuse or inadequate housing. Human Services workers have the opportunity to serve diverse populations in a variety of non-profit, private, and public sectors.

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>HUMAN SERVICES MAJOR – 90 HOURS</b>			
HUS	1010	Introduction to Human Services	03
HUS	1210	Family Dynamics	03
HUS	1410	Abuse and Neglect in the Family	03
HUS	1510	Ethics and Issues in Human Services	03
HUS	2010	Substance Abuse	03
HUS	2110	Assessment, Recording, and Reporting	03
HUS	2210	Case Management I	03
HUS	2350	Trauma Informed Care in Crisis Intervention	03
HUS	2610	Theory of Group Dynamics for Human Services	03
HUS	2710	Human Services Internship I	03
HUS	3010	Research Methods in Human Services	03
HUS	3510	Child Welfare Services	03
HUS	3610	Application and Practice of Group Dynamics for Human Services	03
HUS	4110	Institutional Treatment and Alternative Settings in Human Services	03
HUS	4210	Human Services Administration	03
HUS	4310	The DSM System and Mental Health	03
HUS	4710	Human Services Internship II	03
PSY	2010	Cognitive Behavioral Therapy	03

Course	Number	Course Title	Semester Hours
PSY	2110	Psychology of Death and Dying	03
PSY	2210	Developmental Psychology	03
PSY	2410	Theories of Counseling	03
PSY	3110	Abnormal Psychology	03
PSY	3210	Psychology of Disability	03
PSY	3350	Human Sexuality	03
PSY	4010	Social Psychology	03
PSY	4050	Psychopharmacology	03
PSY	4110	Clinical Methods in Mental Health	03
SOC	2010	Sociology	03

### SELECT SIX CREDITS FROM ONE GROUPING:

#### HUS GROUP

HUS	2920	Family Support Strategies	03
HUS	4120	Case Management II – Working with Diverse Populations	03

#### NPMG GROUP

NPMG	3010	Grant Writing	03
NPMG	3310	Fund Development	03

#### PSY GROUP

PSY	3410	Child Psychology	03
PSY	3510	Adolescent Psychology	03
PSY	4150	Gerontology	03

### GENERAL EDUCATION REQUIREMENTS – 30 HOURS

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
MTH	1050	Quantitative Reasoning I	03
MTH	2750	Statistical Methods	03
SCI	4510	Environmental Science	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
WRI	1150	Workplace Communication	03

### SELECT ONE COURSE FROM THE FOLLOWING:

PSY	1010	Human Relations	03
PSY	1110	General Psychology	03

### SEMESTER HOURS REQUIRED FOR GRADUATION

**120**

This program is accredited by the Council for Standards in Human Service Education (CSHSE), 3337 Duke Street, Alexandria, VA 22314 / 571-257-3959 / Web address: [www.cshse.org](http://www.cshse.org)



## PSYCHOLOGY

Psychology is the study of mental processes and behavior. The psychology program will help prepare students for a variety of professions and careers or to enter graduate study in psychology or related disciplines and fields. The program seeks to assist students with the development and application of foundational skills, information, and knowledge. The undergraduate psychology program at Baker College adapts from, and conforms to, the American Psychological Association's Guidelines for the Undergraduate Psychology Major: Version 2.0, established by the APA's Board of Educational Affairs Task Force.

### Bachelor of Science

Course	Number	Course Title	Semester Hours
<b>PSYCHOLOGY MAJOR – 90 HOURS</b>			
<b>ELECTIVE CREDIT HOURS – 30</b>			
<b>REQUIRED COURSES HOURS – 42</b>			
PSY	2150	Psychology as a Science and Profession	03
PSY	2210	Developmental Psychology	03
PSY	2510	Cognitive Psychology	03
PSY	3110	Abnormal Psychology	03
PSY	3550	Personality Psychology	03



Course	Number	Course Title	Semester Hours
PSY	3660	Research Methods I	03
PSY	3670	Research Methods II	03
PSY	3810	Cross-Cultural Psychology	03
PSY	3910	Biological Psychology	03
PSY	4010	Social Psychology	03
PSY	4310	Physiological Psychology	03
PSY	4450	Motivation and Emotion	03
PSY	4610	Learning and Memory	03
PSY	4910	Senior Seminar	03

**SELECT SIX COURSES FROM THE FOLLOWING:**

PSY	1010	Human Relations	03
PSY	2010	Cognitive Behavioral Therapy	03
PSY	2110	Psychology of Death and Dying	03
PSY	2250	Psychology of Drug Use and Addiction	03
PSY	2310	Industrial/Organizational Psychology	03
PSY	2410	Theories of Counseling	03
PSY	3010	Forensic Psychology	03
PSY	3050	Health Psychology	03
PSY	3150	Community Psychology	03
PSY	3210	Psychology of Disability	03
PSY	3350	Human Sexuality	03
PSY	3410	Child Psychology	03
PSY	3510	Adolescent Psychology	03
PSY	3610	Psychology of Gender	03
PSY	4050	Psychopharmacology	03
PSY	4110	Clinical Methods in Mental Health	03
PSY	4150	Gerontology	03
WRK	3010	Work Experience	03

**GENERAL EDUCATION REQUIREMENTS – 30 HOURS**

ENG	1010	College Composition I	03
ENG	1020	College Composition II	03
HUM	4010	Philosophy of Ethics	03
MTH	2750	Statistical Methods	03
PSY	1110	General Psychology	03
SCI		Science Elective	03
SOC	3210	Cultural Diversity	03
SPK	2010	Oral Communication	03
SPK	2110	Group Dynamics	03

**SELECT ONE COURSE FROM THE FOLLOWING:**

MTH	1050	Quantitative Reasoning I	03
MTH	1110	College Algebra	03

**SEMESTER HOURS REQUIRED FOR GRADUATION** **120**

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**GRADUATE PROGRAMS IN**



Business  
78–83



Education  
79



Health Science  
82–83



Information Systems  
81



Psychology  
81

**5**

**GROWING INDUSTRIES**





## **GRADUATE ACADEMIC INFORMATION**

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## **GRADUATE PROGRAM COURSE LISTS**

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## **CENTER FOR GRADUATE STUDIES**

**The Center for Graduate Studies offers graduate programs that provide advanced preparation in the fields of business, education, information systems, nursing, occupational therapy, and psychology. These graduate programs are designed to build upon a well-balanced undergraduate education. Students are expected to develop a thorough understanding of their chosen academic disciplines. Graduate education provides students with the opportunity to increase their knowledge, broaden their understanding, and develop specialized skills beyond their baccalaureate degrees.**

The Center for Graduate Studies' administrative offices are located on the Flint campus. These administrative offices are the headquarters for the graduate programs offered throughout Michigan and online. Leadership and administration of graduate programs are provided by the President of the Center for Graduate Studies and the graduate faculty council.

The graduate faculty council, comprised of graduate faculty, is the primary channel of communication between the graduate faculty and the president. The faculty council is responsible for establishing the academic policies and standards regarding graduate programs, assessment of graduate programs, and other academic issues relating to graduate education. Additionally, the faculty council is the main forum for discussion of research and scholarly activities for graduate-level students and faculty.

The graduate programs are accredited through the Higher Learning Commission of the North Central Association of Colleges and Schools. The MBA program also has international accreditation through the International Accreditation Council for Business Education (IACBE). The Occupational Therapy program has additional accreditation through the Accreditation Council for Occupational Therapy Education (ACOTE). The Information Systems major in the Master of Science in Information Systems program has been approved for affiliation as a Professional Science Master's (PSM) degree by the PSM National Office.



## GRADUATE PROGRAMS

### Master's Degrees

#### Master of Business Administration

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#### Master of Science in Educational Effectiveness

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#### Master of Science in I/O Psychology

Industrial/Organizational Psychology.....	81
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#### Master of Science in Information Systems

Cloud Security Risk Management.....	78–79
Information Systems.....	81

#### Master of Science in Nursing

Nursing.....	82
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#### Master of Occupational Therapy

Occupational Therapy.....	82–83
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### Doctoral Degree

#### Doctorate of Business Administration

Business Administration.....	83
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## ACCOUNTING

The Accounting major is a program of advanced accounting classes for managers who have undergraduate degrees in accounting and want to take additional classes in subjects that are critical in their work situations. The Accounting major is designed to provide a balanced, broad education and an in-depth understanding of the theoretical and practical concepts of accounting. More admission requirements apply to this major in addition to the MBA admission requirements.

### Master of Business Administration

Course	Number	Course Title	Semester Hours
<b>ACCOUNTING MAJOR – 15 HOURS</b>			
BUS	6300	Accounting for the Contemporary Manager	03
BUS	6310	Taxation	03
BUS	6340	Non-Profit Accounting	03
BUS	6350	Global Accounting	03
BUS	6420	Financial Accounting	03
<b>BUSINESS REQUIREMENTS – 26 HOURS</b>			
BUS	5720	Human Resource Management	03
BUS	6150	Human Behavior Management of Organizations	03
BUS	6400	The Financial Environment	03
BUS	6500	The Economic Environment	03
BUS	6600	The Marketing Environment	03
BUS	6780	Research and Statistics for Managers	03
BUS	6900	Strategy in a Global Environment	03
CGS	5010	Graduate Seminar	02
MIS	5110	Management Information Systems	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>41</b>

The Center for Graduate Studies has received specialized accreditation for its business programs through the International Accreditation Council for Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas, USA. The business program in the following degree is accredited by the IACBE: Master of Business Administration



## BUSINESS INTELLIGENCE

This program is designed for managers in departments other than information systems who wish to learn more about information resources. In addition to the core MBA courses of the program, students are exposed to very specific information management issues that confront managers every day. The Business Intelligence major provides executives and managers with an understanding of emerging technologies, management support systems, managerial and leadership techniques, and information resources in ways that will make the managers' organizations more effective and efficient.

### Master of Business Administration

Course	Number	Course Title	Semester Hours
<b>BUSINESS INTELLIGENCE MAJOR – 12 HOURS</b>			
MIS	5110	Management Information Systems	03
MIS	5260	Business Intelligence	03
MIS	5310	Database Design and Management	03
MIS	6240	Data Warehousing	03
<b>BUSINESS REQUIREMENTS – 26 HOURS</b>			
BUS	5720	Human Resource Management	03
BUS	6150	Human Behavior Management of Organizations	03
BUS	6300	Accounting for the Contemporary Manager	03
BUS	6400	The Financial Environment	03
BUS	6500	The Economic Environment	03
BUS	6600	The Marketing Environment	03

Course	Number	Course Title	Semester Hours
BUS	6780	Research and Statistics for Managers	03
BUS	6900	Strategy in a Global Environment	03
CGS	5010	Graduate Seminar	02
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>

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## CLOUD SECURITY RISK MANAGEMENT

Employers urgently need senior level cloud security risk management leaders to address and mitigate mounting Governance Risk and Compliance (GRC) challenges. This program helps individuals to get familiar with the National Institute of Standards and Technology (NIST) Risk Management Framework (RMF) and master hands-on cloud security risk management skills. In addition, the program enables students to combine their NIST RMF competencies with core management competencies. Upon graduation, students will be uniquely qualified for advancement to executive level cybersecurity positions.

### Master of Business Administration

Course	Number	Course Title	Semester Hours
<b>CLOUD SECURITY RISK MANAGEMENT MAJOR - 15 CREDITS</b>			
BUS	6200	Cloud Security Risk Management Policy and Methods Review	03
BUS	6210	Cloud Security Risk Management Methodology	03
BUS	6220	Cloud Security Risk Management Practicum I	03
BUS	6230	Cloud Security Risk Management Practicum II	03
BUS	6240	Cloud Security Vulnerability Management	03
<b>BUSINESS REQUIREMENTS - 26 CREDITS</b>			
CGS	5010	Graduate Seminar	02
BUS	5720	Human Resource Management	03
BUS	6150	Human Behavior Management of Organizations	03
BUS	6300	Accounting for the Contemporary Manager	03
BUS	6400	The Financial Environment	03
BUS	6500	The Economic Environment	03
BUS	6600	The Marketing Environment	03
BUS	6780	Research and Statistics for Managers	03
BUS	6900	Strategy in a Global Environment	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>41</b>

## CLOUD SECURITY RISK MANAGEMENT

Employers urgently need senior level cloud security risk management leaders to address and mitigate mounting Governance Risk and Compliance (GRC) challenges. This program helps individuals to get familiar with the National Institute of Standards and Technology (NIST) Risk Management Framework (RMF) and master cloud security risk management hands-on skills. In addition, the program enables students to combine their NIST RMF competencies with business and information systems management competencies. Upon graduation, students will be uniquely qualified for advancement to executive level cybersecurity positions.



## Master of Science in Information Systems

Course	Number	Course Title	Semester Hours
<b>CLOUD SECURITY RISK MANAGEMENT MAJOR - 15 CREDITS</b>			
BUS	6200	Cloud Security Risk Management Policy and Methods Review	03
BUS	6210	Cloud Security Risk Management Methodology	03
BUS	6220	Cloud Security Risk Management Practicum I	03
BUS	6230	Cloud Security Risk Management Practicum II	03
BUS	6240	Cloud Security Vulnerability Management	03
<b>MANAGEMENT INFORMATION SYSTEMS REQUIREMENTS - 11 CREDITS</b>			
CGS	5010	Graduate Seminar	02
MIS	5210	Information Systems Project Management	03
MIS	6710	Information Systems Integration Project I	03
MIS	6720	Information Systems Integration Project II	03
<b>BUSINESS REQUIREMENTS - 12 CREDITS</b>			
BUS	6150	Human Behavior Management of Organizations	03
BUS	6300	Accounting for the Contemporary Manager	03
BUS	6400	The Financial Environment	03
BUS	6780	Research and Statistics for Managers	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>

## EDUCATIONAL LEADERSHIP: K-12

This graduate program emphasizes improving student learning in an era of accountability. Course content includes management, organizational development, budgeting, ethics, diversity and faculty/staff evaluation. Data-driven models will guide the integration of curriculum, instruction and assessment. Candidates will locate research and best practices information, interpret and use data for decision making, and apply continuous improvement processes to the classroom as well as administration. The goal of the program is to develop leaders who strive to create coherent systems in which all components are working toward a common goal of improved student learning. Technological tools for managing information and improving efficiency will also be included.

It should be noted that there are two different concentrations within the program. One concentration is for those candidates interested in applying their learning to K-12 education. The other concentration is for those candidates interested in higher education. Each concentration has three classes that are unique to the concentration. The other 10 courses are common to both concentrations.

## Master of Science in Educational Effectiveness

Course	Number	Course Title	Semester Hours
<b>EDUCATIONAL LEADERSHIP: K-12 MAJOR - 38 HOURS</b>			
CGS	5010	Graduate Seminar	02
EDU	5110	Data Analysis for Educators	03
EDU	5210	Assessment and Evaluation for Educators I	03
EDU	5220	Research and Decision Making in Education	03
EDU	5310	Learning Theory and Instruction for Educational Improvement	03
EDU	6010	Leadership for Accountability	03
EDU	6040	Organizations, Innovation, and Accountability	03
EDU	6070	Faculty Evaluation and Growth to Improve Student Learning	03
EDU	6110	Fiscal, Facilities, and School Management - Financing for Education	03
EDU	6140	Public Policy, Values, and Legal and Ethical Issues in Accountability	03
EDU	6170	School and Community Relations - Diversity and Communities	03
EDU	6210	Technology for Improving Education	03
EDU	6910	Educational Effectiveness Capstone Experience	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>

## EDUCATIONAL LEADERSHIP: HIGHER EDUCATION

This graduate program emphasizes improving student learning in an era of accountability. Course content includes management, organizational development, budgeting, ethics, diversity and faculty/staff evaluation. Data-driven models will guide the integration of curriculum, instruction and assessment. Candidates will locate research and best practices information, interpret and use data for decision making, and apply continuous improvement processes to the classroom as well as administration. The goal of the program is to develop leaders who strive to create coherent systems in which all components are working toward a common goal of improved student learning. Technological tools for managing information and improving efficiency will also be included.

It should be noted that there are two different concentrations within the program. One concentration is for those candidates interested in applying their learning to K-12 education. The other concentration is for those candidates interested in higher education. Each concentration has three classes that are unique to the concentration. The other 10 courses are common to both concentrations.

## Master of Science in Educational Effectiveness

Course	Number	Course Title	Semester Hours
<b>EDUCATIONAL LEADERSHIP: HIGHER EDUCATION MAJOR - 38 HOURS</b>			
CGS	5010	Graduate Seminar	02
EDU	5110	Data Analysis for Educators	03
EDU	5210	Assessment and Evaluation for Educators I	03
EDU	5220	Research and Decision Making in Education	03
EDU	5310	Learning Theory and Instruction for Educational Improvement	03
EDU	6010	Leadership for Accountability	03
EDU	6040	Organizations, Innovation, and Accountability	03
EDU	6070	Faculty Evaluation and Growth to Improve Student Learning	03
EDU	6210	Technology for Improving Education	03
EDU	6410	Instructional Design for Higher Education	03
EDU	6440	Course Facilitation in Higher Education	03
EDU	6470	Effective Distance Learning Programs	03
EDU	6910	Educational Effectiveness Capstone Experience	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>

## FINANCE

This program provides the opportunity for in-depth study of the most modern financial concepts, theories, analytical methods and problem-solving techniques — emphasizing the practical uses of these financial management principles in businesses, nonprofit organizations and government. Students will actively participate in presentations, discussions and activities highlighting practical business applications, current event applications, problem solving, analyses of case studies and other financial applications.

## Master of Business Administration

Course	Number	Course Title	Semester Hours
<b>FINANCE MAJOR - 12 HOURS</b>			
BUS	6400	The Financial Environment	03
BUS	6410	Money and Banking	03
BUS	6430	International Business Finance	03
BUS	6450	Public Finance	03
<b>BUSINESS REQUIREMENTS - 26 HOURS</b>			
BUS	5720	Human Resource Management	03
BUS	6150	Human Behavior Management of Organizations	03
BUS	6300	Accounting for the Contemporary Manager	03
BUS	6500	The Economic Environment	03



## CENTER FOR GRADUATE STUDIES

Course	Number	Course Title	Semester Hours
BUS	6600	The Marketing Environment	03
BUS	6780	Research and Statistics for Managers	03
BUS	6900	Strategy in a Global Environment	03
CGS	5010	Graduate Seminar	02
MIS	5110	Management Information Systems	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>

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### GENERAL BUSINESS

This program seeks to combine the best of conventional academic training with the best of applied learning. The significant difference between this degree option and the others mentioned in this catalog is that there is no need to declare a major. Students electing this "general" approach to their degrees complete the core MBA courses, and then select three other courses offered at the graduate school. This allows for the most flexibility and is designed for students who do not have specific needs for majors to select from a variety of interesting classes.

#### Master of Business Administration

Course	Number	Course Title	Semester Hours
<b>GENERAL BUSINESS MAJOR – 9 HOURS</b>			
ELECT	6010	Elective	03
ELECT	6020	Elective	03
ELECT	6030	Elective	03
<b>BUSINESS REQUIREMENTS – 29 HOURS</b>			
BUS	5720	Human Resource Management	03
BUS	6150	Human Behavior Management of Organizations	03
BUS	6300	Accounting for the Contemporary Manager	03
BUS	6400	The Financial Environment	03
BUS	6500	The Economic Environment	03
BUS	6600	The Marketing Environment	03
BUS	6780	Research and Statistics for Managers	03
BUS	6900	Strategy in a Global Environment	03
CGS	5010	Graduate Seminar	02
MIS	5110	Management Information Systems	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>

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### HEALTHCARE MANAGEMENT

Health care management has become a vital function in today's economy. With the emphasis on cost, service and quality of care, health care managers are faced with a significant number of issues and problems. This program seeks to combine the best of academic training with the best of field-based learning and an emphasis on the allied health field. Most typical business disciplines are represented in the curriculum, because successful managers must be conversant with different aspects of running organizations or companies.

#### Master of Business Administration

Course	Number	Course Title	Semester Hours
<b>HEALTHCARE MANAGEMENT MAJOR – 15 HOURS</b>			
BUS	7500	Healthcare Programs and Policies	03
BUS	7520	Healthcare Administration	03
BUS	7530	Quality Management in Healthcare Organizations	03
BUS	7580	Health Law and Ethics	03
BUS	7590	Healthcare Finance	03
<b>BUSINESS REQUIREMENTS – 23 HOURS</b>			
BUS	5720	Human Resource Management	03
BUS	6150	Human Behavior Management of Organizations	03
BUS	6300	Accounting for the Contemporary Manager	03
BUS	6500	The Economic Environment	03
BUS	6600	The Marketing Environment	03
BUS	6780	Research and Statistics for Managers	03
BUS	6900	Strategy in a Global Environment	03
CGS	5010	Graduate Seminar	02
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>

The Center for Graduate Studies has received specialized accreditation for its business programs through the International Accreditation Council for Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas, USA. The business program in the following degree is accredited by the IACBE: Master of Business Administration



### HUMAN RESOURCE MANAGEMENT

This program is designed for people who work within the personnel or human resource areas. In addition to the core business courses, students are exposed to very specific issues that confront human resource managers every day. Students can expect to be exposed to practitioners in human resources, to the constantly changing roles of various human resource personnel within the field, and to a variety of topics and issues highly relevant to the changing workplace. This program takes on an even greater significance as the world looks to well-trained human resource specialists to provide the kind of services needed by the workforce.

#### Master of Business Administration

Course	Number	Course Title	Semester Hours
<b>HUMAN RESOURCE MANAGEMENT MAJOR – 12 HOURS</b>			
BUS	5710	Compensation and Benefits	03
BUS	5720	Human Resource Management	03
BUS	5730	Labor Relations and Conflict Resolution	03
BUS	5760	Employee Staffing and Development	03
<b>BUSINESS REQUIREMENTS – 26 HOURS</b>			
BUS	6150	Human Behavior Management of Organizations	03
BUS	6300	Accounting for the Contemporary Manager	03
BUS	6400	The Financial Environment	03
BUS	6500	The Economic Environment	03
BUS	6600	The Marketing Environment	03
BUS	6780	Research and Statistics for Managers	03
BUS	6900	Strategy in a Global Environment	03
CGS	5010	Graduate Seminar	02
MIS	5110	Management Information Systems	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>

The Center for Graduate Studies has received specialized accreditation for its business programs through the International Accreditation Council for Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas, USA. The business program in the following degree is accredited by the IACBE: Master of Business Administration





## INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY

A master's degree in Industrial/Organizational Psychology identifies and provides students with a critical path for professional development, credibility in the field, and clear and defined professional identities in their areas of specialization. This program addresses the study of behavior and performance in the workplace and other organizational settings, through the application of the theories, methods and principles of psychology to individuals, teams and organizations. This specialization is not intended to prepare you for licensure as a clinical/ counseling psychologist, but rather to be an I/O psychology practitioner who applies psychological principles for organizational success.

### Master of Science in I/O Psychology

Course	Number	Course Title	Semester Hours
<b>INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY MAJOR – 38 HOURS</b>			
CGS	5010	Graduate Seminar	02
PSY	5210	Industrial/Organizational Psychology	03
PSY	5410	Statistics and Data Analysis	03
PSY	5610	Research Methods	03
PSY	5710	Psychology of Leadership	03
PSY	5810	Psychology of Performance and Motivation	03
PSY	6110	Tests, Measurements, and Assessments in the Workplace	03
PSY	6310	Psychology of Training and Learning	03
PSY	6410	Psychology of Personnel Management and Human Resources	03
PSY	6510	Individual and Group Factors in the Workplace	03
PSY	6810	Organization Development, Change, and Consultation	03
PSY	6990	Integrative Capstone in Psychology	03
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>			
PSY	6610	Evidence Based Coaching	03
PSY	6710	Industrial/Organizational Psychology Residency	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>

## INFORMATION SYSTEMS

This program is designed for managers in departments other than information systems who wish to learn more about information resources. In addition to the core MBA courses of the program, students are exposed to very specific information management issues that confront managers every day.

### Master of Business Administration

Course	Number	Course Title	Semester Hours
<b>INFORMATION SYSTEMS MAJOR – 12 HOURS</b>			
MIS	5110	Management Information Systems	03
MIS	5210	Information Systems Project Management	03
MIS	5310	Database Design and Management	03
MIS	6110	System Analysis and Design	03
<b>BUSINESS REQUIREMENTS – 26 HOURS</b>			
BUS	5720	Human Resource Management	03
BUS	6150	Human Behavior Management of Organizations	03
BUS	6300	Accounting for the Contemporary Manager	03
BUS	6400	The Financial Environment	03
BUS	6500	The Economic Environment	03
BUS	6600	The Marketing Environment	03
BUS	6780	Research and Statistics for Managers	03
BUS	6900	Strategy in a Global Environment	03
CGS	5010	Graduate Seminar	02
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>

The Center for Graduate Studies has received specialized accreditation for its business programs through the International Accreditation Council for Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas, USA. The business program in the following degree is accredited by the IACBE: Master of Business Administration



## INFORMATION SYSTEMS

This program is designed for information systems professionals who are responsible for managing the development, acquisition, implementation and operation of information systems in a variety of organizational settings. The program emphasizes information systems theory and its application to business opportunities and challenges. Additionally, the program addresses mission-critical issues, such as strategic planning, risk management, financial considerations, project management and quality assurance.

### Master of Science in Information Systems

Course	Number	Course Title	Semester Hours
<b>INFORMATION SYSTEMS MAJOR – 9 HOURS</b>			
MIS	5310	Database Design and Management	03
MIS	6010	Information Security	03
MIS	6210	Systems Architectures	03
<b>MANAGEMENT INFORMATION SYSTEMS REQUIREMENTS – 17 HOURS</b>			
CGS	5010	Graduate Seminar	02
MIS	5110	Management Information Systems	03
MIS	5210	Information Systems Project Management	03
MIS	6110	System Analysis and Design	03
MIS	6710	Information Systems Integration Project I	03
MIS	6720	Information Systems Integration Project II	03
<b>BUSINESS REQUIREMENTS – 12 HOURS</b>			
BUS	6150	Human Behavior Management of Organizations	03
BUS	6300	Accounting for the Contemporary Manager	03
BUS	6400	The Financial total Environment	03
BUS	6780	Research and Statistics for Managers	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>



## LEADERSHIP STUDIES

This program is designed for individuals who aspire to upper-level administrative and management positions. In addition to the core MBA courses, students complete major-specific coursework designed to help develop leaders with vision and problem-solving skills.

### Master of Business Administration

Course	Number	Course Title	Semester Hours
<b>LEADERSHIP STUDIES MAJOR – 12 HOURS</b>			
BUS	6150	Human Behavior Management of Organizations	03
BUS	6850	Dynamics of Leadership	03
BUS	6880	Profiles in Leadership	03
BUS	6890	Team Leadership and Group Dynamics	03
<b>BUSINESS REQUIREMENTS – 26 HOURS</b>			
BUS	5720	Human Resource Management	03
BUS	6300	Accounting for the Contemporary Manager	03
BUS	6400	The Financial Environment	03
BUS	6500	The Economic Environment	03
BUS	6600	The Marketing Environment	03
BUS	6780	Research and Statistics for Managers	03
BUS	6900	Strategy in a Global Environment	03
CGS	5010	Graduate Seminar	02
MIS	5110	Management Information Systems	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>

The Center for Graduate Studies has received specialized accreditation for its business programs through the International Accreditation Council for Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas, USA. The business program in the following degree is accredited by the IACBE: Master of Business Administration



## NURSING

The Baker College Master of Science in Nursing (MSN) program strives to prepare nurses for leadership positions in administration (administrative track) or education (education track). Both cognates build upon the knowledge and skills nurses bring into the program, which is designed to meet the highest levels of nursing practice with an emphasis on the potential of each student. The MSN degree program provides experienced professional nurses with the education and competencies needed to function in a rapidly changing health care environment.

### Master of Science in Nursing

Program Status – Open Enrollment

Program Requirements

- Unencumbered license as a registered nurse (RN) in the United States (US), District of Columbia or US territories, or an unencumbered license as a RN in Canada.
- Graduate of an ACEN or CCNE accredited BSN program
- Graduate School Requirements

Course	Number	Course Title	Semester Hours
<b>NURSING MAJOR – 15 HOURS</b>			
NUR	5110	Leadership and Advanced Practice Nursing Roles	03
NUR	5210	Organization, Delivery, and Policy in Healthcare	03
NUR	5310	Nursing Theory and Research	03
NUR	5410	Informatics and Healthcare Technologies	03
NUR	5510	Quality Improvement, Outcomes Management, and Population Health	03

Course	Number	Course Title	Semester Hours
<b>ADDITIONAL REQUIRED COURSE – 2 HOURS</b>			
CGS	5010	Graduate Seminar	02
<b>NURSING ADMINISTRATIVE COGNATE – 16 HOURS</b>			
BUS	5720	Human Resource Management	03
BUS	7530	Quality Management in Healthcare Organizations	03
BUS	7590	Healthcare Finance	03
NUR	6410	Foundations of Nursing Administration	03
NUR	6860	Practicum in Nursing Administration	04
<b>SEMESTER HOURS REQUIRED FOR GRADUATION WITH MSN</b>			<b>33</b>
<b>NURSING EDUCATION COGNATE – 18 HOURS</b>			
NUR	6110	Advanced Health Assessment and Pharmacology	03
NUR	6150	Advanced Pathophysiology	03
NUR	6210	Instructional Strategies in Nursing Education	03
NUR	6240	Curriculum Development for Nursing Education	03
NUR	6270	Evaluation Strategies for Nursing Education	03
NUR	6810	Practicum in Nursing Education	03
<b>SEMESTER HOURS REQUIRED FOR GRADUATION WITH MSN</b>			<b>35</b>
<b>NURSING EDUCATION COGNATE</b>			<b>35</b>

The newly developed MSN Program is based on standards established by the American Association of Colleges of Nursing (AACN), Commission on Collegiate Nursing Education (CCNE). The MSN program has been reviewed with accreditation status pending.

## OCCUPATIONAL THERAPY

The delivery of the Occupational Therapy program at the graduate level revolves around instructors facilitating learning through problem-based case management. Students in the MSOT program will be required to utilize theory, logic, clinical reasoning and pragmatic skills in an interactive learning environment. It is expected that students will participate in discussions and debates and develop treatment choices based on sound research and theoretical assumptions. The Master of Occupational Therapy curriculum emphasizes mastery of the skills required for entry-level practice. The curriculum is designed so that graduates can review, understand, conduct and interpret research activities. Evidence-based practice initiatives make it essential that practitioners' research skills are well developed.

Program Status: Limited Enrollment

### Master of Science in Occupational Therapy

Course	Number	Course Title	Semester Hours
<b>OCCUPATIONAL THERAPY MAJOR – 38 HOURS</b>			
OCC	5010	Program Planning/Intervention (Childhood)	04
OCC	5050	Assessment and Treatment Interventions for Mental Health Practice	04
OCC	5110	Occupational Therapy Research I	02
OCC	5210	Upper Extremity Rehabilitation I	04
OCC	5220	Upper Extremity Rehabilitation II	02
OCC	5410	Leadership and Management Roles in Occupational Therapy Practice	02
OCC	5610	Level I Fieldwork (Adult)	01
OCC	6120	Occupational Therapy Research II	03
OCC	6310	Case Based Clinical Reasoning	04
OCC	6610	Level I Fieldwork (Psychological and Social Factors)	02
OCC	6710	Level II Fieldwork	05
OCC	6720	Level III Fieldwork	05
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>38</b>



Allen Park, Baker College of Owosso, and Baker College of Muskegon are fully accredited by the Accreditation Council for Occupational Therapy Education (ACOTE), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449; (301) 652-2682; Web address: [www.acoteonline.org](http://www.acoteonline.org). Students must have successfully completed all Level I and Level II clinical experiences and have graduated from an accredited occupational therapy program to be eligible to sit for the national Occupational Therapist Registered Examination.

The combined Pre-Occupational Therapy program and the Master of Occupational Therapy program are currently recognized as fully accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) and can be reached by mail at: c/o Accreditation Department, American Occupational Therapy Association (AOTA), 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449; (301) 652-AOTA; [www.acoteonline.org](http://www.acoteonline.org). Students must have successfully completed all Level I and Level II, clinical experiences, and have graduated from an accredited occupational therapy program to be eligible to sit for the national Occupational Therapist Registered Examination.



## BUSINESS ADMINISTRATION

Structured as a 60-semester credit program, the DBA curriculum blends taught interdisciplinary content and research seminars with assessed scholarly and professional development activities, including attendance at one professional residency. The program culminates in a research-based dissertation focused on a real problem facing today's business leaders and managers. Over the course of the program, students develop the capacity to work independently and more in depth, moving from prescribed content in the first year of the program, to supervised scholarly activities in the second year, to independent research focused on their areas of interest in the third year. Students may choose from six areas of specialization or design their own specialized fields of study.

### Doctorate of Business Administration

Course	Number	Course Title	Semester Hours
<b>DOCTORAL CORE REQUIREMENTS – 27 HOURS</b>			
BUS	8000	The Scholar Practitioner	03
BUS	8010	Doctoral Writing and Literature Review	03
BUS	8100	Leading 21st Century Organizations	03
BUS	8110	Managing in a World-Wide Context	03
BUS	8120	Knowledge Management and Information Systems	03
BUS	8130	Quality Improvement and Organizational Change	03
BUS	8140	Corporate and Personal Ethics	03
BUS	8400	Introduction to Research Methods and Designs	03
BUS	8410	Defining the Dissertation Research Problem and Research Question	03
<b>DOCTORAL SPECIALTY REQUIREMENTS – 9 HOURS</b>			
BUS	8600	Doctoral Specialization Seminar I	03
BUS	8700	Doctoral Specialization Seminar II	03
BUS	8800	Doctoral Specialization Seminar III	03
<b>PROFESSIONAL RESIDENCY REQUIREMENTS – 2 HOURS</b>			
BUS	8200	Professional Residency	02
<b>COMPREHENSIVE AND QUALIFYING REQUIREMENTS – 6 HOURS</b>			
BUS	8920	Comprehensive Essay	03
BUS	8930	Qualifying Paper	03
<b>DISSERTATION REQUIREMENTS – 16 HOURS</b>			
BUS	8940	Dissertation Proposal I	02
BUS	8950	Dissertation Proposal II	02
BUS	8960	Dissertation I	02
BUS	8970	Dissertation II	02
BUS	8980	Dissertation III	02
BUS	8990	Dissertation IV	02
BUS	9000	Dissertation V	02
BUS	9010	Dissertation VI	02
<b>SEMESTER HOURS REQUIRED FOR GRADUATION</b>			<b>60</b>



## NOTES

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## NOTES

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## CAMPUSES

- 1 Baker College of Allen Park
- 2 Baker College of Auburn Hills
- 3 Baker College of Cadillac 🏠
- 4 Baker College of Clinton Township
- 5 Baker College of Flint 🏠
- 6 Baker College of Jackson
- 7 Baker College of Muskegon 🏠
- 8 The Culinary Institute of Michigan (CIM)
- 9 Baker College of Owosso 🏠
- 10 The Auto/Diesel Institute of Michigan (ADI)
- 11 Baker College of Port Huron
- 12 The Culinary Institute of Michigan (CIM) 🏠

## DIVISIONAL OFFICES

- 13 Baker Online (Flint)
- 14 Center for Graduate Studies (Flint)

🏠 Housing Available

