

# 2015 - 2016 BAKER COLLEGE CATALOG

— UNDERGRADUATE / GRADUATE —



UNDERGRADUATE  
SCHOOL



ONLINE  
SCHOOL



GRADUATE  
SCHOOL



AUTO/DIESEL INSTITUTE  
OF MICHIGAN



CULINARY INSTITUTE  
OF MICHIGAN



## ACCREDITATION

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

*Specialized program accreditations are noted with specific programs  
and can be found at [baker.edu](http://baker.edu)*



## WE'RE IN IT FOR YOU

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



## EXPLORE

Visit us at [baker.edu](http://baker.edu)

# TABLE OF CONTENTS



## BAKER COLLEGE

Baker College Calendar.....	3
Baker College Mission and Purposes.....	4
Baker College's 11 Guiding Principles .....	5
Baker College History .....	6
12 Reasons to Choose Baker College.....	7

## CAMPUS PROFILES

Allen Park, MI.....	8-9
Auburn Hills, MI.....	10-11
Cadillac, MI.....	12-13
Clinton Township, MI.....	14-15
Flint, MI.....	16-17
Jackson, MI .....	18-19
Muskegon, MI .....	20-21
Owosso, MI.....	22-23
Port Huron, MI .....	24-25
Online .....	26
Center for Graduate Studies .....	27

## UNDERGRADUATE ACADEMIC INFORMATION

Undergraduate Program Index.....	28
Academic Welcome Experience .....	30
General Education Program Requirements .....	30-33
Philosophy of Developmental Education .....	34-35
Baker College Smart Degree Option .....	36-37

## UNDERGRADUATE PROGRAMS

Business Administration .....	38-55
Computer Information Systems .....	56-69
School of Education .....	70-87
Engineering/Technology .....	88-109
Health Sciences .....	110-131
School of Nursing .....	132-137
Human Services.....	138-151
Online .....	152-179

## GRADUATE ACADEMICS INFORMATION

Baker Center for Graduate Studies.....	184-189
--	---------

## GRADUATE PROGRAMS

Master Degrees .....	190-195
Doctoral Degree .....	196

## STUDENT HANDBOOK

Student Handbook Index .....	199
New Students .....	200-205
All Students—New and Current.....	206-215
Current Students .....	216-242

This catalog 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 catalog is accurate as of the date of publication: June 1, 2015. Updated program information can be located on the Baker College website at [www.baker.edu](http://www.baker.edu).



# ACADEMIC CALENDAR

## 2015 FALL

### FALL 2015 ON-GROUND CLASSES

Orientation and Registration (New Student) .....	Varies by campus
Classes Start .....	September 28
Thanksgiving Break .....	November 23-27
Winter Quarter Registration (Returning Students) and Graduation Registration.....	Varies by campus
Quarter Ends.....	December 12

### FALL 2015 ONLINE CLASSES

First Session .....	Sept. 24 - Nov. 4
Second Session.....	Nov. 5 - Dec. 16

## 2016 WINTER

### WINTER 2016 ON-GROUND CLASSES

Orientation and Registration (New Student) .....	Varies by campus
Classes Start .....	January 11
Spring Quarter Registration (Returning Students) and Graduation Registration.....	Varies by campus
Quarter Ends .....	March 19

### WINTER 2016 ONLINE CLASSES

First Session .....	Jan. 7 - Feb. 17
Second Session.....	Feb. 18 - March 30

## 2016 SPRING

### SPRING 2016 ON-GROUND CLASSES

Orientation and Registration (New Student) .....	Varies by campus
Good Friday - College Closed .....	March 25
Classes Start .....	April 4
Memorial Day - College Closed .....	May 30
Summer Quarter Registration (Returning Students) and Graduation Registration.....	Varies by campus
Fall Quarter Registration (Returning Students) and Graduation Registration.....	Varies by campus
Quarter Ends.....	June 11
Graduation - Center for Graduate Studies/Online .....	June 3*
Graduation - Cadillac, Jackson, Muskegon, and Owosso .....	June 10*
Graduation - Allen Park, Auburn Hills, Clinton Township, and Port Huron.....	June 11*
Graduation - Cass City and Flint .....	June 12*

### SPRING 2016 ONLINE CLASSES

First Session .....	March 31 - May 11
Second Session.....	May 12 - June 22

## 2016 SUMMER

### SUMMER 2016 ON-GROUND CLASSES

Orientation and Registration (New Student) .....	Varies by campus
Classes Start .....	June 27
Independence Day Observation - College Closed .....	July 4-5
Quarter Ends.....	August 27

### SUMMER 2016 ONLINE CLASSES

First Session .....	June 23 - Aug. 3
Second Session.....	Aug. 4 - Sept. 14

## 2016 FALL

### FALL 2016 ON-GROUND CLASSES

Orientation and Registration (New Student) .....	Varies by campus
Classes Start .....	September 26
Thanksgiving Break .....	November 21-25
Winter Quarter Registration (Returning Students) and Graduation Registration.....	Varies by campus
Quarter Ends.....	December 10

### FALL 2016 ONLINE CLASSES

First Session .....	Sept. 22 - Nov. 2
Second Session.....	Nov. 3 - Dec. 14

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

# BAKER COLLEGE

# MISSION & PURPOSES



The mission of Baker College is to provide quality higher education and training which enable graduates to be successful throughout challenging and rewarding careers.

**To this end, the following purposes have been established:**

- Prepare students for competency in business, computers, education, engineering/technology, health, and human services careers in today's global economy.
- Provide general education which expands students' horizons, develops strong communication skills, and encourages critical thinking.
- Provide students with practical experience and training in a chosen field of study.
- Encourage social and classroom-related activities which promote both personal and professional growth.
- Enhance students' success through continuous assessment and improvement of teaching, learning, and institutional effectiveness.
- Assist graduates throughout their careers in securing employment and improving career opportunities.
- Encourage graduates to continue their education and to lead effectively through service in a world without boundaries.
- Offer graduate programs which provide students with advanced study, research, scholarly activity, and opportunities for professional development.





## BAKER COLLEGE SYSTEM TRUSTEES

**Richard Batchelor**  
Retired, Business Executive

**Michael Blancard**  
Retired, High School Administrator

**F. James Cummins - Board Chair**  
Chairman, Baker College System

**Dr. Bart Daig**  
President/CEO  
Baker College System

**Susan Ebeling**  
Community Volunteer

**Edward Kurtz - Vice Chair**  
Retired, College Administrator

**William Anthony Mason**  
Retired, Automotive Executive

**Jon Peterson - Board Chair**  
Retired, External Affairs Director, AT&T

**Sandy Petykiewicz**  
Retired, Publisher

**B.C. Thompson**  
Retired, Businessman

**Alan Wise**  
Retired, Information  
Technology Executive

# THE HISTORY OF BAKER COLLEGE

Committed to higher education for over 100 years.

The beginning of Baker College can be traced back to the turn of the 20th century, when Woodbridge Ferris—who later became Governor of Michigan and then a U.S. Senator—founded Muskegon College. Just two decades later, Eldon E. Baker—an educator who built a highly successful business college in Winfield, Kansas—moved to Flint and founded Baker Business University. In 1965, these two institutions came together, and throughout the years, the schools continued to thrive and expand. Today, Baker College is the largest not-for-profit, independent college in Michigan with over 28,000 students at nine on-ground campuses, multiple extension sites, and online.



# 12 REASONS TO CHOOSE BAKER

Choosing the right college can be a difficult decision and no two colleges are completely the same. Here is a list of some of the things that make Baker College unique. Take a look and consider whether or not Baker is the best choice for your education.



## AMERICA'S LEADING CAREER COLLEGE

Since 1911 we've been preparing people for employment or career advancement.



## NOT-FOR-PROFIT

Baker College is Michigan's largest independent college. Being a not-for-profit institution allows us to invest in our students rather than focus on shareholders, helping us maintain affordable tuition.



## EMPLOYER ADVISORY BOARDS

We meet with employers to ensure our career programs are designed to meet the demands of the real world.



## SMALL CLASS SIZES

At Baker you get all the personalized attention you need.



## 97% GRADUATE EMPLOYMENT RATE

Baker College delivers one of the highest available graduate employment rates in the country, giving you the best chance for a career.



## LIFETIME EMPLOYMENT ASSISTANCE

All Baker graduates receive Lifetime Employment Assistance—free and forever.



## OVER 150 CAREER PROGRAMS

Earn a certificate, associate, bachelor, master, or doctoral degree. Baker offers over 150 career programs in high-demand fields.



## CONVENIENT CLASS TIMES

Choose from day, evening, and online classes.



## REAL-WORLD PROGRAMS

Baker programs prepare you for growing career fields, and are taught by working professionals that bring real-world perspective to the classrooms.



## AFFORDABLE

Federal, State, and Baker College financial aid is available for those who qualify, to help make the investment in your future an affordable one.



## QUALITY EDUCATION

Baker is accredited by the Higher Learning Commission, which assures you that credits earned are recognized and meet high standards of educational quality.



## EMPLOYER CONNECTION

Baker's Career Services department gives you an advantage by connecting you with a network of local employees.



## BAKER COLLEGE OF ALLEN PARK "DOWNRIVER CAMPUS"

Baker College of Allen Park is the fastest-growing Baker College campus, equipped with modern classrooms and facilities, the latest multi-media capabilities, campus-wide WiFi, and other modern resources.

Classrooms are appointed with flexible furnishings, interactive white boards, and the most up-to-date equipment available. The Baker Cafe and expanded Academic Resource Center are welcoming spaces. Health Sciences 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 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 hallmark of the Allen Park campus. Students have ready access to modern resources and instructors who are industry leaders.







## PLACES TO EXPLORE

- Comerica Park
- Detroit Institute of Arts
- Detroit Symphony Orchestra
- Detroit Zoo
- Eastern Market
- Fairlane Green Shopping Center
- Greektown
- Greenfield Village
- Henry Ford Museum

## EVENTS

- Allen Park Arts & Crafts Fair
- Detroit Lions Football
- Detroit Red Wings Hockey
- Detroit Tigers Baseball
- Downriver Cruise

### ALLEN PARK BOARD OF REGENTS

**Kristine Barann**  
President, Baker College Allen Park

**F. James Cummins**  
Chairman, Baker College System

**Dr. Bart Daig**  
President/CEO, Baker College System

**Thomas Fisher**  
Retired President,  
Rivers Edge Community Credit Union

**Edward Kurtz**  
Vice Chairman, Baker College System

**William Anthony Mason**  
Retired, Automotive Executive

**Scott McKelvey**  
Executive Vice President, Monroe Bank  
& Trust Wealth Management Group

**R. Douglas Pretty - Board Chair**  
Retired Superintendent

**Dr. Donna Schmidt**  
Retired Superintendent

### ALLEN PARK OFFICERS

**Kristine Barann** - President

**Dr. Karen Bratus** - Vice President, Academics

**Steve Peterson** - Vice President, Admissions

**Yvonne Langley** - Vice President, Career Services

**Tiffany J. Davis** - Treasurer



ALLEN PARK



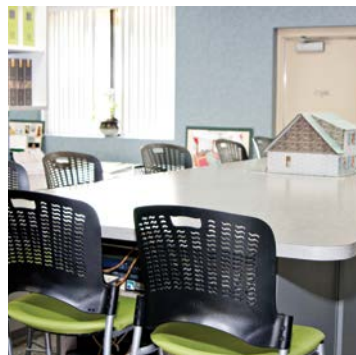
## BAKER COLLEGE OF AUBURN HILLS

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 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.







## PLACES TO EXPLORE

- Bald Mountain Recreation Area
- DTE Energy Music Theatre
- Pontiac Lake Recreation Area
- The Palace of Auburn Hills

## EVENTS

- Auburn Hills Relay for Life
- Brookside Way 1/2 Marathon
- Numerous concerts and sporting events
- Woodward Dream Cruise

### AUBURN HILLS BOARD OF REGENTS

**Robert Badgley** - Attorney  
**Jacqueline Buchanan**  
 President/CEO of Genisys Credit Union  
**F. James Cummins**  
 Chairman, Baker College System  
**Dr. Bart Daig**  
 President/CEO, Baker College System  
**Susan Ebeling - Board Chair**  
 Community Volunteer  
**Dr. Pete Karsten**  
 President, Baker College of Auburn Hills

**Thomas Kimble**  
 Retired, Automotive Executive  
**Edward Kurtz**  
 Vice Chairman, Baker College System  
**Kathleen Schwartz** - Community Volunteer  
**Chad Grant**  
 President/CEO, McLaren - Oakland  
**J.R. Taylor, Ph.D.** - President/Director,  
 Graystone Management Group  
**Alan Wise** - Logicalis

### AUBURN HILLS OFFICERS

**Dr. Pete Karsten** - President  
**Dr. Susan Cathcart** - Vice President, Academics

**James G. Martin** - Vice President, Finance  
**Tiffany J. Davis** - Treasurer



AUBURN HILLS



## BAKER COLLEGE OF CADILLAC

Baker College of Cadillac reflects all 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 an outside patio, Student Center, several computer labs, extensive parking, a fitness center, and learning center where free tutoring services are available to all students.

Because we're Baker College—Michigan's largest independent career college—you'll have all the advantages: small class sizes, highly qualified instructors, and the latest equipment, technologies, and resources in your 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.



### HOUSING AVAILABLE

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.







## PLACES TO EXPLORE

- 12 area golf courses
- Carl T. Johnson Hunting & Fishing Center
- Keith McKellop Walkway
- Lakes Cadillac, Mitchell, and Missaukee
- Mitchell State Park
- Wexford County Historical Museum

## EVENTS

- Cadillac Art Fair
- Cadillac Lakefront Summer Jazz Series
- Cadillac Symphony Orchestra Concerts
- Footlitters Theatre Guild
- Gopherwood Concert Series
- Lake City's Greatest Fourth in the North
- Manton Harvest Festival
- Mesick Mushroom Festival
- North American Snowmobile Festival

### CADILLAC BOARD OF REGENTS

**Mike Blanchard - Board Chair**  
Retired, High School Administrator  
**Nancy Bowman, CPA**  
Partner, Bowman and Rogers, PC  
**F. James Cummins**  
Chairman, Baker College System  
**Dr. Bart Daig**  
President/CEO, Baker College System  
**Linda Kimbel**  
Executive Director, Cadillac Area Community Foundation

**Lee Krantz**  
CEO, AAR Mobility Systems  
**Edward Kurtz**  
Vice Chairman, Baker College System  
**John McLeod**  
Retired, President/CEO, Mercy Hospital of Cadillac  
**David Mutch, DO**  
Family Practice of Cadillac  
**Kelly Smith**  
President, Baker College of Cadillac  
**Maynard Thompson**  
Retired, College Administrator

### CADILLAC OFFICERS

**Kelly R. Smith - President**

**Tiffany J. Davis - Treasurer**



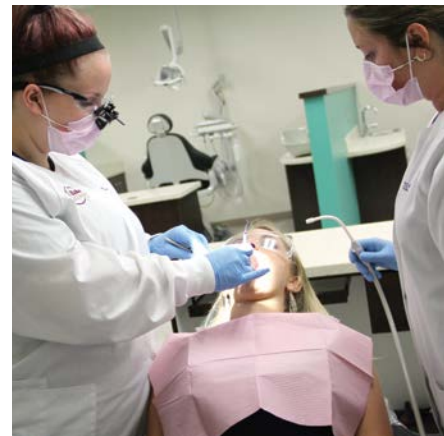


## BAKER COLLEGE OF CLINTON TOWNSHIP

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 Autobody and EMS buildings.

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 materials in the Baker College System Libraries and our classrooms are equipped with multi-media 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.







## PLACES TO EXPLORE

- Comerica Park
- Detroit Zoo
- Ford Field
- Fox & Fisher Theaters
- Greenfield Village
- Henry Ford Museum
- IMAX Theatre
- Joe Louis Arena
- Macomb Symphony Orchestra
- Metro Beach

## EVENTS

- Christmas Aglow
- Classic Cars Cruise Night
- Detroit Autorama
- International Freedom Festival
- North American International Auto Show
- Selfridge Air Show

### CLINTON TOWNSHIP BOARD OF REGENTS

#### **F. James Cummins**

Chairman, Baker College System

#### **Dr. Bart Daig**

President/CEO, Baker College System

#### **Thomas G. Davies**

Senior Vice President, Raymond James & Associates

#### **Terri Giampetroni**

Legal Strategies, PC

#### **Dr. Patricia Kaufman**

President, Baker College of Clinton Township

#### **Edward Kurtz**

Vice Chairman, Baker College System

#### **William Anthony Mason**

Retired, Automotive Executive

#### **Jon Peterson - Board Chair**

External Affairs Director, AT&T

#### **Roy Rose**

President, Anderson, Eckstein, & Westrick, Inc.

#### **Thomas P. Schwanitz, CPA**

Doeren Mayhew

#### **Mary E. Spaulding**

Director, H.W. Vick Funeral Home

### CLINTON TOWNSHIP OFFICERS

**Dr. Patricia Kaufman** - President

**Dr. Laura Treanor** - Vice President, Academics

**Annette M. Looser** - Vice President, Admissions

**Marsha Adamkiewicz** - Vice President, Finance

**Lisa M. Harvener** - Vice President, Student Services

**Tiffany J. Davis** - Treasurer



CLINTON TOWNSHIP



## BAKER COLLEGE OF FLINT

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 multi-media systems, a technology center, state-of-the-art labs, and more. Whether you live on campus or commute, you'll appreciate our extensive academic resource facilities, campus-wide WiFi, fitness center, bookstore, and café. The 40-acre campus features contemporary buildings creating an ambiance as close to today's business workplace as possible.

Strategically located in the southeast corner of Flint, just 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.



### FLINT BOARD OF REGENTS

**F. James Cummins**  
Chairman, Baker College System  
**Dr. Bart Daig**  
President/CEO, Baker College System  
**Dr. Robert Farrell Jr.**  
President/CEO, SVS Vision  
**Melany Gavulic**  
CEO, Hurley Medical Center, Inc.  
**Cheryl Gifford**  
Former Owner,  
A & S Supply Company, Inc.  
**Wen Hemingway**  
President, Baker College of Flint  
**Edward Kurtz**  
Vice Chairman, Baker College System  
**John Matonich**  
President/CEO, Rowe, Professional  
Services Company  
**Lawrence E. Moon**  
President, Lawrence E.  
Moon Funeral Home, Inc.  
**Joseph O. Serra**  
President, Serra Automotive  
**JoAnne Shaw - Board Chair**  
CEO, Coffee Beanery

### FLINT OFFICERS

**Wen Hemingway** - President  
**Dr. Candace Johnson**  
Vice President, Academics  
**Jodi Cuneaz**  
Vice President, Admissions  
**Janie Stewart**  
Vice President, Career  
and Corporate Services  
**Gerald W. McCarty II**  
Vice President, Student Services  
**Tiffany J. Davis** - Treasurer





## HOUSING AVAILABLE

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



## THE CENTER FOR TRANSPORTATION TECHNOLOGY

The Center for Transportation Technology is a division of Baker College of Flint. It is conveniently located approximately six miles from the main campus, in the city of Flint, at the junction of I-69 and Dort Highway. This division supports the Autobody Technician Certificate, a Bachelor Degree in Supply Chain Management, as well as Certificates in Truck Driving and Welding. The facility has been recently renovated and features up-to-date automotive labs, welding labs, classrooms, a computer lab, multi-media rooms, and a new truck terminal.



## CASS CITY EXTENSION

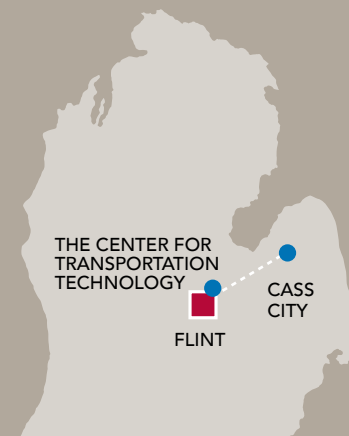
About 75 miles northeast of Flint, in the center of Michigan's thumb area, the friendly, rural community of Cass City is home to a Baker College extension site. The modern, one-story building near the center of town features its own academic resource facility, student center, and state-of-the-art multi-media classrooms including medical, welding, and computer labs.

## PLACES TO EXPLORE

- Art at the Market
- Crossroads Village
- Farmers Market
- Flint Cultural Center
- Flint Institute of Arts
- Flint Firebirds Hockey
- ForMar Nature Preserve and Arboretum
- Huckleberry Railroad
- Mt. Holly Ski and Snowboard Resort
- Porter's Orchard and Cider Mill
- Seven Lakes State Park
- Sloan Museum

## EVENTS

- Antique Car Show
- Back to the Bricks
- Bikes on the Bricks
- Flint Art Show
- Flint Symphony Orchestra Series
- Frankenmuth Bavarian Festival
- Michigan Renaissance Festival
- Music in the Parks
- Whiting Showcase Series
- World-renowned Crim Races





## BAKER COLLEGE OF JACKSON

Baker College of Jackson is in a quiet rural area, just outside of 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 and labs, specialized facilities that duplicate today's real-world workplaces, plus a bookstore and free campus-wide WiFi. The Jackson campus is introducing some important new additions which include our Academic Resource Center, a cutting edge engineering facility, and our business and technology center that feature the latest technology and equipment. Our 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.







#### JACKSON BOARD OF REGENTS

**Ryan Bailey**  
VP Trust and Estate Advisor, Comerica Bank  
**Jack Bunce - Board Chair**  
Retired, College Administrator  
**F. James Cummins**  
Chairman, Baker College System  
**Dr. Bart Daig**  
President/CEO, Baker College System  
**Molly Kaser**  
Executive Director, Center for Family Health

**Edward Kurtz**  
Vice Chairman, Baker College System  
**Sandy Petykiewicz**  
Retired, Publisher  
**Steve Sauter**  
General Manager,  
Michigan Automotive Compressors, Inc.  
**Dr. Steve Simpson**  
President, Baker College of Jackson  
**Barbara Smith**  
Owner, Printer Source Plus

#### JACKSON OFFICERS

**Dr. Steve Simpson** - President  
**Kevin Pnacek** - Vice President, Admissions

**Tiffany J. Davis** - Treasurer



## COLDWATER EXTENSION

About 50 miles southwest of Jackson, in the friendly community of Coldwater, is the Jackson extension site.

## PLACES TO EXPLORE

- Cascade Falls and Park
- Ella Sharp Museum
- Irish Hills
- Michigan International Speedway
- Michigan Theatre
- W.J. Hayes State Park

## EVENTS

- Cascade Civil War Muster
- Hot Air Jubilee Balloon Festival
- Jackson Symphony Orchestra
- Michigan Shakespeare Festival
- Mini Grand Prix
- Rose Festival
- Summerfest





## BAKER COLLEGE OF MUSKEGON

Just five minutes away from the sugar-sand beaches of Lake Michigan is Baker College of Muskegon—West Michigan’s premiere career college. It’s a campus designed for hands-on learning, with state-of-the-art classrooms and labs, specialized training facilities equipped with the latest technologies, including a newly completed Health Science Center as well as an expansive library and learning 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 residence hall choices both on-campus and off. Campus venues include The Quarterline Grill, the West End Cafe, the Library Learning Connection, student center, gymnasium, West End Fitness Center, and the BRIC (Baker Recreational and Information Center).



### HOUSING AVAILABLE

Baker College of Muskegon offers a variety of resident living options. Choose from several on-campus dorms or nearby apartment- and loft-style living.





## FREMONT EXTENSION

The Baker College of Muskegon Fremont Extension provides residents of Newaygo County the opportunity to begin and complete career training in select degree and certificate programs.



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 Degree in Culinary Arts or Baking and Pastry, students can earn an Associate or Bachelor 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 The Sweet Spot, the on-site pastry and coffee shop.

### MUSKEGON BOARD OF REGENTS

#### Lynnette Bloomberg

Owner, Noble Company

#### Mary Boyd

Vice President, Regional Network  
Development, Trinity Health

#### Lee Coggin

President, Baker College of Muskegon

#### F. James Cummins

Chairman, Baker College System

#### Dr. Bart Daig

President/CEO, Baker College System

#### Bruce Fox

Retired, President/CEO, Comerica Bank  
Muskegon Region

#### Edward Kurtz

Vice Chairman, Baker College System

#### Meriam Leeke

Owner, Old Channel Trail Golf Course

#### Gary Ostrom

Retired, Publisher

#### Jim Teets

President/CEO, ADAC Automotive

#### B.C. Thompson - Board Chair

Retired, Business Executive

### MUSKEGON OFFICERS

#### Lee Coggin, JD - President

#### Dr. DeAnna R. Burt-Johnson, Ph.D.

Vice President, Academics

#### Kathy L. Jacobson - Vice President, Admissions

#### Manifa S. Dennison - Vice President, Finance

#### Michael L. Helsen - Vice President, Student Services

#### Tiffany J. Davis - Treasurer

#### Susan J. Duplissis - Secretary

## PLACES TO EXPLORE

- Double JJ Resort
- Great Lakes Naval & Memorial Museum
- Lakeshore Museum Center
- Michigan's Adventure Amusement and Water Park
- Muskegon County Museum of African American History
- Muskegon Museum of Art
- Muskegon Winter Sports Complex
- Various State and County Parks

## EVENTS

- Lakeshore Art Festival
- Michigan Irish Music Festival
- Miss Michigan Scholarship Pageant
- Unity Christian Music Festival
- Winterfest
- Grand Haven Coast Guard Festival





## BAKER COLLEGE OF OWOSSO

Enter the Swiss-chalet-style buildings on the Baker College of Owosso campus, and you'll discover a high-quality learning environment, with modern classrooms and labs, 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 state-of-the-art classrooms and labs, a student center, fitness center, gymnasium, bookstore, and apartment-style residence halls.



### HOUSING AVAILABLE

On- or off-campus, when it comes to student housing, Baker College of Owosso has choices. Stay on-campus near classes, labs, and student activities, or enjoy contemporary apartment living at our Woodard Station lofts.







#### OWOSSO BOARD OF REGENTS

**Richard Batchelor - Board Chair**

Retired, Business Executive

**William Boyd**

Retired Senior Manager, Global Technical Training, DaimlerChrysler

**F. James Cummins**

Chairman, Baker College System

**Dr. Bart Daig**

President/CEO, Baker College System

**Margaret Gulick**

Retired, Healthcare Administrator

**Edward Kurtz**

Vice Chairman, Baker College System

**Brian L. Long**

President/CEO, Memorial Healthcare

**Aaron Maibe**

President, Baker College Owosso

**Paul Schluckebier**

Managing Director/Branch Manager, The Schluckebier Financial Group of Wells Fargo Advisors

**Matt Van Epps**

Attorney, Van Epps & Van Epps

**Tony Young**

Owner, Young Chevrolet Cadillac Dealership

#### OWOSSO OFFICERS

**Aaron Maibe - President**

**Dr. Carol L. Dowsett - Vice President, Academics**

**Michael F. Konopacke - Vice President, Admissions**

**Michael J. Moore - Vice President, Finance**

**Lisa A. Lynch - Vice President, Student Services**

**Tiffany J. Davis - Treasurer**



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.



## THE AUTO/DIESEL INSTITUTE OF MICHIGAN®

The Auto/Diesel Institute of Michigan (ADI), was conceived and built to elevate technical training to a college experience above and beyond anything previously available in the Midwest. Our newest facility boasts 43,000 square feet of real-world auto and diesel labs, as well as classroom and computer lab spaces. 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 mechanic of the future.

## PLACES TO EXPLORE

- Amos Gould House
- Artisans Market
- Biking and Walking Trails
- Comstock Cabin
- Curwood Castle Museum
- DeVries Nature Conservancy
- Durand Depot
- Farmer's Market
- Historical Village McCurdy Park
- Hoddy House
- Hopkins Lake
- James S. Miner River Walk
- NCG Cinemas
- Shiawassee Arts Council Gallery
- Shiawassee River
- Shopping in Owosso
- Thomas E. Dewey Boyhood Home

## EVENTS

- Cruise to the Castle
- Curwood Festival
- Performances by the Owosso Community Players
- Steam Railroad Institute
- Summer shows at the Mitchell Performing Arts Amphitheater



OWOSSO  
ADI



# BAKER COLLEGE OF PORT HURON

Baker College of Port Huron, conveniently located close to the Blue Water Bridge, has some of the most advanced classroom and hands-on learning environments found on any college campus in the state. It's a friendly, supportive atmosphere, with class sizes that are small and instructors who know you by name, computer labs, access to extensive library facilities, and a student center in which to study or relax.

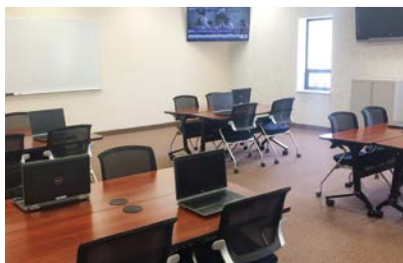
The campus is situated on 12-acres at the west side of town convenient to I-69 and I-94, and only five minutes from the Blue Water Bridge which connects Port Huron with Sarnia, Ontario. Our campus offers certificates, associate, and bachelor degrees in fields that lead directly to today's best career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



**HOUSING  
AVAILABLE  
SEPTEMBER 2015**

Baker College of Port Huron has built a new resident hall to house its Culinary Institute of Michigan students.





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. The CIM offers Baking and Pastry, Culinary Arts, and Food and Beverage Management programs. These programs combine personalized instruction with hands-on experience. The public is invited to sample the students' creations in the student-run restaurant, COURSES.

## PLACES TO EXPLORE

- Cutter Bramble Museum
- Fort Gratiot Lighthouse
- Huron Lightship Museum
- Knowlton Ice Museum
- Sightseeing on Huron Lady II
- Thomas Edison Museum
- Two International Blue Water Bridges
- U.S. Coast Guard Cutter

## EVENTS

- Art on the River
- Bayview Yacht Club Port Huron to Mackinac Sailboat Race
- BlueWater Fest
- Cruise Night Classic & Antique Car Parade
- Feast of St. Clair
- Festival of Trees
- Rotary International Parade
- St. Clair Art Fair
- Taste of Port Huron





## BAKER ONLINE

Baker College Online is the “virtual campus” of the Baker College System. With Baker Online, you can earn your degree without ever setting foot in a campus building. An Internet connection is all you need.

Baker Online is more than an exciting delivery method for higher education. It breaks down barriers that working people have struggled to overcome for years. It enables people to fit a college education into their busy schedules, instead of modifying their schedules for classes. With faculty members and students based all over the world, Baker Online students benefit from a truly world-class perspective.

Our online courses begin and end on specific dates and class work is assigned deadlines to keep you on track toward earning your degree. Our classrooms and our extensive library resources are open 24 hours a day, seven days a week, so you can do classwork day or night. Students are assigned to “virtual classrooms” facilitated by qualified online instructors, which is the common meeting area for faculty and students. Students conduct research, submit assignments, ask questions, and participate in discussions in the virtual classroom comparable to a traditional classroom setting.

Every online course we offer is based on a fully accredited core curriculum, so it’s easy to combine online and on-ground courses if that works best for you.



### BAKER ONLINE OFFICERS

Dr. Jill Langen - President

Chuck Gurden - Vice President, Admissions

Lynne Higham - Vice President, Finance

Tiffany J. Davis - Treasurer





# BAKER CENTER FOR GRADUATE STUDIES

The Baker Center for Graduate Studies offers the opportunity to increase one's knowledge, broaden 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 of the North Central Association of Colleges and Schools. The Center for Graduate Studies has received accreditation for the MBA program through the International Assembly for Collegiate Business Education (IACBE), located in Lenexa, Kansas, USA. The Occupational Therapy program also has additional accreditation through the Accreditation Council for Occupational Therapy Education (ACOTE).



## BAKER CENTER FOR GRADUATE STUDIES BOARD OF REGENTS

**Polly Bashore, Ph.D.**  
Project Manager GMPT,  
Engineering Consolidation

**F. James Cummins**  
Chairman, Baker College System

**Dr. Bart Daig**  
President/CEO, Baker College System

**Justin Draeger**  
President/CEO, NASFAA  
(National Association of Student  
Financial Aid Administrators)

**Paul Fuhs, Ph.D. - Board Chair**  
Retired Health Care Executive

**Regina Greenwood, DBA**  
Professor, H. Wayne Huizenga School of  
Business and Nova Southeastern University

**Douglas Howell**  
Executive, Kelly Services

**Ronald Justice**  
CEO, Davison State Bank

**Edward Kurtz**  
Vice Chairman, Baker College System

**Dr. Jill Langen**  
President, Baker College of Graduate Studies

**Cynthia Nalevanko**  
Editor, SAGE Publications

**Ira Rutherford**  
Retired, School Superintendent

## BAKER CENTER FOR GRADUATE STUDIES OFFICERS

**Dr. Jill Langen** - President

**Chuck Gurden** - Vice President, Admissions

**Lynne Higham** - Vice President, Finance

**Tiffany J. Davis** - Treasurer



**150+**  
CAREER  
PROGRAMS

IN

**7**  
GROWING  
INDUSTRIES



**BUSINESS ADMINISTRATION**  
PAGES 38-55



**COMPUTER INFORMATION SYSTEMS**  
PAGES 56-69



**SCHOOL OF EDUCATION**  
PAGES 70-87



**ENGINEERING/TECHNOLOGY**  
PAGES 88-109



**HEALTH SCIENCES**  
PAGES 110-131



**SCHOOL OF NURSING**  
PAGES 132-137



**HUMAN SERVICES**  
PAGES 138-151



# UNDERGRADUATE ACADEMIC INFORMATION

(PAGES 30-37)

---

## UNDERGRADUATE PROGRAM COURSE LISTS



**ON-GROUND**  
(PAGES 38-151)



**ONLINE**  
(PAGES 152-179)

# 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.

## 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 field 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 Mission Statement

General education provides students with an array of critical skills and knowledge essential to the college-educated person in any career path and builds a foundation for more specialized learning.

### General Educational 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

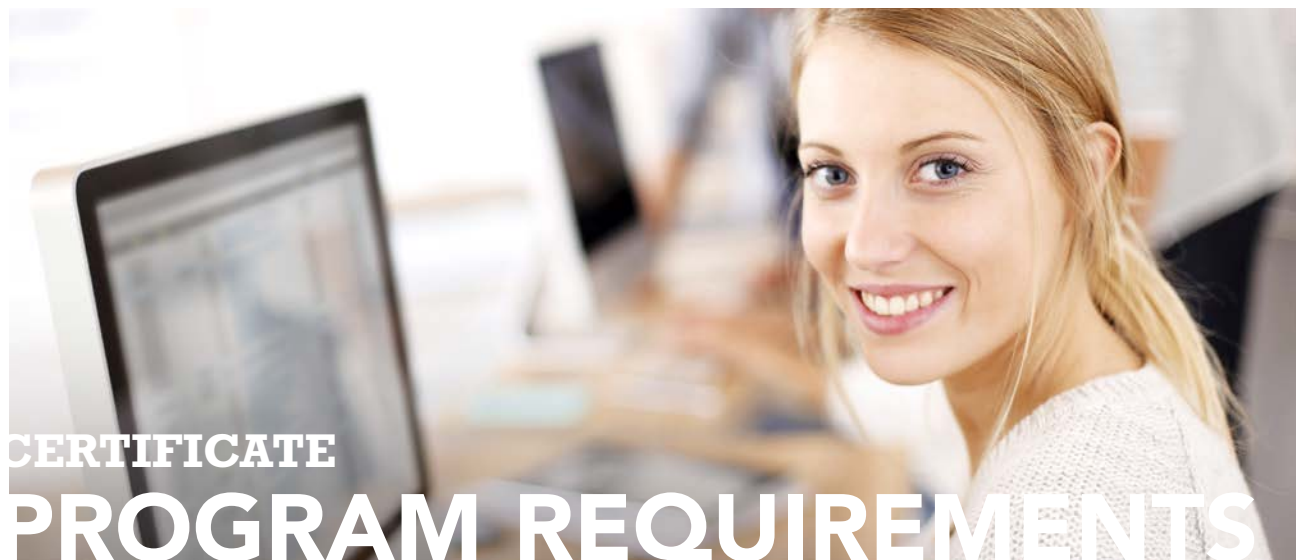
General education requirements must be met for all certificates of substantial length (68 or more quarter hours), as well as for associate and bachelor degree programs. Some degree programs may have general education requirements specific to the program that go beyond the basic requirements. Prerequisites 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 application by courses in the program major. All graduates must meet the general education outcome requirements established by each academic program.

# BAKER COLLEGE

## INSTITUTIONAL STUDENT LEARNING OUTCOMES AND THE GENERAL EDUCATION OUTCOMES:

- Career-ready knowledge and skills
- Attitudes and behaviors that promote success in the workplace and effective social interaction 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 are applicable to the field of study, the workplace, and other life situations
- Broad-based knowledge which includes an understanding of cultural, ethical, social, political, and global issues

### THE FOLLOWING COURSES ARE BAKER COLLEGE'S GENERAL EDUCATION REQUIREMENTS:



#### GENERAL EDUCATION COURSE REQUIREMENTS FOR CERTIFICATES: 16 QUARTER HOURS

(For Certificates of Substantial Length: 68 or more quarter hours)

Course Number	Course Title	Quarter Hours
<b>COMMUNICATION: 4 QUARTER HOURS</b>		
ENG 101	Composition I	04

#### **MATHEMATICAL REASONING: 4 QUARTER HOURS**

##### ONE OF THE FOLLOWING:

MTH 101	Mathematics for Business	04
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 111	Introductory Algebra	04
Or a higher level math course		

#### **PERSONAL AND SOCIAL ENVIRONMENTS: 4 QUARTER HOURS**

##### ONE OF THE FOLLOWING:

PSY 101	Human Relations	04
PSY 111	General Psychology	04

#### **COMPUTER LITERACY: 4 QUARTER HOURS**

INF 161 Technology and Society 02

##### ONE OF THE FOLLOWING (ELECT 161A, ELECT 161B, AND ELECT 161C COMPUTER LITERACY ELECTIVES):

INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 121	Introduction to Windows	02
INF 141A	Microsoft PowerPoint	02

Certificates of less than 68 quarter hours may also contain general education requirements as determined by individual programs.



# ASSOCIATE PROGRAM REQUIREMENTS

## GENERAL EDUCATION COURSE REQUIREMENTS FOR ASSOCIATE DEGREES: 32 QUARTER HOURS

Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

### COMMUNICATION: 16 QUARTER HOURS

#### ALL OF THE FOLLOWING:

ENG	101	Composition I	04
ENG	102	Composition II	04
SPK	201	Oral Communication	04

#### ONE OF THE FOLLOWING

#### (ELECT 120A COMMUNICATION ELECTIVE):

ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	411	Foundations of Mass Communication	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
WRI	115	Workplace Communication	04

### MATHEMATICAL REASONING: 4 QUARTER HOURS

#### ONE OF THE FOLLOWING:

MTH	101	Mathematics for Business	04
-----	-----	--------------------------	----

MTH	108	College Mathematics I: Reasoning and Application	04
MTH	111	Introductory Algebra	04
MTH	401	Statistical Methods	04

*Or a higher level math course*

### PERSONAL AND SOCIAL ENVIRONMENTS: 4 QUARTER HOURS

#### ONE OF THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04
ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04

### COMPUTER LITERACY: 8 QUARTER HOURS

INF	161	Technology and Society	02
-----	-----	------------------------	----

#### THREE OF THE FOLLOWING (ELECT 161A, ELECT 161B, AND ELECT 161C COMPUTER LITERACY ELECTIVES):

INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	114A	Introduction to Database Applications	02
INF	121	Introduction to Windows	02
INF	141A	Microsoft PowerPoint	02



# BACHELOR PROGRAM REQUIREMENTS

## GENERAL EDUCATION COURSE REQUIREMENTS FOR BACHELOR DEGREES: 72 QUARTER HOURS

Course Number Course Title Quarter Hours

### COMMUNICATION: 24 QUARTER HOURS

#### ALL OF THE FOLLOWING:

ENG	101	Composition I	04
ENG	102	Composition II	04
SPK	201	Oral Communication	04

#### TWO OF THE FOLLOWING (ELECT 121A AND

#### ELECT121B COMMUNICATION ELECTIVES):

ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	411	Foundations of Mass Communication	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

#### ONE OF THE FOLLOWING:

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

### MATHEMATICAL REASONING: 8 QUARTER HOURS

#### ONE OF THE FOLLOWING:

MTH	101	Mathematics for Business	04
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	111	Introductory Algebra	04

Or a higher level math course

#### ONE OF THE FOLLOWING:

MTH	109	College Mathematics II	04
MTH	112A	College Algebra	04
MTH	401	Statistical Methods	04

Or a higher level math course

### PERSONAL AND SOCIAL ENVIRONMENTS: 16 QUARTER HOURS

HUM	401A	Philosophy of Ethics	04
-----	------	----------------------	----

#### ONE OF THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

#### TWO OF THE FOLLOWING (ELECT 141A AND ELECT141B

#### PERSONAL AND SOCIAL ENVIRONMENTS ELECTIVES):

ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
POL	201A	American Political Systems	04
PSY	211	Psychology of Death and Dying	04
PSY	221	Developmental Psychology	04
PSY	231	Organizational Psychology	04
PSY	335	Human Sexuality	04
PSY	351	Adolescent Psychology	04
PSY	401	Social Psychology	04

SOC	201	Sociology	04
SOC	301	Social Problems	04

### COMPUTER LITERACY: 8 QUARTER HOURS

INF	161	Technology and Society	02
-----	-----	------------------------	----

#### THREE OF THE FOLLOWING (ELECT 161A, ELECT 161B, AND ELECT 161C COMPUTER LITERACY ELECTIVES):

INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	114A	Introduction to Database Applications	02
INF	121	Introduction to Windows	02
INF	141A	Microsoft PowerPoint	02

### GLOBAL AND CULTURAL PERSPECTIVES: 12 QUARTER HOURS

SOC	321	Cultural Diversity	04
-----	-----	--------------------	----

#### EIGHT CREDITS OF THE FOLLOWING

#### (ELECT 131A AND ELECT 131B GLOBAL AND

#### CULTURAL PERSPECTIVES ELECTIVES):

ECN	301	International Economics	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HIS	301	Women's Studies	04
HIS	351	World History I	04
HIS	352	World History II	04
HIS	353	World History III	04
HIS	354	World History IV	04
HIS	411	Emerging Nations	04
HUM	101B	Art and Architecture I (Antiquity to Renaissance)	04
HUM	102B	Art and Architecture II (Baroque to Modern)	04
HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
ITP	111	American Sign Language I	04
ITP	112	American Sign Language II	04
POL	401	International Relations	04
SOC	341	Global Perspectives	04
SPN	101	Spanish I	04
SPN	102	Spanish II	04
SPN	103	Spanish III	04

Any four quarter hour equivalent of a language course (other than English) meets one of the courses for the global and cultural perspectives requirement, other than SOC 321 Cultural Diversity.

### SCIENTIFIC INQUIRY: 4 QUARTER HOURS

#### ONE OF THE FOLLOWING

#### (ELECT 111A SCIENTIFIC INQUIRY ELECTIVE):

SCI	101C	Human Anatomy and Physiology I	05
SCI	111	Biology	05
SCI	215	Integrated Physics	04
SCI	220A	Microbiology	05
SCI	246	Chemistry I	04
SCI	251	General Physics I	04
SCI	321	Principles of Astronomy	04
SCI	451	Environmental Science	04

# PHILOSOPHY OF DEVELOPMENTAL EDUCATION

---

The mission of developmental education is to provide a comprehensive preparatory program enabling students to acquire academic skills necessary to complete a college-level course of study.

## Developmental Education Goals

- Provide appropriate educational opportunities and services
- Ensure proper placement of students
- Maintain high academic standards that support student success in college-level courses
- Enhance the quality of student learning
- Promote continued development and application of adult learning theory, adhering to best practices
- Provide students with opportunities to build strong foundational skills
- Be sensitive and responsive to individual differences among students
- Promote a collaborative and supportive environment for faculty, staff, and students

## Developmental Education Objectives

- Entry-level students will complete appropriate placement testing.
- Students will use developmental education resources provided by the College.
- Students will demonstrate reasoning, communication, and comprehension skills required for college-level work.
- Students will demonstrate competency in reading, writing, and mathematics through exit processes.

## THE FOLLOWING COURSES ARE DESIGNED TO MEET THE ABOVE OBJECTIVES:

Course Number	Course Title
ENG 091	English Review
ENG 098B	College Reading
MTH 091	Essential Math Concepts
MTH 099E	Pre-Algebra

In addition to these developmental education courses, other developmental courses, specific to a program area, may be required. See individual program requirements for details.





**Baker College supports its Right-to-Try Admissions Policy with several educational services. Some students who enter Baker College require assistance to meet the pressures of an academic community. Because of this, Baker College provides these students with a developmental education program which enables them to achieve success in college and their future careers.**

### **Developmental Courses**

- Students with below college-level reading skills, as determined by the results of a placement test, are required to enroll in College Reading (ENG 098B).
- Students with below college-level English writing skills, as determined by the results of a placement test, are required to enroll in English Review (ENG 091).
- Students with below college-level math skills, as determined by the results of a placement test, are required to enroll in Essential Math Concepts (MTH 091) and/or Pre-Algebra (MTH 099E).
- Students who place into these developmental areas should take the developmental course(s) the first quarter. These courses should be completed within the first academic year, prior to enrolling in a college-level general education course.
- Students who place into two or three developmental areas, one of which is MTH 091 Essential Math Concepts, are required to enroll part time (less than 12 credits) the first quarter of attendance only.
- Students must successfully complete all required developmental education courses. Students unable to successfully complete (pass) any one or more of the developmental education courses (ENG 091, ENG 098B, MTH 091, MTH 099E) within three attempts, including withdrawals, will face academic dismissal from the College. For both the second and third attempts, students are placed on a Student Learning Contract. (A second attempt contract serves as a warning, and a third attempt contract serves as notice of the student facing academic dismissal.)



The Baker College Smart Degree Option, leading to any one of several bachelor degree options, is an effective degree completion plan. It is a significantly different and more beneficial approach than that taken by most colleges.

In this format, enthusiasm for degree completion is established early and maintained throughout the program. Students interested in Business Administration, for example, are motivated by experiencing computer, management, and marketing courses early in their program. Baker College's emphasis on degree completion also helps avoid the "professional student" syndrome by encouraging progress toward graduation. During the junior and senior years, the student completes a major and a minor while finishing the general education requirements. Many students are also employed during this period. Work experiences give greater meaning to the general education coursework, since career-minded students can better understand the importance of achieving a well-balanced education. Consider the Baker College Smart Degree Option for a bachelor degree...a better way!

### Associate Degree Students

Entering freshmen pursuing an associate degree will find a wide selection of business and technical programs designed for direct entry into jobs which do not require completion of a bachelor degree.

### Smart Degree Option for Freshman Students

Freshmen who desire a Baker College Smart Degree Option bachelor degree begin by enrolling in an associate degree program. Most associate degree programs lead to related bachelor degrees. Following completion of the associate degree, two options are available to the student:

1. Enter a bachelor degree program as a full-time student.
2. Begin full-time employment and continue toward a bachelor degree as a part-time student.

### Smart Degree Option for Transfer Students

Baker College is eager to assist transfer students who choose to enter any Baker bachelor degree program. Transfer students must first request official transcripts from their high schools and from all colleges attended for evaluation by the registrar. Requests for financial aid transcripts will also be required for those students applying for financial assistance. Transfer students should become familiar with the Baker College policy regarding acceptance of transfer credit. Students will find that Baker College is committed to applying this policy for maximum transfer of credit. The number of credits accepted by Baker College will determine entry at the associate or bachelor degree level.

## SMART DEGREE PROGRAM SELECTOR GUIDE

An associate degree in the following programs shown in blue can lead to the bachelor degrees noted under each associate degree program title.

#### Accounting

Bachelor of Business Administration - Accounting  
Bachelor of Business Administration - Accelerated Program

#### Administrative Professional

Bachelor of Business Administration - Accelerated Program  
Bachelor of Business Administration - Management

#### Architectural/Construction Technology

Bachelor of Science - Architectural Technology  
Bachelor of Science - Construction Management

#### Automotive Services Technology

Bachelor of Science - Industrial Technology  
Bachelor of Science - Service Management

#### Cardiac Sonography

Bachelor of Science - Health Services Administration

#### Computer Aided Design

Bachelor of Science - Industrial Technology  
Bachelor of Science - Industrial Engineering

#### Computer Animation

Bachelor of Science - Computer Science  
Bachelor of Science - Digital Media Technology

#### Computer Programming

Bachelor of Science - Information Systems  
Bachelor of Science - Computer Science  
Bachelor of Science - Computer Science/ Database Technology

#### Criminal Justice

Bachelor of Science - Criminal Justice

#### Diagnostic Medical Sonography

Bachelor of Science - Health Services Administration

#### Diesel Service Technology

Bachelor of Science - Industrial Technology  
Bachelor of Science - Service Management

#### Digital Media Design

Bachelor of Science - Digital Media Technology

#### Digital Video Production

Bachelor of Science - Digital Media Technology

#### Early Childhood Education

Bachelor of Science - Early Childhood Education

#### Emergency Services Management

Bachelor of Science - Health Services Administration





#### **Entrepreneurship**

Bachelor of Business Administration - Management  
 Bachelor of Business Administration - Accelerated Program

#### **Food and Beverage Management**

Bachelor of Science - Food and Beverage Management

#### **General Business Administration**

Bachelor of Business Administration - Human Resources Management  
 Bachelor of Business Administration - Management  
 Bachelor of Business Administration - Marketing  
 Bachelor of Business Administration - Accelerated Program  
 Bachelor of Business Administration - Supply Chain Management

#### **Health Information Technology**

Bachelor of Science - Health Services Administration

#### **Health Navigator**

Bachelor of Science - Health Services Administration

#### **Hemodialysis Patient Care Technician**

Bachelor of Science - Health Services Administration

#### **Human Resources Management**

Bachelor of Business Administration - Human Resources Management  
 Bachelor of Business Administration - Accelerated Program

#### **Human Services**

Bachelor of Science - Human Services

#### **Industrial Technology**

Bachelor of Science - Industrial Technology

#### **Information Technology**

Bachelor of Science - Information Systems  
 Bachelor of Science - Computer Science  
 Bachelor of Science - Cyber Defense  
 Bachelor of Science - Information Technology and Security

#### **Interior Design**

Bachelor of Science - Interior Design

#### **Interpreter Training**

Bachelor of Science - Interpreter Training

#### **Management**

Bachelor of Business Administration - Management  
 Bachelor of Business Administration - Accelerated Program  
 Bachelor of Business Administration - Supply Chain Management

#### **Marketing**

Bachelor of Business Administration - Marketing  
 Bachelor of Business Administration - Accelerated Program

#### **Mechanical Technology**

Bachelor of Science - Industrial Engineering  
 Bachelor of Science - Mechanical Engineering

#### **Medical Assistant**

Bachelor of Science - Health Services Administration

#### **Medical Insurance Specialist**

Bachelor of Science - Health Services Administration

#### **Medical Laboratory Technician**

Bachelor of Science - Health Services Administration

#### **Medical Administration Assistant**

Bachelor of Science - Health Services Administration

#### **Nursing - ADN**

Bachelor of Science - Nursing

#### **Occupational Therapy Assistant**

Bachelor of Science - Health Services Administration  
 Bachelor of Science - Pre-Occupational Therapy

#### **Opticianry**

Bachelor of Science - Health Services Administration

#### **Orthotic/Prosthetic Technology**

Bachelor of Science - Health Services Administration

#### **Paralegal**

Bachelor of Business Administration - Accelerated Program  
 Bachelor of Science - Legal Studies

#### **Pharmacy Technician**

Bachelor of Science - Health Services Administration

#### **Physical Therapist Assistant**

Bachelor of Science - Health Services Administration

#### **Polysomnographic Technology**

Bachelor of Science - Health Services Administration

#### **Public Safety**

Bachelor of Science - Public Safety

#### **Radiologic Technology**

Bachelor of Science - Health Services Administration  
 Bachelor of Science - Radiation Therapy

#### **Respiratory Care**

Bachelor of Science - Health Services Administration

#### **Supply Chain Management**

Bachelor of Business Administration - Management  
 Bachelor of Business Administration - Supply Chain Management

#### **Surgical Technology**

Bachelor of Science - Health Services Administration

#### **Therapeutic Massage**

Bachelor of Science - Health Services Administration

#### **Vascular Ultrasound Technology**

Bachelor of Science - Health Services Administration

#### **Veterinary Technician**

Bachelor of Business Administration - Accelerated Program

#### **Web Development**

Bachelor of Science - Information Systems  
 Bachelor of Science - Computer Science  
 Bachelor of Science - Web Development

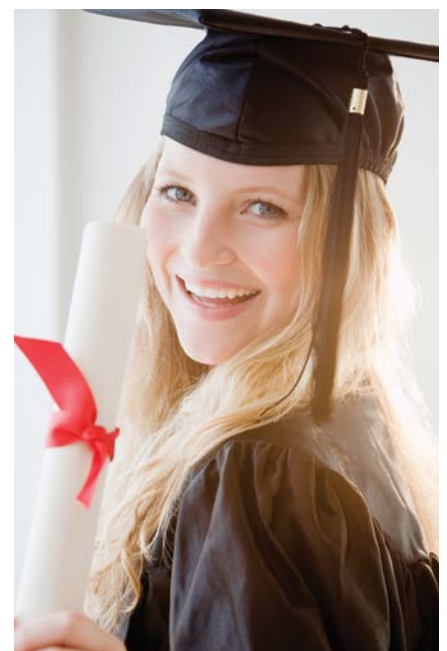
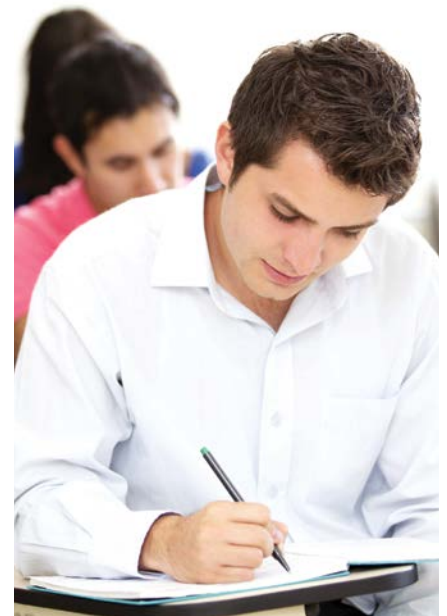
**The following choices may also lead to the indicated bachelor degree program. These options are available to transfer students as well as Baker College students.**

#### **Any associate degree program and program entrance requirements**

Bachelor of Business Administration - Accelerated Program

#### **Any associate degree program**

Bachelor of Science - Health Services Administration  
 Bachelor of Business Administration - Accelerated Program





**The mission of the Business Administration Division is to enable graduates to meet the challenges of the dynamic and complex business environment. Our quality-focused, market-driven, and rigorous program curricula will establish and enhance core business knowledge and ability to anticipate and react to societal changes, as well as provide students with technological proficiency, the ability to make ethical decisions, and the communication skills that embody the professional acumen graduates need to make positive contribution to their chosen fields.**

Many of the courses and programs at Baker College are offered in an online delivery format. See page 153 for Baker College Online programs. Contact your campus Academic/Administrative Office for details about Online courses.

A new student may choose an “Undeclared but Degree Seeking” program. A student also may add a limited number of “Student Elected Classes” to his/her program with the approval of an Academic Advisor. Information about both of these options, including course and credit hour limitations, can be obtained in the Academic Office.

Information regarding double majors and/or minors is located on page 241. Contact your campus academic staff to discuss requirements.

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





## BUSINESS ADMINISTRATION UNDERGRADUATE PROGRAMS

### CERTIFICATES

Baking and Pastry ..... PG. 40

### ASSOCIATE DEGREES

#### Associate of Applied Science

Baking and Pastry ..... PG. 42

Culinary Arts ..... PG. 42

Food and Beverage Management ..... PG. 44

#### Associate of Business

\* Accounting ..... PG. 40

Administrative Professional ..... PG. 41

Business Administration ..... PG. 41

Entrepreneurship ..... PG. 43

Entrepreneurship - Articulated Credit ..... PG. 43

\* General Business ..... PG. 44

\* Human Resource Management ..... PG. 45

\* Management ..... PG. 45

\* Marketing ..... PG. 46

Paralegal ..... PG. 46

Supply Chain Management ..... PG. 47

### BACHELOR DEGREES

#### Bachelor of Business Administration

\* Accounting ..... PG. 47

\* Business Administration - Accelerated Program ..... PG. 48

\* Finance ..... PG. 49

\* Human Resource Management ..... PG. 50

\* Management ..... PG. 52

\* Marketing ..... PG. 52

Supply Chain Management ..... PG. 53

**Bachelor of Food and Beverage Management..... PG. 49**

**Bachelor of Science in Legal Studies..... PG. 51**

### ELECTIVES

General Education Electives ..... PG. 54



International Assembly for Collegiate Business Education • IACBE.org

Baker College has received specialized accreditation for its business programs through the International Assembly for Collegiate Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas. Web Address: [www.iacbe.org](http://www.iacbe.org). The business programs designated with an asterisk (\*) are accredited by the IACBE.





## CERTIFICATE PROGRAMS

### BAKING AND PASTRY

#### Certificate

The one-year Baking and Pastry Arts program certificate is designed to prepare graduates for employment in retail deli-bakeries, fine dining restaurants, pastry and bakery shops, commercial baking, and hotel and resort bake shops. The program combines extensive hands-on training and classroom study to prepare students in the baking and pastry field. Successful graduates will be prepared to enter the workforce and obtain positions such as assistant pastry chef, assistant baker, lead baker, or wedding cake decorator. Students receive extensive training in the development and preparation of breads, pies, cookies, specialty breads and pastries, fruit bars, tortes, and international desserts. In addition, the curriculum also includes classes in management, food safety and sanitation, and nutrition.



Course Number	Course Title	Quarter Hours
<b>REQUIRED COURSES - 59 HOURS</b>		
BPA 111	Baking Techniques I	06
BPA 112	Baking Techniques II	06
BPA 151	Pastry Techniques I	06
BPA 152	Pastry Techniques II	06
BPA 153	Pastry Techniques III	06
BPA 251A	Cafe and Restaurant Production	06
CUL 101	Introduction to Food Service and Hospitality	02
CUL 115A	Culinary Math	04
CUL 131B	Food Safety	02
CUL 141	Nutrition	02
ENG 101	Composition I	04
FBM 221	Menu Planning and Analysis	04
MTH 108	College Mathematics I: Reasoning and Application	04
WRK 291B	Professional Career Strategies	01
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>59</b>

## ASSOCIATE DEGREE PROGRAMS

### ACCOUNTING

#### Associate of Business Degree

This program prepares students for entry-level positions in the accounting field. The coursework will develop the skills necessary to record, present, and analyze financial data as well as provide learning experiences that will shape the competencies required for successful office management, accounting clerk, staff accountant, and bookkeeper positions. Students wishing to obtain the national certification for bookkeepers may elect this option. Students who desire CPA licensure should elect the BBA Accounting program.



Course Number	Course Title	Quarter Hours
<b>ACCOUNTING MAJOR - 27 HOURS</b>		
ACC 231	Computerized Accounting	04
ACC 241	Accounting Concepts	04
ACC 251	Payroll Accounting	04
ACC 301	Intermediate Accounting I	04
ACC 341B	Individual Taxation	04
ELECT 100A	Elective	04
INF 113	Electronic Spreadsheets	02
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
WRK 218	Work Experience Project	04
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 32 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 114A	Introduction to Database Applications	02
INF 141A	Microsoft PowerPoint	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>95</b>





## ADMINISTRATIVE PROFESSIONAL

### Associate of Business Degree

Look no further for a dynamic, business-driven program that will offer employment in today's competitive work environment. This associate degree prepares the student with a complex blend of technology skills, business communication, and management skills needed to be a key administrator in an office or department. Administrative professionals are organized, adaptable, creative problem-solvers, and recognize the importance of taking initiative while multi-tasking in a busy office setting. This program offers a career path for students focused on learning all aspects of the administrative support field while offering additional training for those professionals already working in the field.



Course Number	Course Title	Quarter Hours
<b>ADMINISTRATIVE PROFESSIONAL MAJOR - 37 HOURS</b>		
ADP 101	Workplace Technology I	04
ADP 102	Workplace Technology II	04
ADP 141	Workplace Professionalism	04
ADP 151	Workplace Management I	04
ADP 203	Workplace Technology III	04
ADP 221	Business Communication	04
ADP 252	Workplace Management II	04
CIS 313A	Intermediate Spreadsheets	04
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 24 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
MGT 101	Principles of Management	04
MKT 111B	Principles of Marketing	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 141A	Microsoft PowerPoint	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>

## BUSINESS ADMINISTRATION

### Associate of Business Degree

The Business Administration Associate Degree program provides students a fundamental knowledge of business functions and processes and an understanding of business organizations in today's global economy. Students will discover the functional areas of business including accounting, finance, management, and marketing. Students will also explore concepts in entrepreneurship, business law, and economics. This program prepares students for a successful entry-level career in the business environment.



Course Number	Course Title	Quarter Hours
<b>BUSINESS ADMINISTRATION MAJOR - 29 HOURS</b>		
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04
<b>SELECT 24 CREDITS FROM THE FOLLOWING:</b>		
BUS 211	Business Analytics	04
ELECT 100A	Transfer/Work/Military Credits	04
ELECT 100B	Transfer/Work/Military Credits	04
ELECT 100C	Transfer/Work/Military Credits	04
EN 201	Introduction to Entrepreneurship	04
MGT 111	Professional Management Behavior	04
MGT 212A	Staffing and Performance Management	04
MGT 222	Management Seminar	04
PPM 301	Project Management	04
<b>BUSINESS REQUIREMENTS - 32 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 113	Electronic Spreadsheets	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>

**BAKING AND PASTRY****Associate of Applied Science Degree**

This program trains and prepares graduates for pastry chef and other bakery supervisory positions. People with baking and pastry skills are employed in retail bakeries, fine dining restaurants, pastry and bakery shops, commercial baking operations, country clubs, and hotel and resort bake shops, where they utilize their experiences to artfully prepare baked goods, specialty breads and pastries, cookies, petite fours, wedding cakes, specialty sugar and chocolate showpieces. This program also prepares graduates to skillfully manage the respective operations as well as prepare them for leadership roles in the bakeshop and in the special knowledge and techniques used in professional baking and pastry outlets. Typical duties include production of pastries, staff selection and training, purchasing, inventory control, item costing and overall bakeshop management.



Course Number	Course Title	Quarter Hours
<b>BAKING AND PASTRY ARTS MAJOR - 83 HOURS</b>		
BPA 111	Baking Techniques I	06
BPA 112	Baking Techniques II	06
BPA 151	Pastry Techniques I	06
BPA 152	Pastry Techniques II	06
BPA 153	Pastry Techniques III	06
BPA 221	Advanced Confectionary Arts I	06
BPA 222	Advanced Confectionary Arts II	06
BPA 223	Advanced Confectionary Arts III	06
BPA 251A	Cafe and Restaurant Production	06
CUL 101	Introduction to Food Service and Hospitality	02
CUL 110	Product Identification	02
CUL 115A	Culinary Math	02
CUL 131B	Food Safety	02
CUL 141	Nutrition	02
CUL 221	Purchasing and Cost Control	04
FBM 221	Menu Planning and Analysis	04
FBM 241	Food and Beverage Management	04
WRK 291B	Professional Career Strategies	01
WRKCM201A	Work Experience	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 121	Introduction to Windows	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>115</b>

**CULINARY ARTS****Associate of Applied Science Degree**

This program trains and prepares graduates for chef and other kitchen supervisory positions. People with culinary arts skills are employed in restaurants, hotels, institutional settings, delis, and catering companies, where they utilize their experience to artfully prepare culinary specialties and skillfully manage these respective operations. This program prepares graduates for leadership roles in the kitchen and in the knowledge and techniques used in quantity gourmet food preparation. The Baker College Culinary Arts Program in Muskegon is accredited with Exemplary status by the ACF (American Culinary Federation) accrediting commission. Successful graduates will be eligible to take their Certified Culinarian Certification examination. Instruction is provided through a combination of classroom, hands-on labs, and internship experience.



Course Number	Course Title	Quarter Hours
<b>CULINARY ARTS MAJOR - 87 HOURS</b>		
CUL 101	Introduction to Food Service and Hospitality	02
CUL 110	Product Identification	02
CUL 115A	Culinary Math	04
CUL 131B	Food Safety	02
CUL 141	Nutrition	02
CUL 151	Culinary Skills I	08
CUL 152	Culinary Skills II	08
CUL 153	Culinary Skills III	08
CUL 161	Competitive Cooking	06
CUL 201	Restaurant Techniques	08
CUL 216	Baking for Culinary Students	06
CUL 221	Purchasing and Cost Control	04
CUL 222A	Table Service	08
CUL 231A	Garde Manger	06
FBM 221	Menu Planning and Analysis	04
FBM 241	Food and Beverage Management	04
WRK 291B	Professional Career Strategies	01
WRKCM 201A	Work Experience	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 121	Introduction to Windows	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>119</b>





## ENTREPRENEURSHIP

### Associate of Business Degree

This program is designed for those who desire to own, operate, or manage a small business. This program focuses on establishing, financing, marketing, and managing a small business.



Course Number	Course Title	Quarter Hours
<b>ENTREPRENEURSHIP MAJOR - 29 HOURS</b>		
EN 201	Introduction to Entrepreneurship	04
EN 211	Human Resources for Entrepreneurs	04
EN 221	Finance for Entrepreneurs	04
EN 231	Marketing for Entrepreneurs	04
EN 241	Managing Entrepreneurial Operations	04
EN 291	Developing the Business Plan	04
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 32 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>

## ENTREPRENEURSHIP - ARTICULATED CREDIT

### Associate of Business Degree

This program is designed for those individuals who currently own or plan to own or operate a small business. This program focuses on establishing, financing, marketing, and managing a small business and is intended for those individuals who have licensure in an occupation that has been approved for articulated credit by Baker College. Please consult with the Admissions Office to determine license eligibility or for further information.



Course Number	Course Title	Quarter Hours
<b>ARTICULATION CREDIT</b>		
<b>ENTREPRENEURSHIP (AC) MAJOR - 41 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
EN 201	Introduction to Entrepreneurship	04
EN 211	Human Resources for Entrepreneurs	04
EN 221	Finance for Entrepreneurs	04
EN 231	Marketing for Entrepreneurs	04
EN 241	Managing Entrepreneurial Operations	04
EN 291	Developing the Business Plan	04
MKT 111B	Principles of Marketing	04
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>113</b>

Articulated credit may not be accepted into all bachelor degree programs.

**FOOD AND BEVERAGE MANAGEMENT****Associate of Applied Science Degree**

This program provides training in the supervision and management of food and beverage operations focusing on food preparation, dining room services, and beverage operations. This program provides a combination of extensive laboratory hands-on training, cooperative work experience, and classroom training. Successful graduates will be prepared for careers as supervisors in food and beverage operations, in restaurants, hotels, hospitals, delis and catering operations, and in corporate food settings. Successful graduates will be prepared to work in such positions as assistant chefs, assistant dining room and/or catering managers, catering and event sales people, assistant managers, assistant food and beverage directors, and as food and beverage owners/operators.



Course Number	Course Title	Quarter Hours
<b>FOOD AND BEVERAGE MANAGEMENT MAJOR - 79 HOURS</b>		
CUL 101	Introduction to Food Service and Hospitality	02
CUL 110	Product Identification	02
CUL 115A	Culinary Math	04
CUL 131B	Food Safety	02
CUL 221	Purchasing and Cost Control	04
CUL 222A	Table Service	08
FBM 111	The History and Culture of Eating and Drinking	04
FBM 121	Culinary Fundamentals	06
FBM 131	Accounting for Food and Beverage Managers	04
FBM 151	Liquor Identification and Liabilities	04
FBM 221	Menu Planning and Analysis	04
FBM 231	Hospitality Financial Management	04
FBM 241	Food and Beverage Management	04
FBM 251	Introduction to Wine	04
FBM 255	Beer Styles and Service	04
FBM 261	Bar Management and Mixology	06
FBM 281	Restaurant Operations	08
WRK 291B	Professional Career Strategies	01
WRKCM 201A	Work Experience	04
<b>GENERAL EDUCATION REQUIREMENTS - 36 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 121	Introduction to Windows	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
PSY 101	Human Relations	04
SOC 201	Sociology	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>115</b>

**GENERAL BUSINESS****Associate of Business Degree**

This program offers students a variety of business fundamentals and knowledge upon which to build a career in business. Students are encouraged to explore the functional areas of business. The flexibility of this program provides an opportunity to survey the field of business and is likely to create an interest in a specific area.



Course Number	Course Title	Quarter Hours
<b>GENERAL BUSINESS MAJOR - 29 HOURS</b>		
ELECT 100A	Elective	04
ELECT 100B	Elective	04
ELECT 100C	Elective	04
ELECT 100D	Elective	04
ELECT 100E	Elective	04
ELECT 100F	Elective	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
WRK 218	Work Experience Project	04
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 32 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 113	Electronic Spreadsheets	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>



## HUMAN RESOURCE MANAGEMENT

### Associate of Business Degree

This program is an excellent career choice for students who want to perform an identifiable set of activities that affect and influence the employees who work in an organization.

These activities include recruitment, selection, compensation, training and development, and evaluation.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### HUMAN RESOURCE MANAGEMENT MAJOR - 29 HOURS

HRM 215A	Staffing Human Resources	04
HRM 225A	Training and Developing Human Resources	04
HRM 291	Human Resource Seminar	04
HRM 300	Compensating Human Resources	04
HRM 315A	Performance Management of Human Resources	04
MGT 212A	Staffing and Performance Management	04
WRK 291B	Professional Career Strategies	01

#### SELECT 1 COURSE FROM THE FOLLOWING:

WRK 218	Work Experience Project	04
WRKBS 201	Work Experience	04

#### BUSINESS REQUIREMENTS - 32 HOURS

ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04

#### GENERAL EDUCATION REQUIREMENTS - 32 HOURS

ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

PSY 101	Human Relations	04
PSY 111	General Psychology	04

<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>	<b>93</b>
--	-----------

## MANAGEMENT

### Associate of Business Degree

At the associate degree level, the Business Administration curricula are designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy. Coursework includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of cases, communication, team building, and decision making. Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, non-profit organizations, and large to small business or industry.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### MANAGEMENT MAJOR - 29 HOURS

BUS 211	Business Analytics	04
MGT 111	Professional Management Behavior	04
MGT 141	Principles of Management	04
MGT 212A	Staffing and Performance Management	04
MGT 221	Applied Business Analytics	04
MGT 222	Management Seminar	04
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04

#### BUSINESS REQUIREMENTS - 32 HOURS

ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04

#### GENERAL EDUCATION REQUIREMENTS - 32 HOURS

ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

PSY 101	Human Relations	04
PSY 111	General Psychology	04

<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>	<b>93</b>
--	-----------



**MARKETING****Associate of Business Degree**

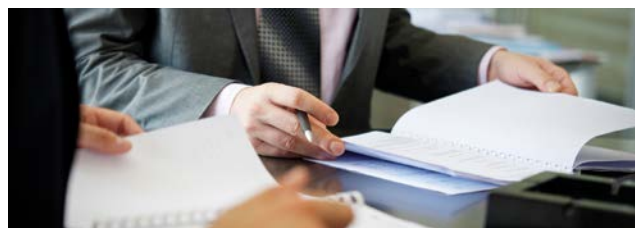
At the associate degree level, the marketing curriculum is designed to introduce students to the various aspects of marketing including identifying and satisfying consumer needs. Students will be provided with a fundamental knowledge of the marketing functions and processes, with emphasis on the Four P's of the marketing mix, product, price, place and promotion. The study of marketing encompasses a wide range of activities, such as advertising, sales, retailing, wholesaling, warehousing, packaging, and distribution. This program prepares students for a variety of positions in areas such as sales, wholesale distribution, customer service, retailing, advertising, buying, and many others.



Course Number	Course Title	Quarter Hours
<b>MARKETING MAJOR - 29 HOURS</b>		
BUS 211	Business Analytics	04
ELECT 100A	Elective	04
ELECT 100B	Elective	04
MKT 131	Personal Selling	04
MKT 241	Advertising/Digital Marketing I	04
MKT 261	Marketing Planning	04
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 32 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 113	Electronic Spreadsheets	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 2 COURSES FROM THE FOLLOWING:</b>		
INF 112	Word Processing	02
INF 114A	Introduction to Database Applications	02
INF 121	Introduction to Windows	02
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>

**PARALEGAL****Associate of Business Degree**

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, local, state, and federal government agencies. A paralegal is qualified by education, training, or work experience to be 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 and Clinton Township campuses.



Course Number	Course Title	Quarter Hours
<b>PARALEGAL MAJOR - 61 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
MGT 141	Principles of Management	04
PAR 101	Law, Legal Profession, and Terminology	04
PAR 111	Legal Writing, Research, and Analysis I	04
PAR 112	Legal Writing, Research, and Analysis II	04
PAR 113A	Legal Writing, Research, and Analysis III	04
PAR 131A	Law Office Technology and Ethics	04
PAR 201	Torts	04
PAR 211	Criminal Law and Procedures	04
PAR 221	Business Organizations	04
PAR 231A	Wills, Trust, and Probate Administration	04
PAR 241	Contract Law	04
PAR 291	Civil Litigation	04
POL 201A	American Political Systems	04
WRK 215	Paralegal Work Experience	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>



## SUPPLY CHAIN MANAGEMENT

### Associate of Business Degree

Traditional business and general education classes are blended with a variety of transportation classes designed to allow students to acquire the knowledge and skills required to enter the transportation industry within a broad array of responsibilities such as third-party brokering, warehouse management, logistics/supply chain management, and safety positions.



Course Number	Course Title	Quarter Hours
<b>SUPPLY CHAIN MANAGEMENT MAJOR - 33 HOURS</b>		
CIS 313A	Intermediate Spreadsheets	04
ELECT 100A	Elective	04
SCM 231	Transportation Management	04
SCM 242	Supply Chain Management	04
SCM 251	Logistics Management	04
SCM 271	Intermodal Transportation	04
TRN 211	Regulations and Procedures	04
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 32 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04
<b>GENERAL EDUCATION REQUIREMENTS - 28 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 113	Electronic Spreadsheets	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>

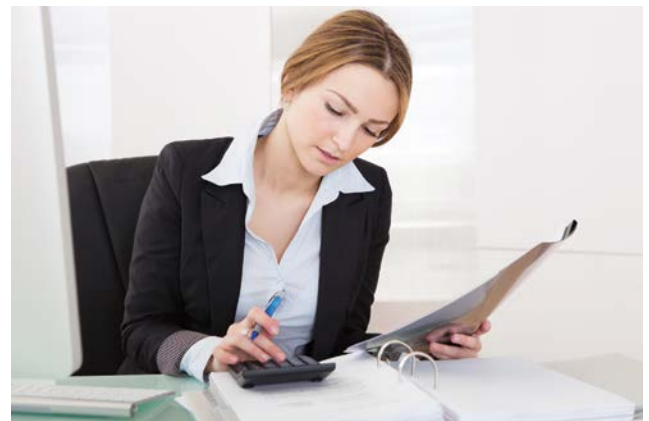
## BACHELOR DEGREE PROGRAMS

### ACCOUNTING

#### Bachelor of Business Administration

This program emphasizes practical application as well as the theoretical aspects of the discipline of accounting to prepare students for professional careers in public, managerial, and governmental accounting and/or advanced study within the discipline. Students will gain an understanding of the social, ethical, economic, legal, and regulatory environment in which businesses operate and develop the problem-solving, decision-making, communication, and leadership skills necessary to compete in a dynamic global marketplace. Students completing this degree are eligible to sit for the Uniform Certified Public Accountant Examination in Michigan (see note below).

Beginning July 1, 2003, students pursuing a CPA licensure in the state of Michigan will be required to have obtained 225 quarter hours of credit prior to applying for a CPA license. While the BBA Accounting Program satisfies the requirements to sit for the Uniform Certified Public Accountant Examination, additional credit is needed for licensure. Individuals are therefore advised to contact the Michigan State Board of Accountancy Licensing Bureau for further information. Students wishing to become eligible to sit for the examination in other states are recommended to check with the National Association of State Boards of Accountancy ([www.nasba.org](http://www.nasba.org)), which services as a forum for the 54 U.S. boards of accountancy, for the state in which they intend to practice.



Course Number	Course Title	Quarter Hours
<b>ACCOUNTING MAJOR - 63 HOURS</b>		
ACC 241	Accounting Concepts	04
ACC 301	Intermediate Accounting I	04
ACC 302	Intermediate Accounting II	04
ACC 303	Intermediate Accounting III	04
ACC 312B	Business Entities Taxation	04
ACC 331A	Cost Accounting	04
ACC 341B	Individual Taxation	04
ACC 416	Auditing, Systems, and Controls I	04
ACC 417	Auditing, Systems, and Controls II	04
ACC 431B	Governmental and Non-Profit Accounting	04
ACC 441	Advanced Accounting	04
ELECT 100A	Elective	04
INF 113	Electronic Spreadsheets	02
LAW 312	Advanced Business Law	04
MGT 431	Strategic Management	04
WRK 291B	Professional Career Strategies	01
WRK 495	Accounting Work Experience	04



## BUSINESS REQUIREMENTS - 48 HOURS

ACC	121	Fundamentals of Accounting I	04
ACC	122	Fundamentals of Accounting II	04
ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
FIN	101	Personal Finance	04
FIN	301A	Principles of Finance	04
LAW	211	Business Law	04
MGT	101	Introduction to Business	04
MGT	311	Organizational Change	04
MGT	321	Management Information Systems	04
MKT	111B	Principles of Marketing	04
MTH	401	Statistical Methods	04

## GENERAL EDUCATION REQUIREMENTS - 72 HOURS

ELECT	111A	Scientific Inquiry Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	112	Word Processing	02
INF	114A	Introduction to Database Applications	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

## SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

## SELECT 1 COURSE FROM THE FOLLOWING:

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 183**

The following minors are available with this program:

- **COMPUTER INFORMATION SYSTEMS MINOR**
- **ENTREPRENEURSHIP MINOR**
- **FINANCE MINOR**
- **FLEX STUDIES MINOR**
- **HUMAN RESOURCE MANAGEMENT MINOR**
- **MANAGEMENT MINOR**
- **MARKETING MINOR**
- **MEDICAL OFFICE MINOR**
- **NON-PROFIT MINOR**
- **PROJECT MANAGEMENT MINOR**
- **PSYCHOLOGY MINOR**
- **SUPPLY CHAIN MANAGEMENT MINOR**

## BUSINESS ADMINISTRATION ACCELERATED PROGRAM

### Bachelor of Business Administration - Accelerated

Turn previous college credits and work experience into a bachelor degree—in just one to two years. Whether you've earned an associate degree or an assortment of college credits, Baker College can consolidate your transcripts—and turn work experience into credits—toward a Bachelor Degree in Business Administration.

This program is designed for the transfer student, military servicemember, or working professional and combines core coursework with experiential credit to provide a contemporary business degree for today's business environment. Elective credit requirement may be satisfied through portfolio, transfer credit, or additional coursework.

This program is designed to help you earn a bachelor degree as quickly and conveniently as possible. Transfer in up to 132 hours of credit in any combination of General Education, Electives, and Core Competencies. Classes are available at all twelve of our Michigan locations and can be completed on-campus, online, or a combination of both.



Course Number	Course Title	Quarter Hours
<b>APPROVED CREDIT - 132 HOURS</b>		
Elective	Transfer/Work/Military Credits	60
GenEd	Transfer/Work/Military Credits	72
<b>REQUIRED CORE COMPETENCIES - 24 HOURS</b>		
ACC	100 Elective	04
ECON	100 Elective	04
FIN	100 Elective	04
LAW	100 Elective	04
MGT	100 Elective	04
MKT	100 Elective	04
<b>MAJOR CORE - 24 HOURS</b>		
BUS	401 International Business	06
BUS	421 Marketing & Management	06
BUS	431 Strategic MGT	06
HRM	401R Human Resources and Employment Law	06
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>180</b>





## FINANCE

### Bachelor of Business Administration

This program emphasizes finance as the study of resource allocation, which includes financial markets, instruments, individuals, and institutions that manage money and assets. Students will gain an understanding of financial theory and practice from various perspectives including banking, financial services, financial planning, and corporate finance. Students will gain an understanding of the social, ethical, economic, legal, and regulatory environment in which businesses operate and develop the problem-solving, decision-making, communication, and leadership skills necessary to compete in a dynamic global marketplace. Graduates from this program can enter the fields of corporate finance, investment banking, financial markets and services, and insurance.



Course Number	Course Title	Quarter Hours
<b>FINANCE MAJOR - 69 HOURS</b>		
ACC 231	Computerized Accounting	04
ACC 241	Accounting Concepts	04
ACC 341B	Individual Taxation	04
CIS 313A	Intermediate Spreadsheets	04
FIN 315	Risk Management	04
FIN 325	Banking and Financial Institutions	04
FIN 341	Credit Analysis and Commercial Lending	04
FIN 355	Financial Markets	04
FIN 401	Personal Financial Planning	04
FIN 451A	International Financial Management	04
FIN 461	Investment Management	04
FIN 471	Financial Statement Analysis	04
FIN 491	Finance Seminar	04
INF 113	Electronic Spreadsheets	02
INF 141A	Microsoft PowerPoint	02
MGT 114	Customer Service	04
MKT 201	Sales	04
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 40 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
FIN 301A	Principles of Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04
MTH 401	Statistical Methods	04
<b>GENERAL EDUCATION REQUIREMENTS - 72 HOURS</b>		
ELECT 111A	Scientific Inquiry Elective	04
ELECT 131A	Global and Cultural Perspectives Elective	04
ELECT 131B	Global and Cultural Perspectives Elective	04
ELECT 141A	Personal and Social Environments Elective	04
ELECT 141B	Personal and Social Environments Elective	04
ENG 101	Composition I	04
ENG 102	Composition II	04
HUM 401A	Philosophy of Ethics	04

INF 112	Word Processing	02
INF 114A	Introduction to Database Applications	02
INF 131	Internet and the World Wide Web	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 109	College Mathematics II	04
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
WRI 301A	Report Writing	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
SPK 211	Group Dynamics	04
SPK 401A	Professional Speaking	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>181</b>

## FOOD AND BEVERAGE MANAGEMENT

### Bachelor of Science

As a Food and Beverage Manager, you are responsible for the total management of a food service operation. In this program, you will combine classroom, hands-on laboratory, and cooperative education experience. You will learn staff selection and training, menu planning, purchasing and inventory control, coordination of marketing activities, dining room management, bar management, and the overall management of a food service operation. With completion of this program, you will have the knowledge and skills essential for a position as a general food service manager, restaurant and dining room manager, bar manager, wine or beer distribution representative, wine steward, banquet and catering director, catering and event director/coordinator, or food service owner/operator. You will also be prepared for a range of employment opportunities—commercial and private restaurants, hotels, hospitals, deli and catering operations, schools, or corporate food settings.



Course Number	Course Title	Quarter Hours
<b>FOOD AND BEVERAGE MANAGEMENT MAJOR - 109 HOURS</b>		
CUL 101	Introduction to Food Service and Hospitality	02
CUL 110	Product Identification	02
CUL 115A	Culinary Math	04
CUL 131B	Food Safety	02
CUL 221	Purchasing and Cost Control	04
CUL 222A	Table Service	08
FBM 111	The History and Culture of Eating and Drinking	04
FBM 121	Culinary Fundamentals	06
FBM 131	Accounting for Food and Beverage Managers	04
FBM 151	Liquor Identification and Liabilities	04
FBM 221	Menu Planning and Analysis	04
FBM 231	Hospitality Financial Management	04
FBM 241	Food and Beverage Management	04
FBM 251	Introduction to Wine	04
FBM 255	Beer Styles and Service	04
FBM 261	Bar Management and Mixology	06
FBM 281	Restaurant Operations	08
FBM 331A	Hospitality Marketing	04
FBM 341	Wine and Viticulture	06



## BUSINESS ADMINISTRATION PROGRAMS - BACHELOR DEGREES

FBM	351A	Banquet Meeting and Planning	04
FBM	401	Hospitality Human Resource Management	04
FBM	441	Hospitality Ownership and Entrepreneurship	04
FBM	451A	Controlling and Analyzing Foodservice Operational Costs	04
WRK	291B	Professional Career Strategies	01
WRK	486A	Food and Beverage Management Externship	04
WRKCM	201A	Work Experience	04

### GENERAL EDUCATION REQUIREMENTS - 72 HOURS

ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
HUM	401A	Philosophy of Ethics	04
INF	113	Electronic Spreadsheets	02
INF	114A	Introduction to Database Applications	02
INF	121	Introduction to Windows	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
PSY	101	Human Relations	04
SCI	451	Environmental Science	04
SOC	201	Sociology	04
SOC	301	Social Problems	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
SPK	211	Group Dynamics	04
SPN	101	Spanish I	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

### QUARTER HOURS REQUIRED FOR GRADUATION

181



THE **CULINARY** INSTITUTE OF MICHIGAN®  
A DIVISION OF BAKER COLLEGE

## HUMAN RESOURCE MANAGEMENT

### Bachelor of Business Administration

This program offers an opportunity for students to acquire a career focused human resource management undergraduate degree with an integrative approach to understanding various human resource management functions. This program provides an intensive strategic understanding of workforce planning and development, compensations and benefits; global human resource management; and employee health and safety.



Course Number	Course Title	Quarter Hours
<b>HUMAN RESOURCE MAJOR - 41 HOURS</b>		
HRM	215A	Staffing Human Resources 04
HRM	225A	Training and Developing Human Resources 04
HRM	291	Human Resource Seminar 04
HRM	300	Compensating Human Resources 04
HRM	315A	Performance Management of Human Resources 04

HRM	401	Human Resources and Employment Law	04
HRM	435B	International Human Resource Management	04
HRM	491	Strategic Human Resource Management	04
MGT	212A	Staffing and Performance Management	04
WRK	291B	Professional Career Strategies	01

### SELECT 1 COURSE FROM THE FOLLOWING:

WRK	218	Work Experience Project	04
WRKBS	201	Work Experience	04

### BUSINESS REQUIREMENTS - 48 HOURS

ACC	121	Fundamentals of Accounting I	04
ACC	122	Fundamentals of Accounting II	04
ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
FIN	101	Personal Finance	04
FIN	301A	Principles of Finance	04
LAW	211	Business Law	04
MGT	101	Introduction to Business	04
MGT	311	Organizational Change	04
MGT	321	Management Information Systems	04
MKT	111B	Principles of Marketing	04
MTH	401	Statistical Methods	04

### GENERAL EDUCATION REQUIREMENTS - 72 HOURS

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	114A	Introduction to Database Applications	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

### SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

### SELECT 1 COURSE FROM THE FOLLOWING:

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

### MINOR REQUIREMENTS - 24 HOURS

See list of minors below.

### QUARTER HOURS REQUIRED FOR GRADUATION

185

Students interested in completing the 5 Year MBA Program must apply to the Center for Graduate Studies for acceptance in to 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.

The following minors are available with this program:

- ACCOUNTING MINOR
- COMPUTER INFORMATION SYSTEMS MINOR
- ENTREPRENEURSHIP MINOR
- FINANCE MINOR
- FLEX STUDIES MINOR
- 5 YEAR MBA MINOR
- MANAGEMENT MINOR
- MARKETING MINOR
- MEDICAL OFFICE MINOR
- NON-PROFIT MINOR
- PROJECT MANAGEMENT MINOR:
- PSYCHOLOGY MINOR
- SUPPLY CHAIN MANAGEMENT MINOR



## LEGAL STUDIES

### Legal Studies: Bachelor of Science

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, multi-cultural 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.



Course Number	Course Title	Quarter Hours
<b>LEGAL STUDIES MAJOR - 109 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
MGT 141	Principles of Management	04
PAR 101	Law, Legal Profession, and Terminology	04
PAR 111	Legal Writing, Research, and Analysis I	04
PAR 112	Legal Writing, Research, and Analysis II	04
PAR 113A	Legal Writing, Research, and Analysis III	04
PAR 131A	Law Office Technology and Ethics	04
PAR 201	Torts	04
PAR 211	Criminal Law and Procedures	04
PAR 221	Business Organizations	04
PAR 231A	Wills, Trust, and Probate Administration	04
PAR 241	Contract Law	04
PAR 291	Civil Litigation	04
PAR 321	Family Law	04
PAR 341	Elder Law	04
PAR 351	Property and Real Estate Law	04
PAR 361	Employment and Labor Law	04
PAR 371	Debtor/Creditor Law (Bankruptcy)	04
PAR 421	Administrative Law	04
PAR 431	Legal Technology and Software	04
PAR 491	Evidence (Litigation II)	04
POL 201A	American Political Systems	04
SOC 201	Sociology	04
WRK 215	Paralegal Work Experience	04
WRK 291B	Professional Career Strategies	01

### SELECT 2 COURSES FROM THE FOLLOWING:

PAR 335	Healthcare and Insurance Law	04
PAR 345	Alternative Dispute Resolution	04
PAR 435	Immigration Law	04
PAR 445	Intellectual Property Law	04

### SELECT 1 COURSE FROM THE FOLLOWING:

ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
ITP 111	American Sign Language I	04
MED 103	Medical Terminology	04

### GENERAL EDUCATION REQUIREMENTS - 72 HOURS

ENG 101	Composition I	04
ENG 102	Composition II	04
HUM 401A	Philosophy of Ethics	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 109	College Mathematics II	04
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04

### SELECT 2 COURSES FROM THE FOLLOWING:

ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
LIT 401A	Survey of English Literature	04
LIT 411	Studies in Literature	04

### SELECT 2 COURSES FROM THE FOLLOWING:

GEO 101B	World Geography I	04
GEO 102B	World Geography II	04
HIS 301	Women's Studies	04
HIS 351	World History I	04
HIS 352	World History II	04
HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
POL 401	International Relations	04
SPN 101	Spanish I	04
SPN 102	Spanish II	04
SPN 103	Spanish III	04

### SELECT 1 COURSE FROM THE FOLLOWING:

PSY 101	Human Relations	04
PSY 111	General Psychology	04

### SELECT 2 COURSES FROM THE FOLLOWING:

PSY 211	Psychology of Death and Dying	04
PSY 221	Developmental Psychology	04
PSY 231	Organizational Psychology	04
PSY 335	Human Sexuality	04
PSY 351	Adolescent Psychology	04
PSY 401	Social Psychology	04
SOC 301	Social Problems	04

### SELECT 1 COURSE FROM THE FOLLOWING:

SCI 246	Chemistry I	04
SCI 247	Chemistry II	04
SCI 321	Principles of Astronomy	04
SCI 451	Environmental Science	04

### SELECT 1 COURSE FROM THE FOLLOWING:

SPK 211	Group Dynamics	04
SPK 401A	Professional Speaking	04

### QUARTER HOURS REQUIRED FOR GRADUATION

181



**MANAGEMENT****Bachelor of Business Administration**

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, 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.



Course Number	Course Title	Quarter Hours
<b>MANAGEMENT MAJOR - 45 HOURS</b>		
BUS 211	Business Analytics	04
MGT 111	Professional Management Behavior	04
MGT 141	Principles of Management	04
MGT 212A	Staffing and Performance Management	04
MGT 221	Applied Business Analytics	04
MGT 222	Management Seminar	04
MGT 331	Applied Leadership	04
MGT 341	Globalization and Diversity	04
MGT 422	Operations Management	04
MGT 431	Strategic Management	04
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04

**BUSINESS REQUIREMENTS - 48 HOURS**

ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
FIN 301A	Principles of Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MGT 311	Organizational Change	04
MGT 321	Management Information Systems	04
MKT 111B	Principles of Marketing	04
MTH 401	Statistical Methods	04

**GENERAL EDUCATION REQUIREMENTS - 72 HOURS**

ELECT 111A	Scientific Inquiry Elective	04
ELECT 121A	Communication Elective	04
ELECT 131A	Global and Cultural Perspectives Elective	04
ELECT 131B	Global and Cultural Perspectives Elective	04
ELECT 141A	Personal and Social Environments Elective	04

ELECT 141B	Personal and Social Environments Elective	04
ENG 101	Composition I	04
ENG 102	Composition II	04
HUM 401A	Philosophy of Ethics	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 109	College Mathematics II	04
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY 101	Human Relations	04
PSY 111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK 211	Group Dynamics	04
SPK 401A	Professional Speaking	04

**MINOR REQUIREMENTS - 24 HOURS**

See list of minors below.

**QUARTER HOURS REQUIRED FOR GRADUATION 189**

Students interested in completing the 5 Year MBA Program must apply to the Center for Graduate Studies for acceptance in to 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.

The following minors are available with this program:

- ACCOUNTING MINOR
- COMPUTER INFORMATION SYSTEMS MINOR
- ENTREPRENEURSHIP MINOR
- FINANCE MINOR
- FLEX STUDIES MINOR
- 5 YEAR MBA MINOR
- MANAGEMENT MINOR
- MARKETING MINOR
- MEDICAL OFFICE MINOR
- NON-PROFIT MINOR
- PROJECT MANAGEMENT MINOR
- PSYCHOLOGY MINOR
- SUPPLY CHAIN MANAGEMENT MINOR

**MARKETING****Bachelor of Business Administration**

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 will participate in active learning and demonstrate an understanding of basic business principles using case studies, business simulations; use computer technology and demonstrate communication skills in preparing spreadsheets, writing reports, analyzing business problems, and preparing professional presentations; develop and demonstrate 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.





**Course Number Course Title Quarter Hours**

**MARKETING MAJOR - 37 HOURS**

BUS	211	Business Analytics	04
MKT	131	Personal Selling	04
MKT	241	Advertising/Digital Marketing I	04
MKT	261	Marketing Planning	04
MKT	312	Consumer Behavior	04
MKT	342	Digital Marketing II	04
MKT	352	Marketing Analytics II	04
MKT	436	Marketing Strategy and Design	04
WRK	291B	Professional Career Strategies	01
WRKBS	201	Work Experience	04

**BUSINESS REQUIREMENTS - 48 HOURS**

ACC	121	Fundamentals of Accounting I	04
ACC	122	Fundamentals of Accounting II	04
ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
FIN	101	Personal Finance	04
FIN	301A	Principles of Finance	04
LAW	211	Business Law	04
MGT	101	Introduction to Business	04
MGT	311	Organizational Change	04
MGT	321	Management Information Systems	04
MKT	111B	Principles of Marketing	04
MTH	401	Statistical Methods	04

**GENERAL EDUCATION REQUIREMENTS - 72 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	113	Electronic Spreadsheets	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**SELECT 2 COURSES FROM THE FOLLOWING:**

INF	112	Word Processing	02
INF	114A	Introduction to Database Applications	02
INF	121	Introduction to Windows	02

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**ELECTIVE CREDIT 24**  
**QUARTER HOURS REQUIRED FOR GRADUATION 181**

**SUPPLY CHAIN MANAGEMENT**

**Bachelor of Business Administration**

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 that the students will ultimately compete within. For additional information regarding this program, please visit the Baker College website at [www.baker.edu/programs](http://www.baker.edu/programs).



**Course Number Course Title Quarter Hours**

**SUPPLY CHAIN MANAGEMENT MAJOR - 45 HOURS**

CIS	313A	Intermediate Spreadsheets	04
ELECT	100A	Elective	04
ELECT	100B	Elective	04
ELECT	100C	Elective	04
ELECT	100D	Elective	04
MGT	311	Organizational Change	04
SCM	301	Procurement and Supply Chain Management	04
SCM	321	Manufacturing, Planning, and Control	04
SCM	401	Decision Modeling in Supply Chains	04
SCM	421	Advanced Topics in Supply Chain Management	04
WRK	291B	Professional Career Strategies	01

**SELECT 1 COURSE FROM THE FOLLOWING:**

WRK	301	Internship	04
WRKBS	201	Work Experience	04



## BUSINESS REQUIREMENTS - 44 HOURS

ACC	121	Fundamentals of Accounting I	04
ACC	122	Fundamentals of Accounting II	04
ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
FIN	101	Personal Finance	04
FIN	301A	Principles of Finance	04
LAW	211	Business Law	04
MGT	101	Introduction to Business	04
MGT	321	Management Information Systems	04
MKT	111B	Principles of Marketing	04
MTH	401	Statistical Methods	04

## GENERAL EDUCATION REQUIREMENTS - 68 HOURS

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	113	Electronic Spreadsheets	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

## SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

## SELECT 1 COURSE FROM THE FOLLOWING:

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

## MINOR REQUIREMENTS - 24 HOURS

See list of minors below.

**QUARTER HOURS REQUIRED FOR GRADUATION** **181**

The following minors are available with this program:

- ACCOUNTING MINOR
- COMPUTER INFORMATION SYSTEMS MINOR
- ENTREPRENEURSHIP MINOR
- FINANCE MINOR
- FLEX STUDIES MINOR
- HUMAN RESOURCE MANAGEMENT MINOR
- MARKETING MINOR
- PROJECT MANAGEMENT MINOR
- PSYCHOLOGY MINOR
- WEB DEVELOPMENT MINOR

## ELECTIVES

### GENERAL EDUCATION ELECTIVES

Course Number	Course Title	Quarter Hours
<b>COMMUNICATION ELECTIVES (Associate Degree)</b>		
<b>ELECT 120A</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04

### COMMUNICATION ELECTIVES (Bachelor Degree)

<b>ELECT 121A</b>	<b>Communication Elective</b>	
<b>ELECT 121B</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04
WRI 301A	Report Writing	04

### COMPUTER LITERACY ELECTIVES

INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 121	Introduction to Windows	02
INF 141A	Microsoft PowerPoint	02

### GLOBAL AND CULTURAL PERSPECTIVES ELECTIVES (Bachelor Degree)

<b>ELECT 131A</b>	<b>Global and Cultural Perspectives Elective</b>	
<b>ELECT 131B</b>	<b>Global and Cultural Perspectives Elective</b>	
ECN 301	International Economics	04
GEO 101B	World Geography I	04
GEO 102B	World Geography II	04
HIS 301	Women's Studies	04
HIS 351	World History I	04
HIS 352	World History II	04
HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
HUM 101B	Art and Architecture I (Antiquity to Renaissance)	04
HUM 102B	Art and Architecture II (Baroque to Modern)	04
HUM 353	Art Appreciation	02
HUM 357	Music Appreciation	02
ITP 111	American Sign Language I	04
ITP 112	American Sign Language II	04
POL 401	International Relations	04
SOC 341	Global Perspectives	04
SPN 101	Spanish I	04
SPN 102	Spanish II	04
SPN 103	Spanish III	04

### PERSONAL AND SOCIAL ENVIRONMENTS ELECTIVES (Bachelor Degree)

<b>ELECT 141A</b>	<b>Personal and Social Environments Elective</b>	
<b>ELECT 141B</b>	<b>Personal and Social Environments Elective</b>	
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
POL 201A	American Political Systems	04
PSY 211	Psychology of Death and Dying	04
PSY 221	Developmental Psychology	04
PSY 231	Organizational Psychology	04
PSY 335	Human Sexuality	04
PSY 401	Social Psychology	04
SOC 201	Sociology	04
SOC 301	Social Problems	04





**SCIENTIFIC INQUIRY ELECTIVES** (Bachelor Degree)

<b>ELECT</b>	<b>111A</b>	<b>Scientific Inquiry Elective</b>	
SCI	101C	Human Anatomy and Physiology I	05
SCI	111	Biology	05
SCI	215	Integrated Physics	04
SCI	220A	Microbiology	05
SCI	246	Chemistry I	04
SCI	251	General Physics I	04
SCI	321	Principles of Astronomy	04
SCI	451	Environmental Science	04

**For more information or to see program videos, please visit [baker.edu](http://baker.edu).**





**In the constantly changing and growing world of computers and digital technology, the computer-related career sector continues to offer a nearly unbeatable combination of employment growth, high salaries, career advancement, and job satisfaction. From the creative to the technical, many of the fastest-growing occupations require only an associate degree. For those with the right aptitude, skill, and training, demand is expected to be particularly strong in software development, database/systems administration, security, systems analysis, and support.**

Many of the courses and programs at Baker College are offered in an online delivery format. See page 153 for Baker College Online programs. Contact your campus Academic/Administrative Office for details about Online courses.

A new student may choose an "Undeclared but Degree Seeking" program. A student also may add a limited number of "Student Elected Classes" to his/her program with the approval of an Academic Advisor. Information about both of these options, including course and credit hour limitations, can be obtained in the Academic Office.

Information regarding double majors and/or minors is located on page 241. Contact your campus academic staff to discuss requirements.

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





# COMPUTER INFORMATION SYSTEMS

## UNDERGRADUATE PROGRAMS

### ASSOCIATE DEGREES

#### Associate of Applied Science

Computer Animation .....	PG. 58
Computer Programming.....	PG. 58
Digital Media Design.....	PG. 59
Digital Video Production.....	PG. 59
Information Technology .....	PG. 59
Web Development .....	PG. 60

### BACHELOR DEGREES

#### Bachelor of Science

Computer Science .....	PG. 61
Cyber Defense.....	PG. 61
Digital Media Design.....	PG. 62
Digital Video Production.....	PG. 63
Game Software Development.....	PG. 63
Information Systems.....	PG. 64
Information Technology and Security .....	PG. 65
Mobile Application Software Engineering .....	PG. 66

### ELECTIVES

Computer Information Systems Electives .....	PG. 67
General Education Electives .....	PG. 68





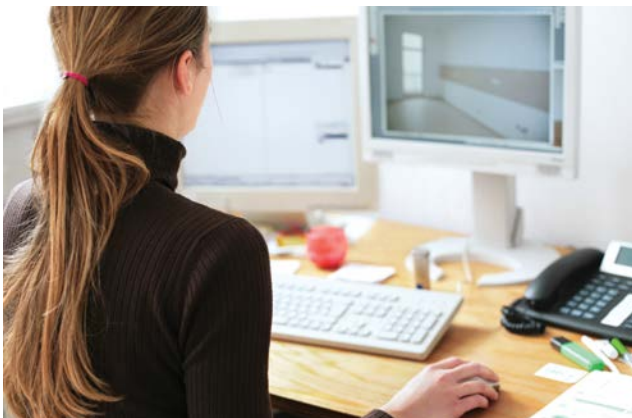


## ASSOCIATE DEGREE PROGRAMS

### COMPUTER ANIMATION

#### Associate of Applied Science Degree

Computer art and animation skills are in high demand in our media rich society. The explosive growth of the Internet, mobile devices, high definition television, and interactive media has created ongoing demand for computing specialists with art and animation skills. The Associate Degree of Computer Animation prepares students foundationally for careers that involve interactive media, Web design, digital imaging, 3D modeling and animation, and motion graphics. The program will provide students with practical skills and a portfolio of computer graphics and animation work.



Course Number	Course Title	Quarter Hours
<b>COMPUTER ANIMATION MAJOR - 67 HOURS</b>		
CAP 101	Concept and Character Development	04
CAP 111	History of Animation	02
CAP 151	Introduction to Computer Animation	04
CAP 161	Digital Imaging for Animation	04
CAP 201A	Computer Animation I	06
CAP 202	Computer Animation II	04
CAP 203	Computer Animation III	04
CAP 211	Interactive Design and Game Development	04
CAP 221	Computer Animation Portfolio Preparation	02
CAP 271	Computer Animation Portfolio Project	04
DMD 101	Introduction to Digital Media Communications	04
DMD 131	Introduction to Graphic Imaging	04
MTH 112A	College Algebra	04
WEB 111B	Introduction to HTML	04
WEB 121A	World Wide Web Design	04
WEB 201	Web Multi-Media	04
WRK 291B	Professional Career Strategies	01
WRKTC 201	Work Experience	04
<b>GENERAL EDUCATION REQUIREMENTS - 28 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 121	Introduction to Windows	02
INF 141A	Microsoft PowerPoint	02
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>95</b>

### COMPUTER PROGRAMMING

#### Associate of Applied Science Degree

Students with skills in computer science are in high demand to design and develop business information systems. Students in this program acquire skills in programming, systems analysis, and design. Instruction in multiple programming languages provides students with diverse, flexible, and employable skill sets in a variety of businesses and industries in positions such as programmers, developers, and systems analysts.



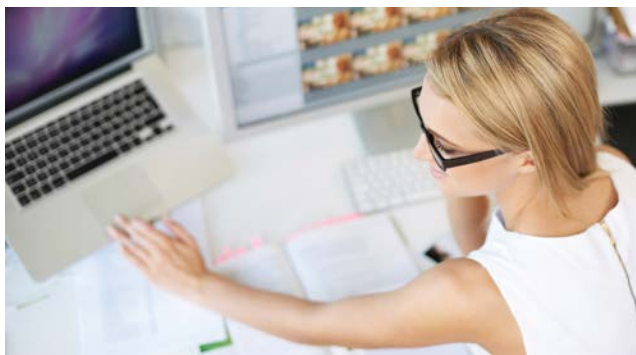
Course Number	Course Title	Quarter Hours
<b>COMPUTER PROGRAMMING MAJOR - 67 HOURS</b>		
CIS 114	Database Fundamentals	02
CIS 251	Systems Development Methods	04
CIS 303A	Computer Architecture	04
CIS 310	Visual BASIC	04
CIS 331	Database Management Using SQL	04
CS 101	Principles of Computer Science	04
CS 111	Introduction to Programming	04
CS 217A	C++ Programming	04
CS 218A	Object Oriented Programming With C++	04
CS 231	Microprocessor Electronics	04
ELECT 105A	Information Systems Elective	04
MTH 124	Trigonometry	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CIS 132A	RPG IV	04
CS 241	Java Programming	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CIS 233A	Advanced RPG IV	04
CS 242	Advanced Java Programming	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CIS 106B	Computer Operating Systems and Maintenance I	04
CIS 119A	iSeries CL and File Design	04
CS 201	Net-centric Computing	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CIS 311	Advanced Visual BASIC	04
CS 243	Applied Java Techniques	04
GSD 311	C# Programming	04
MTH 340	Discrete Mathematics	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
WRK 218	Work Experience Project	04
WRKTC 201	Work Experience	04
<b>GENERAL EDUCATION REQUIREMENTS - 30 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 121	Introduction to Windows	02
MTH 111	Introductory Algebra	04
MTH 112A	College Algebra	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>97</b>



## DIGITAL MEDIA DESIGN

### Associate of Applied Science Degree

The Digital Media Design program focuses on application of the latest concepts and technology relating to presentation of information in a creative, organized, and effective manner. Graduates with these skills have career choices in areas such as Web and graphic design, print production, marketing, and communications.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### DIGITAL MEDIA DESIGN MAJOR - 69 HOURS

DMD	101	Introduction to Digital Media Communications	04
DMD	111	Introduction to Digital Design/Illustration	04
DMD	121	Introduction to Digital Publishing	04
DMD	131	Introduction to Graphic Imaging	04
DMD	201	Typography	04
DMD	211	Corporate Branding Design	04
DMD	212	Publication Design Processes	04
DMD	213	Collaborative Design Processes	04
DMD	241	Digital Media Production Methods	04
DMD	251	Digital Media Business Practices	04
DMD	291	Portfolio Development	04
HUM	102B	Art and Architecture II (Baroque to Modern)	04
MKT	111B	Principles of Marketing	04
WEB	111B	Introduction to HTML	04
WEB	121A	World Wide Web Design	04
WEB	201	Web Multi-Media	04
WRK	291B	Professional Career Strategies	01
WRKTC	201	Work Experience	04

#### GENERAL EDUCATION REQUIREMENTS - 30 HOURS

ENG	101	Composition I	04
ENG	102	Composition II	04
INF	112	Word Processing	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

99

## DIGITAL VIDEO PRODUCTION

### Associate of Applied Science Degree

Graduates of this program have the skills to produce digital media for communication careers in corporations, education, training, and professional services. Students acquire hands-on experience with all elements of digital video production—cameras, microphones, lighting, animation, video and audio editing, eLearning design, various forms of contemporary media scripting, and production management.

Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### DIGITAL VIDEO PRODUCTION MAJOR - 65 HOURS

DMD	101	Introduction to Digital Media Communications	04
DMD	111	Introduction to Digital Design/Illustration	04
DMD	131	Introduction to Graphic Imaging	04
DMD	251	Digital Media Business Practices	04
DVP	101	Digital Media Fundamentals	04
DVP	111A	Interviewing and Script Writing	04
DVP	121	Introduction to Audio Recording	04
DVP	131	Video Field Production	04
DVP	151	Introduction to Digital Video Editing	04
DVP	201	Motion Graphics	04
DVP	211	Digital Video Production Management	04
DVP	221	eLearning Design	04
DVP	252	Intermediate Digital Video Editing	04
DVP	261A	Editing/Motion/Audio - Direct Study Lab	04
MKT	111B	Principles of Marketing	04
WRK	291B	Professional Career Strategies	01
WRKTC	201	Work Experience	04

#### GENERAL EDUCATION REQUIREMENTS - 28 HOURS

ENG	101	Composition I	04
ENG	102	Composition II	04
INF	112	Word Processing	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

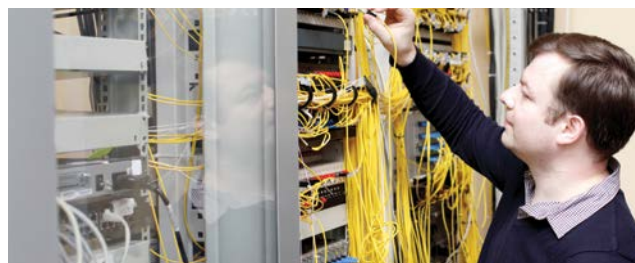
#### QUARTER HOURS REQUIRED FOR GRADUATION

93

## INFORMATION TECHNOLOGY

### Associate of Applied Science Degree

Information Technology professionals install, configure, secure, and support an organization's computing systems including: PCs and other devices, Wide Area Networks (WANs), Local Area Networks (LANs), and Internet systems. They also monitor business and company networks and perform necessary repairs and maintenance to support network availability for all system users. The Baker College Information Technology Associate Degree program provides a solid foundation for students to pursue this growing occupation while allowing the flexibility to choose an area of concentration. Foundational courses align with industry certifications including: CompTIA A+, Network+, and Security+.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### INFORMATION TECHNOLOGY REQUIREMENTS - 39 HOURS

CIS	106B	Computer Operating Systems and Maintenance I	04
CIS	114	Database Fundamentals	02
ITS	211	Introduction to Network Security	04
LUX	205	Introduction to Linux/Unix	04
MNP	201	Microsoft Windows Server Administration I	04
NET	101	Networking Essentials I	04
NET	102	Networking Essentials II	04
WRK	291B	Professional Career Strategies	01

**SELECT 1 COURSE FROM THE FOLLOWING:**

WRK	218	Work Experience Project	04
WRKTC	201	Work Experience	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

CSC	121A	Network Fundamentals	04
NET	222	Introduction to Routers and Routing	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

MNP	171A	Windows 7 Configuration	04
MNP	181	Windows 8 Configuration	04

**GENERAL EDUCATION REQUIREMENTS - 24 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
MTH	111	Introductory Algebra	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 OF THE FOLLOWING MAJORS:****CISCO MAJOR - 36 HOURS**

CSC	221B	Routing and Switching Essentials	08
CSC	231B	Scaling Networks	08
CSC	241A	Connecting Networks	08
MTH	112A	College Algebra	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

CSC	222	Cisco Wireless Networking	04
NET	211	Wireless Networking	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

CSC	223	Cisco Voice Networking	04
ELECT	107A	Information Technology Elective	04

**QUARTER HOURS REQUIRED FOR GRADUATION 99****CYBER SECURITY MAJOR - 32 HOURS**

CIS	107B	Computer Operating Systems and Maintenance II	04
CIS	331	Database Management Using SQL	04
ELECT	107A	Information Technology Elective	04
ITS	111	Introduction to Information System Security	04
ITS	221	VPN/Firewall Architecture and Management I	04
ITS	222	VPN/Firewall Architecture and Management II	04
MTH	112A	College Algebra	04
NET	211	Wireless Networking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 95****IT SUPPORT SPECIALIST MAJOR - 38 HOURS**

CIS	107B	Computer Operating Systems and Maintenance II	04
CIS	211	Information Technology Customer Service and Support	04
CIS	302A	Intermediate Database Management	04
CIS	310	Visual BASIC	04
CIS	313A	Intermediate Spreadsheets	04
CIS	314	Advanced Software Solutions	04
CIS	331	Database Management Using SQL	04
CS	111	Introduction to Programming	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	114A	Introduction to Database Applications	02

**QUARTER HOURS REQUIRED FOR GRADUATION 101****LINUX/UNIX SYSTEMS MAJOR - 32 HOURS**

CIS	107B	Computer Operating Systems and Maintenance II	04
CS	111	Introduction to Programming	04
LUX	211	Shell Programming	04
LUX	261	Linux/Unix System Administration I	04
LUX	262	Linux/Unix System Administration II	04
LUX	263	Linux/Unix System Administration III	04
LUX	269	Linux/Unix Systems Project	04
MTH	112A	College Algebra	04

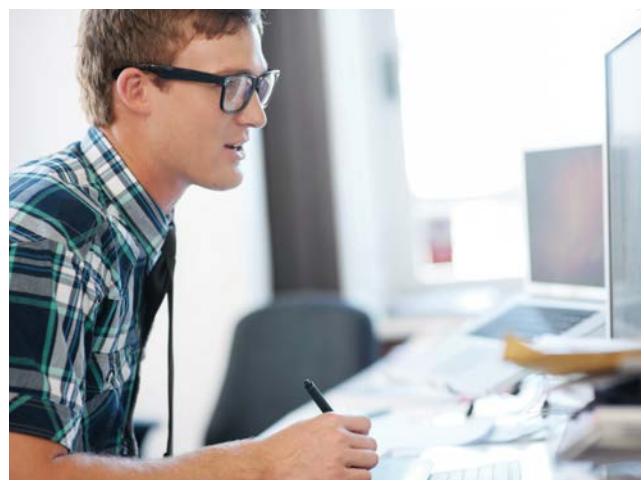
**QUARTER HOURS REQUIRED FOR GRADUATION 95****MICROSOFT MAJOR - 32 HOURS**

CIS	107B	Computer Operating Systems and Maintenance II	04
CIS	331	Database Management Using SQL	04
ELECT	107A	Information Technology Elective	04

ELECT	107B	Information Technology Elective	04
MNP	202	Microsoft Windows Server Administration II	04
MNP	203	Microsoft Windows Server Administration III	04
MTH	112A	College Algebra	04
NET	211	Wireless Networking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 95****WEB DEVELOPMENT****Associate of Applied Science Degree**

The Internet explosion has led to the creation of a new career path: the Web Developer. Web developers are the people responsible for developing and maintaining World Wide Web (WWW) sites for public and private organizations. This program includes courses in computer information systems, as well as the skills needed to develop and maintain Web pages.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**WEB DEVELOPMENT MAJOR - 71 HOURS**

CIS	114	Database Fundamentals	02
CIS	310	Visual BASIC	04
CIS	331	Database Management Using SQL	04
CS	111	Introduction to Programming	04
DMD	131	Introduction to Graphic Imaging	04
ITS	111	Introduction to Information System Security	04
LUX	205	Introduction to Linux/Unix	04
WEB	111B	Introduction to HTML	04
WEB	121A	World Wide Web Design	04
WEB	131	Web Development I	04
WEB	132	Web Development II	04
WEB	201	Web Multi-Media	04
WEB	211	Web Scripting	04
WEB	221	Interactive Web Design	04
WEB	222	Internet Commerce	04
WEB	231	Server-side Programming	04
WEB	241	ActionScript Programming	04
WRK	291B	Professional Career Strategies	01

**SELECT 1 COURSE FROM THE FOLLOWING:**

WRK	218	Work Experience	04
WRKTC	201	Work Experience	04

**GENERAL EDUCATION REQUIREMENTS - 26 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 97**





## BACHELOR DEGREE PROGRAMS

### COMPUTER SCIENCE

#### Bachelor of Science

This program prepares students for a career in computer software development. Students will acquire skills in software development, Internet communications, and database administration, as well as foundational knowledge in the field of computer science.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### COMPUTER SCIENCE MAJOR - 131 HOURS

CIS	114	Database Fundamentals	02
CIS	251	Systems Development Methods	04
CIS	303A	Computer Architecture	04
CIS	310	Visual BASIC	04
CIS	311	Advanced Visual BASIC	04
CIS	331	Database Management Using SQL	04
CIS	403	Systems Development Project	04
CIS	404	Advanced Computer Architecture	04
CS	101	Principles of Computer Science	04
CS	111	Introduction to Programming	04
CS	201	Net-centric Computing	04
CS	217A	C++ Programming	04
CS	218A	Object Oriented Programming With C++	04
CS	231	Microprocessor Electronics	04
CS	321	Data Structures and Algorithms I	04
CS	322	Data Structures and Algorithms II	04
CS	341	Programming for Mobile Devices	04
CS	422A	Database Programming I	04
CS	451	Unit Testing and Interfaces	04
CS	481	Trends in Computer Science	04
EGR	111	Technical Communications for Engineering Sciences	04
ELECT	105A	Information Systems Elective	04
ELECT	105B	Information Systems Elective	04
ELECT	105C	Information Systems Elective	04
GSD	311	C# Programming	04
MTH	124	Trigonometry	04
MTH	141A	Calculus I	04
MTH	142	Calculus II	04
MTH	143	Calculus III	04
MTH	261	Linear Algebra	04
MTH	340	Discrete Mathematics	04
MTH	401	Statistical Methods	04
WRK	291B	Professional Career Strategies	01
WRKTC	201	Work Experience	04

#### GENERAL EDUCATION REQUIREMENTS - 64 HOURS

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	121B	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04

HUM	401A	Philosophy of Ethics	04
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

195

### CYBER DEFENSE

#### Bachelor of Science

This program prepares graduates for career opportunities in information technology and security with a concentration in cyber defense. Protection of multiple platform hardware, software, networking, and operating systems is considered an integral part of any business' information technology topology. Information technology specialists work in healthcare, business, information systems, technical, and engineering fields. Cyber defense technologists' possess the necessary skills to identify, correct, and defend against internal and external threats as well as other problematic issues relative to an organizations computing and networking infrastructure on a multiple platform topology.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### CYBER DEFENSE MAJOR - 139 HOURS

CIS	106B	Computer Operating Systems and Maintenance I	04
CIS	107B	Computer Operating Systems and Maintenance II	04
CIS	114	Database Fundamentals	02
CIS	331	Database Management Using SQL	04
ELECT	107A	Information Technology Elective	04
ELECT	107B	Information Technology Elective	04
ELECT	107C	Information Technology Elective	04
ITS	211	Introduction to Network Security	04
ITS	305	Security Policies and Auditing	04
ITS	315	Information Systems Threat Assessment	04
ITS	321	Legal and Ethical Issues in Information Technology	04
ITS	331	Designing for Security	04
ITS	341	Scripting for Network Administrators	04
ITS	421	Tactical Perimeter Defense	04
ITS	491	Information Security Research and Design Project	04
LUX	205	Introduction to Linux/Unix	04
LUX	211	Shell Programming	04
LUX	261	Linux/Unix System Administration I	04
LUX	262	Linux/Unix System Administration II	04
LUX	263	Linux/Unix System Administration III	04
MNP	201	Microsoft Windows Server Administration I	04
MNP	202	Microsoft Windows Server Administration II	04
MNP	203	Microsoft Windows Server Administration III	04
MNP	431	Designing and Implementing a Server Infrastructure	04
MNP	432	Implementing an Advanced Server Infrastructure	04
NET	101	Networking Essentials I	04
NET	102	Networking Essentials II	04



NET	211	Wireless Networking	04
NET	222	Introduction to Routers and Routing	04
NET	224	Advanced Routers and Routing	04
NET	226A	Designing Internetwork Solutions	04
PPM	301	Project Management	04
WRK	291B	Professional Career Strategies	01
WRK	301	Internship	04
WRKTC	201	Work Experience	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

MNP	171A	Windows 7 Configuration	04
MNP	181	Windows 8 Configuration	04

**GENERAL EDUCATION REQUIREMENTS - 60 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 199****DIGITAL MEDIA DESIGN****Bachelor of Science**

This program is designed for students who want to combine graphic communication proficiency with a special focus on digital video production. Technical courses emphasize the creative development of concepts and ideas using a variety of graphic art and Web design media. Students also complete a sequence of digital video production courses that range from storyboarding through the final phases of filming, editing, and DVD development. Skills developed in related areas such as marketing, advertising, sales, and public relations are essential to success in today's fast-paced and highly competitive graphic design and digital media businesses.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**DIGITAL MEDIA DESIGN MAJOR - 117 HOURS**

BUS	211	Business Analytics	04
DMD	101	Introduction to Digital Media Communications	04
DMD	111	Introduction to Digital Design/Illustration	04
DMD	121	Introduction to Digital Publishing	04
DMD	131	Introduction to Graphic Imaging	04
DMD	201	Typography	04
DMD	211	Corporate Branding Design	04
DMD	212	Publication Design Processes	04
DMD	213	Collaborative Design Processes	04
DMD	241	Digital Media Production Methods	04
DMD	251	Digital Media Business Practices	04
DMD	291	Portfolio Seminar	04
DMD	301	Intermediate Graphic Imaging	04
DMD	311	Advanced Graphic Imaging	04
DMD	331	Integrated Media Design	04
DMD	401	Multi-Media Production I	04
DMD	402	Multi-Media Production II	04
DMD	411	Graphic Presentation	04
MKT	111B	Principles of Marketing	04
MKT	131	Personal Selling	04
MKT	241	Advertising/Digital Marketing I	04
MKT	261	Marketing Planning	04
MKT	342	Digital Marketing II	04
WEB	111B	Introduction to HTML	04
WEB	121A	World Wide Web Design	04
WEB	201	Web Multi-Media	04
WEB	241	ActionScript Programming	04
WRK	291B	Professional Career Strategies	01
WRK	301	Internship	04
WRKTC	201	Work Experience	04

**GENERAL EDUCATION REQUIREMENTS - 72 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	102B	Art and Architecture II (Baroque to Modern)	04
HUM	401A	Philosophy of Ethics	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
SPK	401A	Professional Speaking	04
WRI	115	Workplace Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**



## DIGITAL VIDEO PRODUCTION

### Bachelor of Science

Graduates of this program have the skills to produce digital media for communication careers in corporations, education, training, and professional services. Students acquire hands-on experience with all elements of digital video production—cameras, microphones, lighting, animation, video and audio editing, eLearning design, various forms of contemporary media scripting, and production management.



Course Number	Course Title	Quarter Hours
<b>DIGITAL VIDEO PRODUCTION MAJOR - 129 HOURS</b>		
DMD 101	Introduction to Digital Media Communications	04
DMD 111	Introduction to Digital Design/Illustration	04
DMD 121	Introduction to Digital Publishing	04
DMD 131	Introduction to Graphic Imaging	04
DMD 201	Typography	04
DMD 211	Corporate Branding Design	04
DMD 212	Publication Design Processes	04
DMD 213	Collaborative Design Processes	04
DMD 251	Digital Media Business Practices	04
DMD 301	Intermediate Graphic Imaging	04
DMD 311	Advanced Graphic Imaging	04
DMD 331	Integrated Media Design	04
DMD 401	Multi-Media Production I	04
DMD 411	Graphic Presentation	04
DVP 101	Digital Media Fundamentals	04
DVP 111A	Interviewing and Script Writing	04
DVP 121	Introduction to Audio Recording	04
DVP 131	Video Field Production	04
DVP 151	Introduction to Digital Video Editing	04
DVP 201	Motion Graphics	04
DVP 211	Digital Video Production Management	04
DVP 221	eLearning Design	04
DVP 252	Intermediate Digital Video Editing	04
MKT 111B	Principles of Marketing	04
MKT 131	Personal Selling	04
MKT 241	Advertising/Digital Marketing	04
WEB 111B	Introduction to HTML	04
WEB 121A	World Wide Web Design	04
WEB 201	Web Multi-Media	04
WRK 291B	Professional Career Strategies	01
WRK 301	Internship	04
WRKTC 201	Work Experience	04

### SELECT 1 COURSE FROM THE FOLLOWING:

DMD 291	Portfolio Seminar	04
DVP 261A	Editing/Motion/Audio - Direct Study Lab	04

### GENERAL EDUCATION REQUIREMENTS - 68 HOURS

ELECT 111A	Scientific Inquiry Elective	04
ELECT 121A	Communication Elective	04
ELECT 131A	Global and Cultural Perspectives Elective	04
ELECT 141A	Personal and Social Environments Elective	04
ELECT 141B	Personal and Social Environments Elective	04
ENG 101	Composition I	04
ENG 102	Composition II	04
HUM 102B	Art and Architecture II (Baroque to Modern)	04
HUM 401A	Philosophy of Ethics	04

INF 112	Word Processing	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 109	College Mathematics II	04
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04
SPK 401A	Professional Speaking	04
WRI 115	Workplace Communication	04

### SELECT 1 COURSE FROM THE FOLLOWING:

PSY 101	Human Relations	04
PSY 111	General Psychology	04

### QUARTER HOURS REQUIRED FOR GRADUATION

197

## GAME SOFTWARE DEVELOPMENT

### Bachelor of Science

This program is designed to immerse students in the core knowledge of software engineering emphasizing animation and gaming development. This program will focus on leading programming technologies and will prepare students for entry level positions in the computer gaming industry. A comprehensive approach will carry students from modeling, through animation and game programming, to the senior design project.



Course Number	Course Title	Quarter Hours
<b>GAME SOFTWARE DEVELOPMENT MAJOR - 111 HOURS</b>		
CIS 114	Database Fundamentals	02
CIS 251	Systems Development Methods	04
CIS 310	Visual BASIC	04
CIS 311	Advanced Visual BASIC	04
CIS 331	Database Management Using SQL	04
CS 101	Principles of Computer Science	04
CS 111	Introduction to Programming	04
CS 217A	C++ Programming	04
CS 218A	Object Oriented Programming With C++	04
CS 321	Data Structures and Algorithms I	04
CS 322	Data Structures and Algorithms II	04
GSD 301	Game Scripting	04
GSD 311	C# Programming	04
GSD 321	Game Console Design	04
GSD 331	Application Security Practices	04
GSD 341	Flash Game Development	04
GSD 401	3-D Character Design	04
GSD 411	3-D Character Animation	04
GSD 421	Artificial Intelligence	04
GSD 431	Game Programming I	04
GSD 432	Game Programming II	04
GSD 499	Senior Design Project in Game Software Development	04
MTH 124	Trigonometry	04
MTH 340	Discrete Mathematics	04
PPM 301	Project Management	04
WEB 111B	Introduction to HTML	04
WEB 201	Web Multi-Media	04
WRK 291B	Professional Career Strategies	01
WRK 301	Internship	04



**GENERAL EDUCATION REQUIREMENTS - 70 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	121B	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ELECT	161A	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	121	Introduction to Windows	02
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 181****INFORMATION SYSTEMS****Bachelor of Science**

Information Systems (IS) professionals serve as strategic liaisons between administrative and technological functions of an organization. IS professionals integrate business processes and complex information technology while serving as consultants, designers, or implementers of new solutions that assist an organization in achieving goals. Related occupations include Information Systems Manager, Chief Information Officer, Project Manager, Computer Systems Analyst, and Systems Administrator.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**INFORMATION SYSTEMS MAJOR - 87 HOURS**

CIS	106B	Computer Operating Systems and Maintenance I	04
CIS	114	Database Fundamentals	02
CIS	331	Database Management Using SQL	04
CIS	351	System Modeling and Design	04
CIS	421B	Database Administration I	04
CIS	431	Enterprise Architecture	04
CIS	441	IS Strategy, Management and Acquisition	04
CIS	495	Special Topics in Information Systems	04
CIS	499	Senior Project in Information Systems	04
CS	111	Introduction to Programming	04
CS	422A	Database Programming I	04
ITS	211	Introduction to Network Security	04
ITS	321	Legal and Ethical Issues in Information Technology	04
MTH	401	Statistical Methods	04
NET	101	Networking Essentials I	04
NET	102	Networking Essentials II	04

PPM	301	Project Management	04
PPM	311	Project Planning	04
PPM	401	Project Cost and Budget Management	04
WRK	291B	Professional Career Strategies	01
WRKTC	201	Work Experience	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

CS	217A	C++ Programming	04
CS	241	Java Programming	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

CS	218A	Object Oriented Programming With C++	04
CS	242	Advanced Java Programming	04

**BUSINESS REQUIREMENTS - 20 HOURS**

ACC	121	Fundamentals of Accounting I	04
BUS	211	Business Analytics	04
MGT	101	Introduction to Business	04
MGT	141	Principles of Management	04
MGT	321	Management Information Systems	04

**GENERAL EDUCATION REQUIREMENTS - 64 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	121B	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
PSY	231	Organizational Psychology	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**SELECT 1 OF THE FOLLOWING MINORS:****ACCOUNTING MINOR - 24 HOURS**

ACC	122	Fundamentals of Accounting II	04
ACC	241	Accounting Concepts	04
ACC	301	Intermediate Accounting I	04

**SELECT 3 COURSES FROM THE FOLLOWING:**

ACC	231	Computerized Accounting	04
ACC	251	Payroll Accounting	04
ACC	302	Intermediate Accounting II	04
ACC	303	Intermediate Accounting III	04
ACC	312B	Business Entities Taxation	04
ACC	331A	Cost Accounting	04
ACC	341B	Individual Taxation	04

**QUARTER HOURS REQUIRED FOR GRADUATION 195****HEALTHCARE INFORMATICS MINOR - 24 HOURS**

CIS	371	Introduction to Healthcare Informatics	04
CIS	451	Advanced Healthcare Informatics	04
HSC	111	Introduction to Healthcare	04
HSC	312	Health Law and Regulations	04
MED	103	Medical Terminology	04
MED	171	Electronic Medical Records	04

**QUARTER HOURS REQUIRED FOR GRADUATION 195****INFORMATION ASSURANCE MINOR - 28 HOURS**

ITS	305	Security Policies and Auditing	04
ITS	315	Information Systems Threat Assessment	04
ITS	325	Securing Systems	04
ITS	405	Internet and Web Security	04
ITS	415	Firewall Concepts	04
ITS	425	Computer Forensics and Investigation	04
ITS	435	Disaster Recovery	04

**QUARTER HOURS REQUIRED FOR GRADUATION 199**

**MANAGEMENT MINOR - 24 HOURS****SELECT 6 COURSES FROM THE FOLLOWING:**

MGT	212A	Staffing and Performance Management	04
MGT	221	Applied Business Analytics	04
MGT	222	Management Seminar	04
MGT	250	Conflict Management	04
MGT	311	Organizational Change	04
MGT	331	Applied Leadership	04
MGT	341	Globalization and Diversity	04
MGT	350	Services Management	04
MGT	405	Contemporary Management Strategies	04
MGT	422	Operations Management	04
MGT	442	Global Management	04

**QUARTER HOURS REQUIRED FOR GRADUATION 195****5 YEAR MSIS PROGRAM - 16 HOURS**

BUS	615	Human Behavior Management of Organizations	04
BUS	678	Research and Statistics for Managers	04
MIS	511	Management Information Systems	04
MIS	521	Information Systems Project Management	04

**QUARTER HOURS REQUIRED FOR GRADUATION 187****WEB DEVELOPMENT MINOR - 24 HOURS**

WEB	111B	Introduction to HTML	04
WEB	131	Web Development I	04
WEB	211	Web Scripting	04
WEB	221	Interactive Web Design	04

**SELECT 2 COURSES FROM THE FOLLOWING:**

WEB	121A	World Wide Web Design	04
WEB	132	Web Development II	04
WEB	201	Web Multi-Media	04
WEB	222	Internet Commerce	04
WEB	231	Server-Side Programming	04
WEB	241	ActionScript Programming	04

**QUARTER HOURS REQUIRED FOR GRADUATION 195****INFORMATION TECHNOLOGY AND SECURITY****Bachelor of Science**

This program prepares graduates for career opportunities in information technology and security technology as network administrators, system analysts, or similar positions. Employees with information technology and security knowledge are considered an integral part of many business' information technology teams. Information technology professionals work in healthcare, business, information systems, technical, and engineering fields. They possess the skills to manage information technology teams as well as handle the technical aspects of the network infrastructure.

**Course Number Course Title Quarter Hours****INFORMATION TECHNOLOGY REQUIREMENTS - 71 HOURS**

CIS	106B	Computer Operating Systems and Maintenance I	04
CIS	114	Database Fundamentals	02
ITS	211	Introduction to Network Security	04
ITS	321	Legal and Ethical Issues in Information Technology	04
ITS	331	Designing for Security	04
ITS	341	Scripting for Network Administrators	04
ITS	421	Tactical Perimeter Defense	04
ITS	491	Information Security Research and Design Project	04
LUX	205	Introduction to Linux/Unix	04
MTH	401	Statistical Methods	04
MNP	201	Microsoft Windows Server Administration I	04
NET	101	Networking Essentials I	04
NET	102	Networking Essentials II	04
PPM	301	Project Management	04
WRK	291B	Professional Career Strategies	01
WRKTC	201	Work Experience	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

CSC	121B	Introduction to Networks	04
NET	222	Introduction to Routers and Routing	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

CSC	222	Cisco Wireless Networking	04
NET	211	Wireless Networking	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

MNP	171A	Windows 7 Configuration	04
MNP	181	Windows 8 Configuration	04

**GENERAL EDUCATION REQUIREMENTS - 60 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**SELECT 1 OF THE FOLLOWING MAJORS:****CISCO NETWORK ADMINISTRATION MAJOR - 52 HOURS**

CSC	221B	Routing and Switching Essentials	08
CSC	231B	Scaling Networks	08
CSC	241A	Connecting Networks	08
NET	301	Building Multi-Layer Switched Networks	04
NET	311	Building Scalable Internetworks	08
NET	321A	Implementing Secure Converged Wide Area Networks	04
NET	401	Internetwork Troubleshooting	04
NET	441A	Securing Networks with Firewalls	04
NET	421A	Internetwork Design Project	04

**QUARTER HOURS REQUIRED FOR GRADUATION 183****CISCO NETWORK PROFESSIONAL MAJOR - 56 HOURS**

CSC	221B	Routing and Switching Essentials	08
CSC	231B	Scaling Networks	08
CSC	241A	Connecting Networks	08
CSC	301	Cisco Healthcare IT	04
CSC	331	CCNA Security	06
CSC	421	CCNP Route	06
CSC	431	CCNP Switch	06
CSC	441	CCNP Tshoot	06
ITS	305	Security Policies and Auditing	04

**QUARTER HOURS REQUIRED FOR GRADUATION 187**

**INFORMATION ASSURANCE MAJOR - 52 HOURS**

ELECT	107A	Information Technology Elective	04
ELECT	107B	Information Technology Elective	04
ELECT	107C	Information Technology Elective	04
ELECT	107D	Information Technology Elective	04
ELECT	107E	Information Technology Elective	04
ELECT	107F	Information Technology Elective	04
ITS	305	Security Policies and Auditing	04
ITS	315	Information Systems Threat Assessment	04
ITS	325	Securing Systems	04
ITS	405	Internet and Web Security	04
ITS	415	Firewall Concepts	04
ITS	425	Computer Forensics and Investigation	04
ITS	435	Disaster Recovery	04

**QUARTER HOURS REQUIRED FOR GRADUATION 183****INTERNETWORKING ADMINISTRATION MAJOR - 52 HOURS**

CIS	107B	Computer Operating Systems and Maintenance II	04
ELECT	107A	Information Technology Elective	04
ELECT	107B	Information Technology Elective	04
ELECT	107C	Information Technology Elective	04
NET	224	Advanced Routers and Routing	04
NET	226A	Designing Internetwork Solutions	04
NET	301	Building Multi-Layer Switched Networks	04
NET	311	Building Scalable Internetworks	08
NET	321A	Implementing Secure Converged Wide Area Networks	04
NET	401	Internetwork Troubleshooting	04
NET	411A	Securing Networks with Firewalls	04
NET	421A	Internetwork Design Project	04

**QUARTER HOURS REQUIRED FOR GRADUATION 183****MICROSOFT SYSTEM ADMINISTRATION MAJOR - 52 HOURS**

CIS	107B	Computer Operating Systems and Maintenance II	04
CIS	331	Database Management Using SQL	04
ELECT	107A	Information Technology Elective	04
ELECT	107B	Information Technology Elective	04
ELECT	107C	Information Technology Elective	04
ELECT	107D	Information Technology Elective	04
ELECT	107E	Information Technology Elective	04
ITS	305	Security Policies and Auditing	04
ITS	315	Information Systems Threat Assessment	04
MNP	202	Microsoft Windows Server Administration II	04
MNP	203	Microsoft Windows Server Administration III	04
MNP	431	Designing and Implementing a Server Infrastructure	04
MNP	432	Implementing an Advanced Server Infrastructure	04

**QUARTER HOURS REQUIRED FOR GRADUATION 183****MOBILE APPLICATION SOFTWARE ENGINEERING****Bachelor of Science**

Computer software engineers design and develop software by applying the theories and principles of computer science and mathematical analysis to create, test, and evaluate the software applications and systems that make computers work. In this program, students will acquire skills in software application development focusing on solutions for mobile devices across multiple platforms including Android, iOS (Apple) and Windows.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**MOBILE APPLICATION SOFTWARE ENGINEERING MAJOR - 131 HOURS**

CIS	114	Database Fundamentals	02
CIS	251	Systems Development Methods	04
CIS	331	Database Management Using SQL	04
CS	101	Principles of Computer Science	04
CS	111	Introduction to Programming	04
CS	201	Net-centric Computing	04
CS	217A	C++ Programming	04
CS	218A	Object Oriented Programming With C++	04
CS	231	Microprocessor Electronics	04
CS	241	Java Programming	04
CS	242	Advanced Java Programming	04
CS	321	Data Structures and Algorithms I	04
CS	322	Data Structures and Algorithms II	04
CS	341	Programming for Mobile Devices	04
CS	351	Introduction to Android Mobile SDK and Application Development	04
CS	352	Advanced Android Mobile Application Development	04
CS	371	Introduction to iOS Mobile SDK and Application Development	04
CS	372	Advanced iOS Mobile Application Development	04
CS	401	Introduction to Windows Mobile SDK and Application Development	04
CS	402	Advanced Windows Mobile Application Development	04
CS	422A	Database Programming I	04
CS	451	Unit Testing and Interfaces	04
CS	481	Trends in Computer Science	04
CS	495	Mobile Application Development Capstone	04
EGR	111	Technical Communications for Engineering Sciences	04
GSD	311	C# Programming	04
MTH	124	Trigonometry	04
MTH	141A	Calculus I	04
MTH	142	Calculus II	04
MTH	143	Calculus III	04
MTH	261	Linear Algebra	04
MTH	340	Discrete Mathematics	04
WRK	291B	Professional Career Strategies	01
WRKTC	201	Work Experience	04

**GENERAL EDUCATION REQUIREMENTS - 64 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	121B	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 195**





## ELECTIVES

### COMPUTER INFORMATION SYSTEMS ELECTIVES

Course Number	Course Title	Quarter Hours
<b>INFORMATION SYSTEMS ELECTIVES</b>		
<b>ELECT 105A</b>	<b>Information Systems Elective</b>	
<b>ELECT 105B</b>	<b>Information Systems Elective</b>	
<b>ELECT 105C</b>	<b>Information Systems Elective</b>	
CIS 119A	iSeries CL and File Design	04
CIS 132A	RPG IV	04
CIS 233A	Advanced RPG IV	04
CIS 311	Advanced Visual BASIC	04
CIS 404	Advanced Computer Architecture	04
CIS 421B	Database Administration I	04
CIS 422	Database Administration II	04
CS 241	Java Programming	04
CS 242	Advanced Java Programming	04
CS 346	Programming for Security	04
CS 391	Research in Computer Science	04
CS 406	Operating System Development	04
CS 422A	Database Programming I	04
CS 423	Database Programming II	04
DMD 131	Introduction to Graphic Imaging	04
SPN 103	Spanish III	04
WEB 111B	Introduction to HTML	04
WEB 121A	World Wide Web Design	04
WEB 131	Web Development I	04
WEB 132	Web Development II	04
WEB 201	Web MultiMedia	04
WEB 211	Web Scripting	04
WEB 221	Interactive Web Design	04
WEB 241	ActionScript Programming	04

### INFORMATION TECHNOLOGY ELECTIVES

<b>ELECT 107A</b>	<b>Information Technology Elective</b>	
<b>ELECT 107B</b>	<b>Information Technology Elective</b>	
<b>ELECT 107C</b>	<b>Information Technology Elective</b>	
<b>ELECT 107D</b>	<b>Information Technology Elective</b>	
<b>ELECT 107E</b>	<b>Information Technology Elective</b>	
<b>ELECT 107F</b>	<b>Information Technology Elective</b>	
CIS 211	Information Technology Customer Service and Support	04
CSC 221B	Routing and Switching Essentials	08
CSC 222	Cisco Wireless Networking	04
CSC 223	Cisco Voice Networking	04
CSC 231B	Scaling Networks	08
CSC 241A	Connecting Networks	08
CSC 301	Cisco Healthcare IT	04
EET 111A	Electrical Technology	04
EET 115D	DC Circuits	04
EET 136	Digital Circuits I	04
EET 216	Digital Circuits II	04
ITS 111	Introduction to Information System Security	04
ITS 221	VPN/Firewall Architecture and Management I	04
ITS 222	VPN/Firewall Architecture and Management II	04
ITS 341	Scripting for Network Administrators	04
LUX 211	Shell Programming	04
LUX 261	Linux/Unix System Administration I	04
LUX 262	Linux/Unix System Administration II	04
LUX 263	Linux/Unix System Administration III	04
MNP 202	Microsoft Windows Server Administration II	04
MNP 203	Microsoft Windows Server Administration III	04
MNP 211	Configuring Windows Server 2008 Active Directory	04
MNP 221	Configuring Windows Server 2008 Network Infrastructure	04
MNP 231	Administering Windows Server 2008	04
MNP 301	Implementing and Maintaining Microsoft SQL Server	04
MNP 311	Configuring Microsoft Office Sharepoint Server	04
MNP 321	Configuring Microsoft Exchange Server	04
MNP 401	Configuring Windows Server 2008 Applications Infrastructure	04

MNP 411	Windows Server 2008 Enterprise Administrator	04
NET 211	Wireless Networking	04
NET 224	Advanced Routers and Routing	04
NET 226A	Designing Internetwork Solutions	04
VCP 201	VMware vSphere: Install, Configure, Manage	04
VCP 202	VMware View: Install, Configure, Manage	04
VCP 211	VMware vSphere: Troubleshooting	04
VCP 212	VMware vSphere: Manage for Performance and Security	04



**GENERAL EDUCATION ELECTIVES**

Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**COMMUNICATION ELECTIVES** (Associate Degree)**ELECT 120A** Communication Elective

ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	411	Foundations of Mass Communication	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
WRI	115	Workplace Communication	04

**COMMUNICATION ELECTIVES** (Bachelor Degree)**ELECT 121A** Communication Elective**ELECT 121B** Communication Elective

ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	411	Foundations of Mass Communication	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

**COMPUTER LITERACY ELECTIVES****ELECT 161A** Computer Literacy Elective**ELECT 161B** Computer Literacy Elective**ELECT 161C** Computer Literacy Elective

INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	114A	Introduction to Database Applications	02
INF	121	Introduction to Windows	02
INF	141A	Microsoft PowerPoint	02

**GLOBAL AND CULTURAL PERSPECTIVES ELECTIVES** (Bachelor Degree)**ELECT 131A** Global and Cultural Perspectives Elective**ELECT 131B** Global and Cultural Perspectives Elective

ECN	301	International Economics	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04

HIS	301	Women's Studies	04
HIS	351	World History I	04
HIS	352	World History II	04
HIS	353	World History III	04
HIS	354	World History IV	04
HIS	411	Emerging Nations	04
HUM	101B	Art and Architecture I (Antiquity to Renaissance)	04
HUM	102B	Art and Architecture II (Baroque to Modern)	04
HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
ITP	111	American Sign Language I	04
ITP	112	American Sign Language II	04
POL	401	International Relations	04
SOC	341	Global Perspectives	04
SPN	101	Spanish I	04
SPN	102	Spanish II	04
SPN	103	Spanish III	04

**PERSONAL AND SOCIAL ENVIRONMENTS ELECTIVES** (Bachelor Degree)**ELECT 141A** Personal and Social Environments Elective**ELECT 141B** Personal and Social Environments Elective

ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
POL	201A	American Political Systems	04
PSY	211	Psychology of Death and Dying	04
PSY	221	Developmental Psychology	04
PSY	231	Organizational Psychology	04
PSY	335	Human Sexuality	04
PSY	401	Social Psychology	04
SOC	201	Sociology	04
SOC	301	Social Problems	04

**SCIENTIFIC INQUIRY ELECTIVES** (Bachelor Degree)**ELECT 111A** Scientific Inquiry Elective

SCI	101C	Human Anatomy and Physiology I	05
SCI	111	Biology	05
SCI	215	Integrated Physics	04
SCI	220A	Microbiology	05
SCI	246	Chemistry I	04
SCI	251	General Physics I	04
SCI	321	Principles of Astronomy	04
SCI	451	Environmental Science	04

For more information or to see program videos, please visit [baker.edu](http://baker.edu).







## BAKER COLLEGE SCHOOL *of* EDUCATION

**There's significantly higher demand for educators who specialize in certain areas, such as early childhood education and math, as well as those with licenses in multiple subjects. Salary, advancement, and job satisfaction increase with each additional certification and degree.**

Many of the courses and programs at Baker College are offered in an online delivery format. See page 153 for Baker College Online programs. Contact your campus Academic/Administrative Office for details about Online courses.

A new student may choose an "Undeclared but Degree Seeking" program. A student also may add a limited number of "Student Elected Classes" to his/her program with the approval of an Academic Advisor. Information about both of these options, including course and credit hour limitations, can be obtained in the Academic Office.

Information regarding double majors and/or minors is located on page 241. Contact your campus Education staff to discuss requirements.

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

Baker College Centers for Excellence in Education (located on the Clinton Township, Muskegon, and Owosso campuses) offer all Education programs in their entirety. Students may complete, at minimum, the first two years of any Education program at these campus locations: Allen Park, Auburn Hills, Cadillac, Flint, and Jackson. Education programs started on one of these campuses may then be completed by attending classes at one of the Centers of Excellence, or through a combination of attending a Center of Excellence, online coursework, or distance learning.

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. Teacher Education Accreditation Council (TEAC): [www.teac.org](http://www.teac.org). Council for the Accreditation of Educator Preparation (CAEP): [www.caepnet.org](http://www.caepnet.org).



# SCHOOL OF EDUCATION

## UNDERGRADUATE PROGRAMS

### BACHELOR DEGREES

#### Bachelor of Science in Education

##### *Elementary Teacher Preparation Majors:*

Early Childhood ZS (General & Special Education) .....	PG. 72
Language Arts .....	PG. 72
Mathematics .....	PG. 73
Social Studies .....	PG. 74

##### *Secondary Teacher Preparation Majors:*

English/History Minor .....	PG. 74
English/Mathematics Major .....	PG. 75
English/Mathematics Minor .....	PG. 76
English/Social Studies Major .....	PG. 76
Mathematics/English Minor .....	PG. 77
Mathematics/History Minor .....	PG. 77
Mathematics/Social Studies Major .....	PG. 78
Social Studies/English Minor .....	PG. 79
Social Studies/Mathematics Minor .....	PG. 79



### POSTBACCALAUREATE CERTIFICATES

#### Level Change

##### *Early Childhood and Elementary Endorsements:*

Elementary Education .....	PG. 80
Elementary Education and Early Childhood Education .....	PG. 81

##### *Secondary Endorsements:*

Secondary English .....	PG. 81
Secondary Mathematics .....	PG. 82
Secondary Social Studies .....	PG. 82

#### Additional Endorsement

##### *Elementary Education Endorsements:*

Early Childhood ZA to ZS .....	PG. 83
Early Childhood ZS (General & Special Education) .....	PG. 83
Elementary History .....	PG. 83
Elementary Language Arts .....	PG. 84
Elementary Mathematics .....	PG. 84
Elementary Social Studies .....	PG. 84

##### *Secondary Education Endorsements:*

Secondary English .....	PG. 85
Secondary History .....	PG. 85
Secondary Mathematics .....	PG. 85
Secondary Social Studies .....	PG. 86

### ELECTIVES

General Education Electives .....	PG. 86
-----------------------------------	--------



## BACHELOR DEGREE PROGRAMS

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

#### Bachelor of Science in 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 graduating and passing the required state tests, students will be eligible to apply for certification.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### EARLY CHILDHOOD ZS MAJOR - 53 HOURS

ECE	111B	Early Childhood Development	04
ECE	141A	Creative Activities	04
ECE	165	Observation and Assessment Techniques for Early Childhood Education Programs	04
ECE	171A	Language Development and Language Arts	04
ECE	201C	Infant and Toddler Development and Curriculum	04
ECE	201CL	Infant and Toddler Development and Curriculum Lab	01
ECE	211A	Developing Anti-Bias Curriculum	04
ECE	221B	Math, Science, and Technology for Early Childhood	04
ECE	231	Guidance and Discipline	04
ECE	251	Developing Curriculum for Early Childhood	04
ECE	281	Parents and Teachers: Partners in Education	04
ECE	461	Early Assessment and Referral	04
ECE	491	Senior Seminar: Early Childhood Education	04
EDU	371	Early Childhood Education ZS Practicum	04

#### COMPREHENSIVE MAJOR - 75 HOURS

ENG	211A	Structures of English	05
ENG	321	Language Arts and Linguistic Foundations	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HIS	231	Michigan History	04
HIS	311	Social Studies Foundations	04
HSC	341	Health, Physical Education, and Nutrition for Elementary Teachers	04
HUM	351A	Visual and Performing Arts for Elementary Educators	04
LIT	321A	Children's Literature	04
MTH	211A	Number Concepts for Educators	04
MTH	212A	Geometric and Statistical Concepts for Educators	04
MTH	371	Probability and Statistics for Educators	04
MTH	421A	Math Technology for Educators	04
POL	201A	American Political Systems	04
SCI	351	Science Foundations I: Chemistry and Life Science	05
SCI	352	Science Foundations II: Astronomy, Earth Science, and Physics	05
SCI	451	Environmental Science	04
SPK	205	Oral Interpretation of Literature	04

#### PROFESSIONAL EDUCATION REQUIREMENTS - 61 HOURS

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	321A	Theory and Principles of Reading Instruction	04
EDU	330	The Exceptional Learner	04

EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	421A	Reading in the Content Areas	05
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	451A	Theory and Techniques: Elementary Language Arts and Social Studies	04
EDU	452	Theory and Techniques: Elementary Mathematics and Science	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

#### GENERAL EDUCATION REQUIREMENTS - 32 HOURS

ENG	101	Composition I	04
ENG	102	Composition II	04
HIS	201	United States History to 1865	04
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
SPK	201	Oral Communication	04

#### SELECT ONE COURSE FROM THE FOLLOWING:

ITP	111	American Sign Language I	04
SPN	101	Spanish I	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

221

### ELEMENTARY TEACHER PREPARATION LANGUAGE ARTS

#### Bachelor of Science in 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 kindergarten through grade 5, in kindergarten through grade 8 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.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### LANGUAGE ARTS MAJOR - 57 HOURS

ENG	211A	Structures of English	05
ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	411	Foundations of Mass Communication	04
ENG	492	Senior Seminar: Language Arts	04
LIT	321A	Children's Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
LIT	401A	Survey of English Literature	04
LIT	405	Literature for Young Adults	04
SPK	201	Oral Communication	04
SPK	205	Oral Interpretation of Literature	04
SPK	211	Group Dynamics	04



**PROFESSIONAL EDUCATION REQUIREMENTS - 61 HOURS**

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	321A	Theory and Principles of Reading Instruction	04
EDU	330	The Exceptional Learner	04
EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	421A	Reading in the Content Areas	05
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	451A	Theory and Techniques: Elementary Language Arts and Social Studies	04
EDU	452	Theory and Techniques: Elementary Mathematics and Science	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

**GENERAL EDUCATION REQUIREMENTS - 48 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HIS	201	United States History to 1865	04
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
MTH	371	Probability and Statistics for Educators	04
POL	201A	American Political Systems	04
SOC	321	Cultural Diversity	04

**SELECT ONE COURSE FROM THE FOLLOWING:**

ITP	111	American Sign Language I	04
SPN	101	Spanish I	04

**ELEMENTARY STUDIES MINOR (REQUIRED) - 34 HOURS**

ENG	321	Language Arts and Linguistic Foundations	04
HIS	311	Social Studies Foundations	04
HSC	341	Health, Physical Education, and Nutrition for Elementary Teachers	04
HUM	351A	Visual and Performing Arts for Elementary Educators	04
MTH	211A	Number Concepts for Educators	04
MTH	212A	Geometric and Statistical Concepts for Educators	04
SCI	351	Science Foundations I: Chemistry and Life Science	05
SCI	352	Science Foundations II: Astronomy, Earth Science, and Physics	05

**QUARTER HOURS REQUIRED FOR GRADUATION** **200****ELEMENTARY TEACHER PREPARATION  
MATHEMATICS****Bachelor of Science in 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 kindergarten through grade 5, in kindergarten through grade 8 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.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**MATHEMATICS MAJOR - 45 HOURS**

MTH	124	Trigonometry	04
MTH	140	Pre-Calculus	05
MTH	141	Calculus I	04
MTH	211A	Number Concepts for Educators	04
MTH	315A	Algebraic Thinking and Proportional Reasoning	04
MTH	331	Geometry for Elementary Teachers	04
MTH	340	Discrete Mathematics	04
MTH	371	Probability and Statistics for Educators	04
MTH	411A	Reasoning and Proof for Elementary Educators	04
MTH	421A	Math Technology for Educators	04
MTH	491	Senior Seminar: Elementary Mathematics	04

**PROFESSIONAL EDUCATION REQUIREMENTS - 61 HOURS**

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	321A	Theory and Principles of Reading Instruction	04
EDU	330	The Exceptional Learner	04
EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	421A	Reading in the Content Areas	05
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	451A	Theory and Techniques: Elementary Language Arts and Social Studies	04
EDU	452	Theory and Techniques: Elementary Mathematics and Science	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

**GENERAL EDUCATION REQUIREMENTS - 44 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HIS	201	United States History to 1865	04
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	112A	College Algebra	04
POL	201A	American Political Systems	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**SELECT ONE COURSE FROM THE FOLLOWING:**

ITP	111	American Sign Language I	04
SPN	101	Spanish I	04

**ELEMENTARY STUDIES MINOR (REQUIRED) - 30 HOURS**

ENG	321	Language Arts and Linguistic Foundations	04
HIS	311	Social Studies Foundations	04
HSC	341	Health, Physical Education, and Nutrition for Elementary Teachers	04
HUM	351A	Visual and Performing Arts for Elementary Educators	04
LIT	321A	Children's Literature	04
SCI	351	Science Foundations I: Chemistry and Life Science	05
SCI	352	Science Foundations II: Astronomy, Earth Science, and Physics	05

**QUARTER HOURS REQUIRED FOR GRADUATION** **180**



## ELEMENTARY TEACHER PREPARATION SOCIAL STUDIES

### Bachelor of Science in 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 kindergarten through grade 5, in kindergarten through grade 8 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.



Course Number Course Title Quarter Hours

#### SOCIAL STUDIES MAJOR - 62 HOURS

ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HIS	201	United States History to 1865	04
HIS	202	United States History Since 1865	04
HIS	231	Michigan History	04
HIS	351	World History I	04
HIS	352	World History II	04
HIS	353	World History III	04
HIS	354	World History IV	04
HIS	411	Emerging Nations	04
HIS	491A	Senior Seminar: History and Social Studies	04
POL	201A	American Political Systems	04
POL	401	International Relations	04
SOC	211	Service Learning Project	02

#### PROFESSIONAL EDUCATION REQUIREMENTS - 61 HOURS

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	321A	Theory and Principles of Reading Instruction	04
EDU	330	The Exceptional Learner	04
EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	421A	Reading in the Content Areas	05
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	451A	Theory and Techniques: Elementary Language Arts and Social Studies	04
EDU	452	Theory and Techniques: Elementary Mathematics and Science	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

#### GENERAL EDUCATION REQUIREMENTS - 36 HOURS

ENG	101	Composition I	04
ENG	102	Composition II	04
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
MTH	371	Probability and Statistics for Educators	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

#### SELECT ONE COURSE FROM THE FOLLOWING:

ITP	111	American Sign Language I	04
SPN	101	Spanish I	04

#### ELEMENTARY STUDIES MINOR - 38 HOURS

ENG	321	Language Arts and Linguistic Foundations	04
HIS	311	Social Studies Foundations	04
HSC	341	Health, Physical Education, and Nutrition for Elementary Teachers	04
HUM	351A	Visual and Performing Arts for Elementary Educators	04
LIT	321A	Children's Literature	04
MTH	211A	Number Concepts for Educators	04
MTH	212A	Geometric and Statistical Concepts for Educators	04
SCI	351	Science Foundations I: Chemistry and Life Science	05
SCI	352	Science Foundations II: Astronomy, Earth Science, and Physics	05

#### QUARTER HOURS REQUIRED FOR GRADUATION

197

## SECONDARY TEACHER PREPARATION ENGLISH/HISTORY MINOR

### Bachelor of Science in 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 his/her major and minor subjects in grades 6 through 12. Students complete the English major and the history minor. Upon graduating and passing the required state tests, students will be eligible to apply for certification.



Course Number Course Title Quarter Hours

#### ENGLISH MAJOR - 45 HOURS

ENG	211A	Structures of English	05
ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	491	Senior Seminar: English	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
LIT	401A	Survey of English Literature	04
LIT	405	Literature for Young Adults	04
LIT	411	Studies in Literature	04

#### PROFESSIONAL EDUCATION REQUIREMENTS - 58 HOURS

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	330	The Exceptional Learner	04
EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	425	Literacy Education in the Secondary School	06
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	462A	Theory and Techniques of Instruction: English (6-12)	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

#### SELECT 1 COURSE FROM THE FOLLOWING

EDU	461A	Theory and Techniques of Instruction: Mathematics (6-12)	04
EDU	464A	Theory and Techniques of Instruction: Social Studies (6-12)	04

**GENERAL EDUCATION REQUIREMENTS - 52 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
MTH	371	Probability and Statistics for Educators	04
POL	201A	American Political Systems	04
SCI	451	Environmental Science	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**HISTORY MINOR - 42**

HIS	201	United States History to 1865	04
HIS	202	United States History Since 1865	04
HIS	231	Michigan History	04
HIS	351	World History I	04
HIS	352	World History II	04
HIS	353	World History III	04
HIS	354	World History IV	04
HIS	411	Emerging Nations	04
HIS	491A	Senior Seminar: History and Social Studies	04
POL	401	International Relations	04
SOC	211	Service Learning Project	02

**QUARTER HOURS REQUIRED FOR GRADUATION** **197**

## SECONDARY TEACHER PREPARATION ENGLISH/MATHEMATICS MAJOR

**Bachelor of Science in 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 his/her majors in grades 6 through 12. Students complete the English and mathematics majors. Upon graduating and passing the required state tests, students will be eligible to apply for certification.



**Course Number**      **Course Title**      **Quarter Hours**

**ENGLISH MAJOR - 45 HOURS**

ENG	211A	Structures of English	05
ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	491	Senior Seminar: English	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
LIT	401A	Survey of English Literature	04
LIT	405	Literature for Young Adults	04
LIT	411	Studies in Literature	04

**MATHEMATICS MAJOR - 53 HOURS**

MTH	124	Trigonometry	04
MTH	140	Pre-Calculus	05
MTH	141	Calculus I	04
MTH	142	Calculus II	04
MTH	143	Calculus III	04
MTH	244	Calculus IV	04
MTH	261	Linear Algebra	04
MTH	340	Discrete Mathematics	04
MTH	351	Modern Algebra	04
MTH	371	Probability and Statistics for Educators	04
MTH	431	Foundations of College Geometry	04
MTH	451	Introduction to Real Analysis	04
MTH	492	Senior Seminar: Secondary Mathematics	04

**PROFESSIONAL EDUCATION REQUIREMENTS - 58 HOURS**

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	330	The Exceptional Learner	04
EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	425	Literacy Education in the Secondary School	06
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	462A	Theory and Techniques of Instruction: English (6-12)	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

**SELECT 1 COURSE FROM THE FOLLOWING**

EDU	461A	Theory and Techniques of Instruction: Mathematics (6-12)	04
EDU	464A	Theory and Techniques of Instruction: Social Studies (6-12)	04

**GENERAL EDUCATION REQUIREMENTS - 44 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	112A	College Algebra	04
POL	201A	American Political Systems	04
SCI	451	Environmental Science	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**QUARTER HOURS REQUIRED FOR GRADUATION** **200**





## SECONDARY TEACHER PREPARATION ENGLISH/MATHEMATICS MINOR

### Bachelor of Science in 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 his/her major and minor subjects in grades 6 through 12. Students complete the English major and the mathematics minor. Upon graduating and passing the required state tests, students will be eligible to apply for certification.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### ENGLISH MAJOR - 45 HOURS

ENG	211A	Structures of English	05
ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	491	Senior Seminar: English	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
LIT	401A	Survey of English Literature	04
LIT	405	Literature for Young Adults	04
LIT	411	Studies in Literature	04

#### PROFESSIONAL EDUCATION REQUIREMENTS - 58 HOURS

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	330	The Exceptional Learner	04
EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	425	Literacy Education in the Secondary School	06
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	462A	Theory and Techniques of Instruction: English (6-12)	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

#### SELECT 1 COURSE FROM THE FOLLOWING

EDU	461A	Theory and Techniques of Instruction: Mathematics (6-12)	04
EDU	464A	Theory and Techniques of Instruction: Social Studies (6-12)	04

#### GENERAL EDUCATION REQUIREMENTS - 44 HOURS

ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	112A	College Algebra	04
POL	201A	American Political Systems	04
SCI	451	Environmental Science	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

#### MATHEMATICS MINOR - 45 HOURS

MTH	124	Trigonometry	04
MTH	140	Pre-Calculus	05
MTH	141	Calculus I	04
MTH	142	Calculus II	04
MTH	143	Calculus III	04
MTH	261	Linear Algebra	04
MTH	340	Discrete Mathematics	04
MTH	351	Modern Algebra	04
MTH	371	Probability and Statistics for Educators	04
MTH	431	Foundations of College Geometry	04
MTH	492	Senior Seminar: Secondary Mathematics	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

192

## SECONDARY TEACHER PREPARATION ENGLISH/SOCIAL STUDIES MAJOR

### Bachelor of Science in 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 his/her majors in grades 6 through 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.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### ENGLISH MAJOR - 45 HOURS

ENG	211A	Structures of English	05
ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	491	Senior Seminar: English	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
LIT	401A	Survey of English Literature	04
LIT	405	Literature for Young Adults	04
LIT	411	Studies in Literature	04

#### SOCIAL STUDIES MAJOR - 50 HOURS

ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
HIS	201	United States History to 1865	04
HIS	202	United States History Since 1865	04
HIS	231	Michigan History	04
HIS	351	World History I	04
HIS	352	World History II	04
HIS	353	World History III	04
HIS	354	World History IV	04
HIS	411	Emerging Nations	04
HIS	491A	Senior Seminar: History and Social Studies	04
POL	401	International Relations	04
SOC	211	Service Learning Project	02

**PROFESSIONAL EDUCATION REQUIREMENTS - 58 HOURS**

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	330	The Exceptional Learner	04
EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	425	Literacy Education in the Secondary School	06
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	462A	Theory and Techniques of Instruction: English (6-12)	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

**SELECT 1 COURSE FROM THE FOLLOWING**

EDU	461A	Theory and Techniques of Instruction: Mathematics (6-12)	04
EDU	464A	Theory and Techniques of Instruction: Social Studies (6-12)	04

**GENERAL EDUCATION REQUIREMENTS - 52 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
MTH	371	Probability and Statistics for Educators	04
POL	201A	American Political Systems	04
SCI	451	Environmental Science	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**QUARTER HOURS REQUIRED FOR GRADUATION** **205**

## SECONDARY TEACHER PREPARATION MATHEMATICS/ENGLISH MINOR

**Bachelor of Science in 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 his/her major and minor subjects in grades 6 through 12. Students complete the mathematics major and the English minor. Upon graduating and passing the required state tests, students will be eligible to apply for certification.



Course Number	Course Title	Quarter Hours
MATHEMATICS MAJOR - 53 HOURS		
MTH 124	Trigonometry	04
MTH 140	Pre-Calculus	05
MTH 141	Calculus I	04
MTH 142	Calculus II	04
MTH 143	Calculus III	04
MTH 244	Calculus IV	04
MTH 261	Linear Algebra	04
MTH 340	Discrete Mathematics	04
MTH 351	Modern Algebra	04
MTH 371	Probability and Statistics for Educators	04
MTH 431	Foundations of College Geometry	04
MTH 451	Introduction to Real Analysis	04
MTH 492	Senior Seminar: Secondary Mathematics	04

**PROFESSIONAL EDUCATION REQUIREMENTS - 58 HOURS**

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	330	The Exceptional Learner	04
EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	425	Literacy Education in the Secondary School	06
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	461A	Theory and Techniques of Instruction: Mathematics (6-12)	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

**SELECT 1 COURSE FROM THE FOLLOWING**

EDU	462A	Theory and Techniques of Instruction: English (6-12)	04
EDU	464A	Theory and Techniques of Instruction: Social Studies (6-12)	04

**GENERAL EDUCATION REQUIREMENTS - 44 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	112A	College Algebra	04
POL	201A	American Political Systems	04
SCI	451	Environmental Science	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**ENGLISH MINOR - 33 HOURS**

ENG	211A	Structures of English	05
ENG	221	Critical Writing and Literary Analysis	04
ENG	491	Senior Seminar: English	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
LIT	401A	Survey of English Literature	04
LIT	405	Literature for Young Adults	04

**QUARTER HOURS REQUIRED FOR GRADUATION** **188**

## SECONDARY TEACHER PREPARATION MATHEMATICS/HISTORY MINOR

**Bachelor of Science in 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 his/her major and minor subjects in grades 6 through 12. Students complete the mathematics major and the history minor. Upon graduating and passing the required state tests, students will be eligible to apply for certification.





Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**MATHEMATICS MAJOR - 53 HOURS**

MTH	124	Trigonometry	04
MTH	140	Pre-Calculus	05
MTH	141	Calculus I	04
MTH	142	Calculus II	04
MTH	143	Calculus III	04
MTH	244	Calculus IV	04
MTH	261	Linear Algebra	04
MTH	340	Discrete Mathematics	04
MTH	351	Modern Algebra	04
MTH	371	Probability and Statistics for Educators	04
MTH	431	Foundations of College Geometry	04
MTH	451	Introduction to Real Analysis	04
MTH	492	Senior Seminar: Secondary Mathematics	04

**PROFESSIONAL EDUCATION REQUIREMENTS - 58 HOURS**

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	330	The Exceptional Learner	04
EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	425	Literacy Education in the Secondary School	06
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	461A	Theory and Techniques of Instruction: Mathematics (6-12)	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

**SELECT 1 COURSE FROM THE FOLLOWING**

EDU	462A	Theory and Techniques of Instruction: English (6-12)	04
EDU	464A	Theory and Techniques of Instruction: Social Studies (6-12)	04

**GENERAL EDUCATION REQUIREMENTS - 48 HOURS**

ENG	121A	Communication Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	112A	College Algebra	04
POL	201A	American Political Systems	04
SCI	451	Environmental Science	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**HISTORY MINOR - 42**

HIS	201	United States History to 1865	04
HIS	202	United States History Since 1865	04
HIS	231	Michigan History	04
HIS	351	World History I	04
HIS	352	World History II	04
HIS	353	World History III	04
HIS	354	World History IV	04
HIS	411	Emerging Nations	04
HIS	491A	Senior Seminar: History and Social Studies	04
POL	401	International Relations	04
SOC	211	Service Learning Project	02

<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>	<b>201</b>
--	------------

## SECONDARY TEACHER PREPARATION MATHEMATICS/SOCIAL STUDIES MAJOR

**Bachelor of Science in 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 his/her majors in grades 6 through 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.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**MATHEMATICS MAJOR - 53 HOURS**

MTH	124	Trigonometry	04
MTH	140	Pre-Calculus	05
MTH	141	Calculus I	04
MTH	142	Calculus II	04
MTH	143	Calculus III	04
MTH	244	Calculus IV	04
MTH	261	Linear Algebra	04
MTH	340	Discrete Mathematics	04
MTH	351	Modern Algebra	04
MTH	371	Probability and Statistics for Educators	04
MTH	431	Foundations of College Geometry	04
MTH	451	Introduction to Real Analysis	04
MTH	492	Senior Seminar: Secondary Mathematics	04

**SOCIAL STUDIES MAJOR - 50 HOURS**

ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
HIS	201	United States History to 1865	04
HIS	202	United States History Since 1865	04
HIS	231	Michigan History	04
HIS	351	World History I	04
HIS	352	World History II	04
HIS	353	World History III	04
HIS	354	World History IV	04
HIS	411	Emerging Nations	04
HIS	491A	Senior Seminar: History and Social Studies	04
POL	401	International Relations	04
SOC	211	Service Learning Project	02

**PROFESSIONAL EDUCATION REQUIREMENTS - 58 HOURS**

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	330	The Exceptional Learner	04
EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	425	Literacy Education in the Secondary School	06
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	461A	Theory and Techniques of Instruction: Mathematics (6-12)	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

**SELECT 1 COURSE FROM THE FOLLOWING**

EDU	462A	Theory and Techniques of Instruction: English (6-12)	04
EDU	464A	Theory and Techniques of Instruction: Social Studies (6-12)	04



**GENERAL EDUCATION REQUIREMENTS - 44 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	112A	College Algebra	04
POL	201A	American Political Systems	04
SCI	451	Environmental Science	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**QUARTER HOURS REQUIRED FOR GRADUATION** **205**

## SECONDARY TEACHER PREPARATION SOCIAL STUDIES/ENGLISH MINOR

### Bachelor of Science in 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 his/her major and minor subjects in grades 6 through 12. Students complete the social studies major and the English minor. Upon graduating and passing the required state tests, students will be eligible to apply for certification.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**SOCIAL STUDIES MAJOR - 50 HOURS**

ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
HIS	201	United States History to 1865	04
HIS	202	United States History Since 1865	04
HIS	231	Michigan History	04
HIS	351	World History I	04
HIS	352	World History II	04
HIS	353	World History III	04
HIS	354	World History IV	04
HIS	411	Emerging Nations	04
HIS	491A	Senior Seminar: History and Social Studies	04
POL	401	International Relations	04
SOC	211	Service Learning Project	02

**PROFESSIONAL EDUCATION REQUIREMENTS - 58 HOURS**

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	330	The Exceptional Learner	04
EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	425	Literacy Education in the Secondary School	06
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	464A	Theory and Techniques of Instruction:	
		Social Studies (6-12)	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

**SELECT 1 COURSE FROM THE FOLLOWING**

EDU	461A	Theory and Techniques of Instruction:	
		Mathematics (6-12)	04
EDU	464A	Theory and Techniques of Instruction:	
		English (6-12)	04

**GENERAL EDUCATION REQUIREMENTS - 52 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
MTH	371	Probability and Statistics for Educators	04
POL	201A	American Political Systems	04
SCI	451	Environmental Science	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**ENGLISH MAJOR - 33 HOURS**

ENG	211A	Structures of English	05
ENG	221	Critical Writing and Literary Analysis	04
ENG	491	Senior Seminar: English	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
LIT	401A	Survey of English Literature	04
LIT	405	Literature for Young Adults	04

**QUARTER HOURS REQUIRED FOR GRADUATION** **193**

## SECONDARY TEACHER PREPARATION SOCIAL STUDIES/MATHEMATICS MINOR

### Bachelor of Science in 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 his/her major and minor subjects in grades 6 through 12. Students complete the social studies major and the mathematics minor. Upon graduating and passing the required state tests, students will be eligible to apply for certification.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**SOCIAL STUDIES MAJOR - 50 HOURS**

ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
HIS	201	United States History to 1865	04
HIS	202	United States History Since 1865	04
HIS	231	Michigan History	04
HIS	351	World History I	04
HIS	352	World History II	04
HIS	353	World History III	04
HIS	354	World History IV	04
HIS	411	Emerging Nations	04
HIS	491A	Senior Seminar: History and Social Studies	04
POL	401	International Relations	04
SOC	211	Service Learning Project	02

**PROFESSIONAL EDUCATION REQUIREMENTS - 58 HOURS**

EDU	200A	Introduction to Professional Education Experiences	04
EDU	312A	Educational Psychology	04
EDU	330	The Exceptional Learner	04
EDU	346A	Integrating Technology into 21st Century Learning	04
EDU	351	Instructional Design and Assessment	04
EDU	425	Literacy Education in the Secondary School	06
EDU	441A	Classroom Management	04
EDU	445A	Educational Foundations	02
EDU	464A	Theory and Techniques of Instruction:	
		Social Studies (6-12)	04
EDU	481A	Directed Teaching I	12
EDU	482A	Directed Teaching II	06

**SELECT 1 COURSE FROM THE FOLLOWING**

EDU	461A	Theory and Techniques of Instruction:	
		Mathematics (6-12)	04
EDU	464A	Theory and Techniques of Instruction:	
		English (6-12)	04

**GENERAL EDUCATION REQUIREMENTS - 48 HOURS**

ELECT	121A	Communication Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	112A	College Algebra	04
POL	201A	American Political Systems	04
SCI	451	Environmental Science	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**MATHEMATICS MINOR - 45 HOURS**

MTH	124	Trigonometry	04
MTH	140	Pre-Calculus	05
MTH	141	Calculus I	04
MTH	142	Calculus II	04
MTH	143	Calculus III	04
MTH	261	Linear Algebra	04
MTH	340	Discrete Mathematics	04
MTH	351	Modern Algebra	04
MTH	371	Probability and Statistics for Educators	04
MTH	431	Foundations of College Geometry	04
MTH	492	Senior Seminar: Secondary Mathematics	04

**QUARTER HOURS REQUIRED FOR GRADUATION 201****POSTBACCALAUREATE CERTIFICATES****ELEMENTARY EDUCATION - LEVEL CHANGE****Postbaccalaureate Certificate**

This program provides teachers with the knowledge and skills needed to add an elementary endorsement to an existing Michigan Secondary Teaching Certificate, allowing the holder 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 test, students will be eligible to apply for the endorsement.

*Program Requirements: Bachelor Degree*

Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**ELEMENTARY STUDIES REQUIREMENTS - 38 HOURS**

ENG	321	Language Arts and Linguistic Foundations	04
HIS	311	Social Studies Foundations	04
HSC	341	Health, Physical Education, and Nutrition for Elementary Teachers	04
HUM	351A	Visual and Performing Arts for Elementary Educators	04
LIT	321A	Children's Literature	04
MTH	211A	Number Concepts for Educators	04
MTH	212A	Geometric and Statistical Concepts for Educators	04
SCI	351	Science Foundations I: Chemistry and Life Science	05
SCI	352	Science Foundations II: Astronomy, Earth Science, and Physics	05

**PROFESSIONAL EDUCATION REQUIREMENTS - 23 HOURS**

EDU	321A	Theory and Principles of Reading Instruction	04
EDU	421A	Reading in the Content Areas	05
EDU	451A	Theory and Techniques:	
		Elementary Language Arts and Social Studies	04
EDU	452	Theory and Techniques:	
		Elementary Mathematics and Science	04
EDU	482A	Directed Teaching II	06

**QUARTER HOURS REQUIRED FOR GRADUATION 61**



## ELEMENTARY EDUCATION AND EARLY CHILDHOOD EDUCATION - LEVEL CHANGE

### Postbaccalaureate Certificate

This program provides teachers with the knowledge and skills needed to add both an elementary and an early childhood endorsement to an 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 comprehensive and early childhood ZS majors (General and Special Education), 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 test, students will be eligible to apply for the endorsements.

*Program Requirements: Bachelor Degree*



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

### EARLY CHILDHOOD STUDIES REQUIREMENTS - 53 HOURS

ECE	111B	Early Childhood Development	04
ECE	141A	Creative Activities	04
ECE	165	Observation and Assessment Techniques for Early Childhood Education Programs	04
ECE	171A	Language Development and Language Arts	04
ECE	201C	Infant and Toddler Development and Curriculum	04
ECE	201CL	Infant and Toddler Development and Curriculum Lab	01
ECE	211A	Developing Anti-Bias Curriculum	04
ECE	221B	Math, Science, and Technology for Early Childhood	04
ECE	231	Guidance and Discipline	04
ECE	251	Developing Curriculum for Early Childhood	04
ECE	281	Parents and Teachers: Partners in Education	04
ECE	461	Early Assessment and Referral	04
ECE	491	Senior Seminar: Early Childhood Education	04
EDU	371	Early Childhood Education ZS Practicum	04

### ELEMENTARY STUDIES REQUIREMENTS - 38 HOURS

ENG	321	Language Arts and Linguistic Foundations	04
HIS	311	Social Studies Foundations	04
HSC	341	Health, Physical Education, and Nutrition for Elementary Teachers	04
HUM	351A	Visual and Performing Arts for Elementary Educators	04
LIT	321A	Children's Literature	04
MTH	211A	Number Concepts for Educators	04
MTH	212A	Geometric and Statistical Concepts for Educators	04
SCI	351	Science Foundations I: Chemistry and Life Science	05
SCI	352	Science Foundations II: Astronomy, Earth Science, and Physics	05

### PROFESSIONAL EDUCATION REQUIREMENTS - 23 HOURS

EDU	321A	Theory and Principles of Reading Instruction	04
EDU	421A	Reading in the Content Areas	05
EDU	451A	Theory and Techniques: Elementary Language Arts and Social Studies	04
EDU	452	Theory and Techniques: Elementary Mathematics and Science	04
EDU	482A	Directed Teaching II	06
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>			<b>114</b>

## SECONDARY ENGLISH - LEVEL CHANGE

### Postbaccalaureate Certificate

This program provides teachers with the knowledge and skills needed to add a secondary English endorsement to an existing Michigan Elementary Teaching Certificate, allowing the holder 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 test, students will be eligible to apply for the endorsement.

*Program Requirements: Bachelor Degree*



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

### ENGLISH REQUIREMENTS - 45 HOURS

ENG	211A	Structures of English	05
ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	491	Senior Seminar: English	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
LIT	401A	Survey of English Literature	04
LIT	405	Literature for Young Adults	04
LIT	411	Studies in Literature	04

### PROFESSIONAL EDUCATION REQUIREMENTS - 16 HOURS

EDU	425	Literacy Education in the Secondary School	06
EDU	462A	Theory and Techniques of Instruction: English (6-12)	04
EDU	482A	Directed Teaching II	06

Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

### QUARTER HOURS REQUIRED FOR GRADUATION

**61**



**SECONDARY MATHEMATICS - LEVEL CHANGE****Postbaccalaureate Certificate**

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 test, students will be eligible to apply for the endorsement.

*Program Requirements: Bachelor Degree*



Course Number	Course Title	Quarter Hours
<b>MATHEMATICS REQUIREMENTS - 53 HOURS</b>		
MTH 124	Trigonometry	04
MTH 140	Pre-Calculus	05
MTH 141	Calculus I	04
MTH 142	Calculus II	04
MTH 143	Calculus III	04
MTH 244	Calculus IV	04
MTH 261	Linear Algebra	04
MTH 340	Discrete Mathematics	04
MTH 351	Modern Algebra	04
MTH 371	Probability and Statistics for Educators	04
MTH 431	Foundations of College Geometry	04
MTH 451	Introduction to Real Analysis	04
MTH 492	Senior Seminar: Secondary Mathematics	04
<b>PROFESSIONAL EDUCATION REQUIREMENTS - 16 HOURS</b>		
EDU 425	Literacy Education in the Secondary School	06
EDU 461A	Theory and Techniques of Instruction: Mathematics (6-12)	04
EDU 482A	Directed Teaching II	06
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>69</b>

Access additional program information at [www.baker.edu](http://www.baker.edu)

**SECONDARY SOCIAL STUDIES - LEVEL CHANGE****Postbaccalaureate Certificate**

This program provides teachers with the knowledge and skills needed to add a secondary social studies endorsement to an 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 test, students will be eligible to apply for the endorsement.

*Program Requirements: Bachelor Degree*



Course Number	Course Title	Quarter Hours
<b>SOCIAL STUDIES REQUIREMENTS - 62 HOURS</b>		
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
GEO 101B	World Geography I	04
GEO 102B	World Geography II	04
HIS 201	United States History to 1865	04
HIS 202	United States History Since 1865	04
HIS 231	Michigan History	04
HIS 351	World History I	04
HIS 352	World History II	04
HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
HIS 491A	Senior Seminar: History and Social Studies	04
POL 201A	American Political Systems	04
POL 401	International Relations	04
SOC 211	Service Learning Project	02
<b>PROFESSIONAL EDUCATION REQUIREMENTS - 16 HOURS</b>		
EDU 425	Literacy Education in the Secondary School	06
EDU 464A	Theory and Techniques of Instruction: Social Studies (6-12)	04
EDU 482A	Directed Teaching II	06
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>78</b>



## EARLY CHILDHOOD EDUCATION ZA TO ZS - ADDITIONAL ENDORSEMENT

### Postbaccalaureate Certificate

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

*Program Requirements: Possess ZA endorsement*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 15 HOURS</b>		
ECE 401	Advanced Infant/Toddler Care	04
ECE 461	Early Assessment and Referral	04
ECE 471	Early Literacy Intervention	04
EDU 475	Pre-school Practicum	03
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>15</b>

## EARLY CHILDHOOD ZS (GENERAL & SPECIAL EDUCATION) - ADDITIONAL ENDORSEMENT

### Postbaccalaureate Certificate

This program provides teachers with the knowledge and skills needed to add an early childhood ZS (General and Special Education) endorsement to an existing Michigan Elementary 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*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 58 HOURS</b>		
ECE 111B	Early Childhood Development	04
ECE 141A	Creative Activities	04
ECE 165	Observation and Assessment Techniques for Early Childhood Education Programs	04
ECE 171A	Language Development and Language Arts	04
ECE 201C	Infant and Toddler Development and Curriculum	04
ECE 201CL	Infant and Toddler Development and Curriculum Lab	01
ECE 211A	Developing Anti-Bias Curriculum	04
ECE 221B	Math, Science, and Technology for Early Childhood	04
ECE 231	Guidance and Discipline	04
ECE 251	Developing Curriculum for Early Childhood	04
ECE 281	Parents and Teachers: Partners in Education	04
ECE 461	Early Assessment and Referral	04
ECE 491	Senior Seminar: Early Childhood Education	04
EDU 371	Early Childhood Education ZS Practicum	04
EDU 476	Directed Teaching-Postbaccalaureate Early Childhood Education	05
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>58</b>

## ELEMENTARY HISTORY - ADDITIONAL ENDORSEMENT

### Postbaccalaureate Certificate

This program provides teachers with the knowledge and skills needed to add a history endorsement to an existing Michigan Provisional Elementary 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*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 42 HOURS</b>		
HIS 201	United States History to 1865	04
HIS 202	United States History Since 1865	04
HIS 231	Michigan History	04
HIS 351	World History I	04
HIS 352	World History II	04
HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
HIS 491A	Senior Seminar: History and Social Studies	04
POL 401	International Relations	04
SOC 211	Service Learning Project	02
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>42</b>



## ELEMENTARY LANGUAGE ARTS - ADDITIONAL ENDORSEMENT

### Postbaccalaureate Certificate

This program provides teachers with the knowledge and skills needed to add a language arts endorsement to an existing Michigan Provisional Elementary 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*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 57 HOURS</b>		
ENG 211A	Structures of English	05
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
ENG 492	Senior Seminar: Language Arts	04
LIT 321A	Children's Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
LIT 401A	Survey of English Literature	04
LIT 405	Literature for Young Adults	04
SPK 201	Oral Communication	04
SPK 205	Oral Interpretation of Literature	04
SPK 211	Group Dynamics	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>57</b>

## ELEMENTARY MATHEMATICS - ADDITIONAL ENDORSEMENT

### Postbaccalaureate Certificate

This program provides teachers with the knowledge and skills needed to add a mathematics endorsement to an existing Michigan Provisional Elementary 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*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 45 HOURS</b>		
MTH 124	Trigonometry	04
MTH 140	Pre-Calculus	05
MTH 141	Calculus I	04
MTH 211A	Number Concepts for Educators	04
MTH 315A	Algebraic Thinking and Proportional Reasoning	04
MTH 331	Geometry for Elementary Teachers	04
MTH 340	Discrete Mathematics	04
MTH 371	Probability and Statistics for Educators	04
MTH 411A	Reasoning and Proof for Elementary Educators	04
MTH 421A	Math Technology for Educators	04
MTH 491	Senior Seminar: Elementary Mathematics	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>45</b>

## ELEMENTARY SOCIAL STUDIES - ADDITIONAL ENDORSEMENT

### Postbaccalaureate Certificate

This program provides teachers with the knowledge and skills needed to add a social studies endorsement to an existing Michigan Provisional Elementary 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*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 62 HOURS</b>		
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
GEO 101B	World Geography I	04
GEO 102B	World Geography II	04
HIS 201	United States History to 1865	04
HIS 202	United States History Since 1865	04
HIS 231	Michigan History	04
HIS 351	World History I	04
HIS 352	World History II	04
HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
HIS 491A	Senior Seminar: History and Social Studies	04
POL 201A	American Political Systems	04
POL 401	International Relations	04
SOC 211	Service Learning Project	02
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>62</b>





## SECONDARY ENGLISH - ADDITIONAL ENDORSEMENT

### Postbaccalaureate Certificate

This program provides teachers with the knowledge and skills needed to add an English endorsement to an 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*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 45 HOURS</b>		
ENG 211A	Structures of English	05
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 491	Senior Seminar: English	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
LIT 401A	Survey of English Literature	04
LIT 405	Literature for Young Adults	04
LIT 411	Studies in Literature	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>45</b>

## SECONDARY HISTORY - ADDITIONAL ENDORSEMENT

### Postbaccalaureate Certificate

This program provides teachers with the knowledge and skills needed to add a history endorsement to an 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*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 42 HOURS</b>		
HIS 201	United States History to 1865	04
HIS 202	United States History Since 1865	04
HIS 231	Michigan History	04
HIS 351	World History I	04
HIS 352	World History II	04
HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
HIS 491A	Senior Seminar: History and Social Studies	04
POL 401	International Relations	04
SOC 211	Service Learning Project	02
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>42</b>

## SECONDARY MATHEMATICS - ADDITIONAL ENDORSEMENT

### Postbaccalaureate Certificate

This program provides teachers with the knowledge and skills needed to add a mathematics endorsement to an 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*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 53 HOURS</b>		
MTH 124	Trigonometry	04
MTH 140	Pre-Calculus	05
MTH 141	Calculus I	04
MTH 142	Calculus II	04
MTH 143	Calculus III	04
MTH 244	Calculus IV	04
MTH 261	Linear Algebra	04
MTH 340	Discrete Mathematics	04
MTH 351	Modern Algebra	04
MTH 371	Probability and Statistics for Educators	04
MTH 431	Foundations of College Geometry	04
MTH 451	Introduction to Real Analysis	04
MTH 492	Senior Seminar: Secondary Mathematics	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>53</b>



## SECONDARY SOCIAL STUDIES - ADDITIONAL ENDORSEMENT

### Postbaccalaureate Certificate

This program provides teachers with the knowledge and skills needed to add a social studies endorsement to an 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*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 62 HOURS</b>		
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
GEO 101B	World Geography I	04
GEO 102B	World Geography II	04
HIS 201	United States History to 1865	04
HIS 202	United States History Since 1865	04
HIS 231	Michigan History	04
HIS 351	World History I	04
HIS 352	World History II	04
HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
HIS 491A	Senior Seminar: History and Social Studies	04
POL 201A	American Political Systems	04
POL 401	International Relations	04
SOC 211	Service Learning Project	02
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>62</b>

## ELECTIVES

### GENERAL EDUCATION ELECTIVES

Course Number	Course Title	Quarter Hours
<b>COMMUNICATION ELECTIVES (Bachelor Degree)</b>		
<b>ELECT 121A</b>	<b>Communication Elective</b>	
<b>ELECT 121B</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04
WRI 301A	Report Writing	04

### COMPUTER LITERACY ELECTIVES

<b>ELECT 161A</b>	<b>Computer Literacy Elective</b>	
<b>ELECT 161B</b>	<b>Computer Literacy Elective</b>	
<b>ELECT 161C</b>	<b>Computer Literacy Elective</b>	
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 121	Introduction to Windows	02
INF 141A	Microsoft PowerPoint	02

### GLOBAL AND CULTURAL PERSPECTIVES ELECTIVES (Bachelor Degree)

<b>ELECT 131A</b>	<b>Global and Cultural Perspectives Elective</b>	
<b>ELECT 131B</b>	<b>Global and Cultural Perspectives Elective</b>	
ECN 301	International Economics	04
GEO 101B	World Geography I	04
GEO 102B	World Geography II	04
HIS 301	Women's Studies	04
HIS 351	World History I	04
HIS 352	World History II	04
HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
HUM 101B	Art and Architecture I (Antiquity to Renaissance)	04
HUM 102B	Art and Architecture II (Baroque to Modern)	04
HUM 353	Art Appreciation	02
HUM 357	Music Appreciation	02
ITP 111	American Sign Language I	04
ITP 112	American Sign Language II	04
POL 401	International Relations	04
SOC 341	Global Perspectives	04
SPN 101	Spanish I	04
SPN 102	Spanish II	04
SPN 103	Spanish III	04

### PERSONAL AND SOCIAL ENVIRONMENTS ELECTIVES (Bachelor Degree)

<b>ELECT 141A</b>	<b>Personal and Social Environments Elective</b>	
<b>ELECT 141B</b>	<b>Personal and Social Environments Elective</b>	
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
POL 201A	American Political Systems	04
PSY 211	Psychology of Death and Dying	04
PSY 221	Developmental Psychology	04
PSY 231	Organizational Psychology	04
PSY 335	Human Sexuality	04
PSY 351	Adolescent Psychology	04
PSY 401	Social Psychology	04
SOC 201	Sociology	04
SOC 301	Social Problems	04



**SCIENTIFIC INQUIRY ELECTIVES** (Bachelor Degree)

<b>ELECT</b>	<b>111A</b>	<b>Scientific Inquiry Elective</b>	
SCI	101C	Human Anatomy and Physiology I	05
SCI	111	Biology	05
SCI	215	Integrated Physics	04
SCI	220A	Microbiology	05
SCI	246	Chemistry I	04
SCI	251	General Physics I	04
SCI	321	Principles of Astronomy	04
SCI	451	Environmental Science	04

**For more information or to see program videos, please visit [baker.edu](http://baker.edu).**







**Forty years ago, only one out of four jobs needed more than a high school education. Today, two out of three require additional training. For instance, 60% of all manufacturing jobs require advanced training. Meanwhile, over 200,000 high-paying high-tech manufacturing jobs are unfilled across the U.S. It's the same in construction, automotive, and engineering sectors: there are hundreds of thousands of good jobs—but only for those with the right skills.**

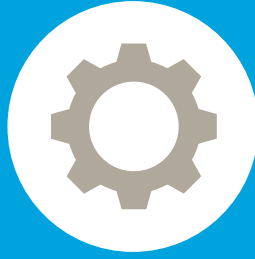
Many of the courses and programs at Baker College are offered in an online delivery format. See page 153 for Baker College Online programs. Contact your campus Academic/Administrative Office for details about Online courses.

A new student may choose an "Undeclared but Degree Seeking" program. A student also may add a limited number of "Student Elected Classes" to his/her program with the approval of an Academic Advisor. Information about both of these options, including course and credit hour limitations, can be obtained in the Academic Office.

Information regarding double majors and/or minors is located on page 241. Contact your campus academic staff to discuss requirements.

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





# ENGINEERING/TECHNOLOGY

## UNDERGRADUATE PROGRAMS

### CERTIFICATES

Autobody Technician.....	PG. 90
Automotive Services Technology.....	PG. 90
CNC Machinist.....	PG. 90
Diesel Service Technology .....	PG. 91
Heating, Ventilation, Air Conditioning Technology.....	PG. 91
Truck Driving.....	PG. 92
Water Quality Technician .....	PG. 92
Welding.....	PG. 92

### ASSOCIATE DEGREES

#### Associate of Applied Science

Advanced Manufacturing Technology .....	PG. 93
Agriculture Technology .....	PG. 93
Architectural/Construction Technology.....	PG. 94
Autobody Technician.....	PG. 94
Automotive Restoration Technology.....	PG. 94
Automotive Services Technology.....	PG. 95
Automotive Services Technology - MOPAR CAP .....	PG. 95
Computer Aided Design.....	PG. 96
Diesel Service Technology .....	PG. 96
Industrial Technology.....	PG. 97
Interior Design .....	PG. 97
Mechanical Technology .....	PG. 98
Mechatronics .....	PG. 98
Photonics and Laser Technology.....	PG. 99
Power Sports and Small Engine Technology.....	PG. 99
Water Quality Management.....	PG. 100
Welding.....	PG. 100

### BACHELOR DEGREES

#### Bachelor of Science

Architectural Technology.....	PG. 101
Civil Engineering.....	PG. 101
Construction Management .....	PG. 102
Electrical Engineering.....	PG. 103
Industrial Engineering.....	PG. 103
Industrial Technology.....	PG. 104
Interior Design .....	PG. 105
Mechanical Engineering.....	PG. 105
Service Management .....	PG. 106

### ELECTIVES

General Education Electives .....	PG. 107
Technical Electives .....	PG. 108





## CERTIFICATE PROGRAMS

### AUTOBODY TECHNICIAN

#### Certificate

The autobody technician must use specialized tools and equipment to remove dents and other damage from body panels or replace the panels entirely. Once repairs have been completed, those components or the entire vehicle must then be painted. This program prepares graduates for work in this area and includes coverage of plastic, glass, and interior repairs.

This program is accredited by the National Automotive Technicians Education Foundation (NATEF),  
13505 Dulles Technology Drive, Herndon, VA 20171-3421;  
www.natef.org



This program is accredited on the following campuses: Flint

**This program is an excellent first step to earning a Bachelor of Service Management Degree.**



Course Number	Course Title	Quarter Hours
<b>AUTOBODY TECHNICIAN MAJOR - 60 HOURS</b>		
ABT 101	Painting and Refinishing I	06
ABT 102	Painting and Refinishing II	06
ABT 103	Painting and Refinishing Practicum Lab	06
ABT 106	Introduction to Autobody	04
ABT 111	Non-Structural Damage Repair I	06
ABT 112	Non-Structural Damage Repair II	06
ABT 113	Non-Structural Damage Repair Practicum Lab	06
ABT 151	MIG Welding	05
ELECT 161A	Computer Literacy Elective	02
ENG 101	Composition I	04
MTH 108	College Mathematics I: Reasoning and Application	04
WRK 271A	Automotive Work Experience	04
WRK 291B	Professional Career Strategies	01
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>60</b>

### AUTOMOTIVE SERVICES TECHNOLOGY

#### Certificate

Automotive Service Technicians use specialized tools and equipment to diagnosis and repair automobiles and light trucks. Work is performed inside the vehicle, under the hood, and under the vehicle. While physical dexterity is required, there are some procedures that can be performed at a work bench. This program will prepare students for entry-level positions and will help prepare them to perform successfully on the certification and licensure exams required in this career path.

This program is accredited by the National Automotive Technicians Education Foundation (NATEF),  
13505 Dulles Technology Drive, Herndon, VA 20171-3421;  
www.natef.org



**This program is an excellent first step to earning a Bachelor of Service Management Degree.**



Course Number	Course Title	Quarter Hours
<b>AUTOMOTIVE SERVICES TECHNOLOGY MAJOR - 51 HOURS</b>		
AST 100A	Automotive Services Technology Elective	06
AST 100B	Automotive Services Technology Elective	06
AST 100D	Automotive Services Technical Elective	04
AST 106	Introduction to Automotive Service	04
AST 111A	Introduction to Automotive Electrical	05
AST 112B	Electrical/Electronic Systems I	05
AST 113	Electrical/Electronic Systems II	05
AST 121	Engine Repair I	04
ENG 101	Composition I	04
MTH 108	College Mathematics I: Reasoning and Application	04
WRK 271A	Automotive Work Experience	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>51</b>

### CNC MACHINIST

#### Certificate

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.



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 37 HOURS</b>		
AMT 191	Blueprint Reading for Industry	04
CNC 111	Basic Gauges and Measurements	04
CNC 121A	Machining Theory and Methods	04
CNC 131	Precision Machining Methods	04
CNC 141	CNC Theory and Operation	04
CNC 151	CNC Programming	04
ENG 101	Composition I	04
MTH 108	College Mathematics I: Reasoning and Application	04
WRK 291B	Professional Career Strategies	01
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>		
CAD 131	Introduction to Manufacturing	04
CAD 141	Industrial Materials and Processes	04
CNC 201	MasterCam	04
CNC 202	GibbsCAM	04
EGR 101	Engineering Graphics	04
WRKTC 201	Work Experience	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>37</b>





## DIESEL SERVICE TECHNOLOGY

### Certificate

This program prepares graduates to maintain, diagnose and repair medium- and heavy-duty vehicles and to perform successfully on the certification exams required for all persons who seek to work in positions as diesel mechanics/technicians in the state of Michigan. The program will focus on electrical systems, diesel engines, heavy-duty brakes and suspensions along with other certification/licensure areas as selected by the student.

Diesel courses will be taught in the Auto/Diesel Institute of Michigan (autodieselinstitute.com)



Baker College of Owosso is a Michigan CAT preferred college.

This program is accredited by the National Automotive Technicians Education Foundation (NATEF), 13505 Dulles Technology Drive, Herndon, VA 20171-3421; www.natef.org

The Auto/Diesel Institute of Michigan is the only college in Michigan with Master Accreditation from the National Automotive Technicians Education Foundation for Diesel Service.



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 63 HOURS</b>		
DSL 101	Diesel Engine Theory	04
DSL 106	Diesel Shop Practices	04
DSL 116	Introduction to Diesel Electrical	05
DSL 141	Diesel Electrical/Electronic Systems I	05
DSL 142	Diesel Electrical/Electronic Systems II	05
DSL 171	Diesel Engine Repair	05
DSL 181	Introduction to Diesel Maintenance and Repair	04
DSL 221	Heavy-Duty Brake Service	06
DSL 231	Heavy-Duty Suspension/Steering	06
ENG 101	Composition I	04
INF 121	Introduction to Windows	02
MTH 108	College Mathematics I: Reasoning and Application	04
WRK 275	Diesel Work Experience	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
AG 221	Agriculture Equipment and Tooling	04
DSL 151A	Basic Welding, Cutting, and Fabrication	04
DSL 241	Heavy-Duty Heating/Air Conditioning	06
DSL 251	Auxiliary Systems	04
DSL 261	Heavy-Duty Drive Trains	06
DSL 271	Diesel Engine Performance	05
DSL 281	Heavy-Duty Bus/Truck Maintenance	04
DSL 285	Power Generation	04
DSL 291	Hydraulics	05
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>63</b>

Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 63 HOURS</b>		
DSL 101	Diesel Engine Theory	04
DSL 106	Diesel Shop Practices	04
DSL 116	Introduction to Diesel Electrical	05
DSL 141	Diesel Electrical/Electronic Systems I	05
DSL 142	Diesel Electrical/Electronic Systems II	05
DSL 171	Diesel Engine Repair	05
DSL 181	Introduction to Diesel Maintenance and Repair	04
DSL 221	Heavy-Duty Brake Service	06
DSL 231	Heavy-Duty Suspension/Steering	06
ENG 101	Composition I	04
INF 121	Introduction to Windows	02
MTH 108	College Mathematics I: Reasoning and Application	04
WRK 275	Diesel Work Experience	04
WRK 291B	Professional Career Strategies	01

#### SELECT 1 COURSE FROM THE FOLLOWING:

AG 221	Agriculture Equipment and Tooling	04
DSL 151A	Basic Welding, Cutting, and Fabrication	04
DSL 241	Heavy-Duty Heating/Air Conditioning	06
DSL 251	Auxiliary Systems	04
DSL 261	Heavy-Duty Drive Trains	06
DSL 271	Diesel Engine Performance	05
DSL 281	Heavy-Duty Bus/Truck Maintenance	04
DSL 285	Power Generation	04
DSL 291	Hydraulics	05

**QUARTER HOURS REQUIRED FOR GRADUATION 63**

## HEATING, VENTILATION, AIR CONDITIONING TECHNOLOGY

### Certificate

This program will prepare students to install, maintain, and repair heating, cooling, and refrigeration systems. Technicians often specialize in one type of equipment, for example furnaces, central air conditioning, or commercial refrigeration.

**This program is an excellent first step to earning a Bachelor of Service Management Degree.**



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 47 HOURS</b>		
ACT 191A	Blueprint Reading for Architecture	02
ENG 101	Composition I	04
HVAC 101	Introduction to Mechanical Systems	04
HVAC 112A	HVAC Installation, Maintenance, and Repair	04
HVAC 115	Heating I	04
HVAC 116	Heating II	04
HVAC 121	EPA Recovery/Certification	02
HVAC 123A	Air Conditioning and Heat Pumps	04
HVAC 131	Mechanical Code	02
HVAC 151A	HVAC Electrical Systems and Applications I	04
HVAC 152	HVAC Electrical Systems and Applications II	04
MTH 111	Introductory Algebra	04
WRK 291B	Professional Career Strategies	01
WRKTC 201	Work Experience	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>47</b>

**TRUCK DRIVING****Certificate**

This program is offered with multiple start dates throughout the year. It prepares graduates for entry-level positions as local or long-distance drivers of commercial motor vehicles (CMV), heavy trucks, dump trucks, and tankers. Courses are designed to enable students to sit for the state of Michigan Commercial Driver Licensing Class A exam. Job potential for this field is excellent.

The Truck Driving Certificate meets all state and federal requirements for truck driver training. Applicants for the Truck Driving Certificate must: 1) be at least 18 years of age, 2) have a valid operator's license that is not currently (or within the immediate past 36 months) suspended or revoked, 3) meet all physical requirements specified in The Federal Motor Carrier Safety Regulations, and 4) provide/ pass a current DOT physical and NIDA drug screen to Baker College. This program is certified by the Professional Truck Driver Institute (PTDI), 555 East Braddock Road, Alexandria, VA 22314; (703) 647-7015; Web address: [www.ptdi.org](http://www.ptdi.org) at our Cadillac and Flint locations.



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 30 HOURS</b>		
HSC 100B	Community First Aid	01
TRN 101A	CDL Preparation I	02
TRN 111	Basic Operation Procedures	04
TRN 112A	Safe Operating Procedures	02
TRN 122	Vehicle Maintenance	02
TRN 131	Technology in Transportation	02
TRN 151	Practical Application-Behind the Wheel	05
TRN 161	Practical Application for Decision Driving	01
TRN 201A	CDL Preparation II	02
TRN 211	Regulations and Procedures	04
TRN 262A	Career Experience I	02
TRN 263A	Career Experience II	02
WRK 291B	Professional Career Strategies	01
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>30</b>

**WATER QUALITY TECHNICIAN****Certificate**

This program will prepare graduates for careers in managing one of our most precious resources—water. Students will be prepared for work in two broad areas: Clean water distribution and waste water sanitation. While the majority of these jobs will be in the public sector working for municipalities, employment opportunities also exist in private sector agricultural, residential, and commercial developments.



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 50 HOURS</b>		
AG 131	Soil Science	04
EGR 111	Technical Communications for Engineering Sciences	04
ENG 101	Composition I	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 109	College Mathematics II	04
SCI 111	Biology	05
SCI 121	Physics Concepts	02
SCI 220A	Microbiology	05
SCI 246	Chemistry I	04
WQ 111	Utility Equipment Operation and Maintenance	04
WQ 121	Water and Wastewater Laboratory Practices	02
WRKTC 201	Work Experience	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>50</b>

**WELDING****Certificate**

Students successfully completing this program will have acquired the knowledge and skills necessary for entry-level employment in the welding industry. Career opportunities include Welding Engineer, Welding Inspector, Structural Iron Worker, Custom Vehicle Designer, or Metal Art Sculptor. Skills and knowledge presented in the program include oxy-acetylene welding, cutting and brazing, shielded metal arc welding (SMAW), gas metal arc welding (GMAW/MIG), gas tungsten arc welding (GTAW/TIG), and flux-cored arc welding (FCAW), along with destructive weld testing methods. The curriculum is designed to meet or exceed the requirements set forth by the American Welding Society (AWS).



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 49 HOURS</b>		
CAD 131	Introduction to Manufacturing	04
ENG 101	Composition I	04
INF 112	Word Processing	02
INF 121	Introduction to Windows	02
WELD 101	Welding Principles	04
WELD 111A	Cutting and Oxy-fuel Welding	05
WELD 116	Gas Metal Arc Welding	05
WELD 121	Gas Tungsten Arc Welding	05
WELD 126	Shielded Metal Arc Welding	05
WELD 131	Metallurgy	04
WELD 191	Welding Practicum	04
WRK 291B	Professional Career Strategies	01
WRKTC 201	Work Experience	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>49</b>



## ASSOCIATE DEGREE PROGRAMS

### ADVANCED MANUFACTURING TECHNOLOGY

#### Associate of Applied Science Degree

Manufacturing in America relies increasingly on advanced design software and programming skills that were unknown to past generations of machinists. In the first year of this two-part degree program, students gain the essential Computer Numerical Control (CNC) knowledge and experience needed to operate today's technologically advanced manufacturing lathes, turning centers, mills, routers, and other machines. The second year of this program provides advanced software training in Mastercam, AutoCAD, and SolidWorks, preparing students to design new products and write the CNC programs to manufacture them. Graduates of this well-rounded program can anticipate many opportunities in 21st century manufacturing careers.



Course Number	Course Title	Quarter Hours
<b>ADVANCED MANUFACTURING TECHNOLOGY MAJOR - 65 HOURS</b>		
AMT 191	Blueprint Reading for Industry	04
AMT 299	Advanced Manufacturing Capstone Project	04
CAD 111	Computer Aided Drafting I (CAD I)	04
CAD 131	Introduction to Manufacturing	04
CAD 141	Industrial Materials and Processes	04
CAD 201	Geometric Dimensioning and Tolerancing	04
CNC 111	Basic Gauges and Measurements	04
CNC 121A	Machining Theory and Methods	04
CNC 131	Precision Machining Methods	04
CNC 141	CNC Theory and Operation	04
CNC 151	CNC Programming	04
EGR 101	Engineering Graphics	04
WRK 291B	Professional Career Strategies	01
WRKTC 201	Work Experience	04
<b>SELECT 8 CREDITS FROM THE FOLLOWING:</b>		
CAD 121	3-D CAD I	04
CAD 122	3-D CAD II	04
CAD 236A	SolidWorks	08
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CNC 201	MasterCam	04
CNC 202	GibbsCAM	04
<b>GENERAL EDUCATION REQUIREMENTS - 28 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 113	Electronic Spreadsheets	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>

### AGRICULTURE TECHNOLOGY

#### Associate of Applied Science Degree

The Baker College agriculture technology program provides students with the advanced training necessary to compete in today's technology-driven farming industry. Students completing the program will have acquired knowledge and skills in agribusiness, weed and insect management, plant science and agronomy, sustainable agriculture, viticulture, agriculture equipment and tools, and the use of agricultural computer and technology systems. Additionally, students may select an agribusiness path and focus on marketing and management, an animal science path and learn about animal husbandry and veterinary science, or select a technology path and develop skills to select, install, and maintain agricultural technology equipment including global positioning systems (GPS), auto steering systems, and soil sampling and mapping systems.



Course Number	Course Title	Quarter Hours
<b>AGRICULTURE TECHNOLOGY MAJOR - 72 HOURS</b>		
AG 101	Introduction to Agricultural Industry	04
AG 111	Agribusiness I	04
AG 112	Agribusiness II	04
AG 113	Agribusiness III	04
AG 121	Partners in Agriculture	04
AG 131	Soil Science	04
AG 141	Plant Science and Agronomy	04
AG 151	Weed Disease and Insect Management	04
AG 161	Computers in Agriculture	05
AG 181	Introduction to Agricultural Systems Internship	02
AG 201	Principles of Sustainable Agriculture	04
AG 241	Viticulture and the Fruit Industry	04
AG 291	Agriculture Capstone and Future Trends	04
WRK 277	Agriculture Work Experience	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 28 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>SELECT 1 GROUP FROM THE FOLLOWING:</b>		
<b>AGRIBUSINESS - 16 HOURS</b>		
ECN 201	Principles of Macroeconomics	04
MGT 141	Principles of Management	04
MKT 111B	Principles of Marketing	04
MKT 131	Personal Selling	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>100</b>
<b>AGRICULTURE TECHNOLOGY - 17 HOURS</b>		
AG 221	Agriculture Equipment and Tooling	04
AG 231A	Introduction to Precision Agriculture	04
AG 232A	Advanced Precision Agriculture	04
DSL 116	Introduction to Diesel Electrical	05
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>101</b>
<b>ANIMAL SCIENCE - 18 HOURS</b>		
AG 221	Agriculture Equipment and Tooling	04
AG 251	Animal Science	04
AG 256	Veterinary Science	05
AG 261	Animal Husbandry	05
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>102</b>



**ARCHITECTURAL/CONSTRUCTION TECHNOLOGY****Associate of Applied Science Degree**

This program teaches computer-aided drafting (CAD), architectural drafting, cost estimating, and building construction methods and materials. Included are residential and commercial building concepts with mechanical and electrical components. Externships provide students with practical experience in areas such as construction cost estimating, material sales, construction drawings, and construction projects. Students will gain the hands-on ability to create architectural drawings and obtain knowledge of the building construction industry. Graduates may find positions in architectural drawing, materials estimating and sales, building inspection, construction supervision, and other building industry fields.



Course Number	Course Title	Quarter Hours
<b>ARCHITECTURAL/CONSTRUCTION MAJOR - 70 HOURS</b>		
ACT 101	Architectural Drafting I	04
ACT 102	Architectural Drafting II	04
ACT 103	Computer Aided Architectural Drawing I	04
ACT 104	Building Materials and Construction	04
ACT 105A	Surveying	02
ACT 201	Structural Analysis	04
ACT 202	Mechanical Systems	04
ACT 203	Construction Cost/Estimating	04
ACT 204B	Builder License/Laws	03
ACT 205	Computer Aided Architectural Drawing II	04
ACT 206	Commercial Architectural Drawing I	04
ACT 207	Commercial Architectural Drawing II	04
ACT 211A	Architectural Design, Presentation, and Portfolio	04
IND 301	Building Codes and Construction	04
MTH 112A	College Algebra	04
MTH 124	Trigonometry	04
SCI 215	Integrated Physics	04
WRK 291B	Professional Career Strategies	01
WRKTC 201	Work Experience	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 141A	Microsoft PowerPoint	02
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>102</b>

**AUTOBODY TECHNICIAN****Associate of Applied Science Degree**

The autobody technician must use specialized tools and equipment to remove dents and other damage from body panels or replace the panels entirely. In heavy damage, the frame and/or uni-body must also be repaired. The repairs or the entire vehicle must then be painted. This program prepares graduates for work in this area and includes coverage of plastic, glass, and interior and mechanical system repairs.

This program is accredited by the National Automotive Technicians Education Foundation (NATEF), 13505 Dulles Technology Drive, Herndon, VA 20171-3421; [www.natef.org](http://www.natef.org)  
This program is accredited on the following campuses: Flint



**This program is an excellent first step to earning a Bachelor of Service Management Degree.**



Course Number	Course Title	Quarter Hours
<b>AUTOBODY TECHNICIAN MAJOR - 74 HOURS</b>		
ABT 101	Painting and Refinishing I	06
ABT 102	Painting and Refinishing II	06
ABT 103	Painting and Refinishing Practicum Lab	06
ABT 106	Introduction to Autobody	04
ABT 111	Non-Structural Damage Repair I	06
ABT 112	Non-Structural Damage Repair II	06
ABT 113	Non-Structural Damage Repair Practicum Lab	06
ABT 121	Mechanical and Electrical I	06
ABT 122	Mechanical and Electrical II	06
ABT 151	MIG Welding	05
ABT 211	Structural Damage Repair I	06
ABT 212	Structural Damage Repair II	06
WRK 271A	Automotive Work Experience	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 28 HOURS</b>		
ELECT 161A	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>102</b>

**AUTOMOTIVE RESTORATION TECHNOLOGY****Associate of Applied Science Degree**

The Restoration Technology program will prepare students in the field of automotive restoration by emphasizing the values of craftsmanship and historical authenticity. This program will train students with time tested methods and traditional auto body training. Training will focus on the restoration of classic and vintage automobiles. Graduates will be prepared for entry-level positions within the restoration and the auto body repair industry.



Course Number	Course Title	Quarter Hours
<b>AUTOMOTIVE REQUIREMENTS - 54 HOURS</b>		
ABT 101	Painting and Refinishing I	06
ABT 102	Painting and Refinishing II	06
ABT 103	Painting and Refinishing Practicum Lab	06
ABT 106	Introduction to Autobody	04
ABT 111	Non-Structural Damage Repair I	06
ABT 112	Non-Structural Damage Repair II	06
ABT 113	Non-Structural Damage Repair Practicum Lab	06
ABT 151	MIG Welding	05
ARST 201	Introduction to Restoration	04
WRK 271A	Automotive Work Experience	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 28 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 121	Introduction to Windows	02

### SELECT 1 OF THE FOLLOWING MAJORS:

#### AUTOMOTIVE RESTORATION - ENGINE/DRIVE TRAIN MAJOR - 25 HOURS

ARST 211	Engine Theory/Performance	04
ARST 221	Transmissions, Drive Trains, and Axles	06
ARST 231	Chassis Restoration	05
ARST 241	Machining Technology	05
AST 111A	Introduction to Automotive Electrical	05

**QUARTER HOURS REQUIRED FOR GRADUATION 107**

#### AUTOMOTIVE RESTORATION - PAINT/INTERIOR MAJOR - 25 HOURS

ARST 251	Sheet Metal Fabrication	06
ARST 261	Interior Repair I	04
ARST 262	Interior Repair II	04
ARST 271	Auto Paint Restoration	06
ARST 281	Custom Paint and Graphics	05

**QUARTER HOURS REQUIRED FOR GRADUATION 107**

## AUTOMOTIVE SERVICES TECHNOLOGY

### Associate of Applied Science Degree

Automotive Service Technicians use specialized tools and equipment to diagnosis and repair automobiles and light trucks. Work is performed inside the vehicle as well as under the hood and under the vehicle. While some amount of physical dexterity is required, there are some procedures that can be performed at a work bench. Students in this program will be trained in multiple certification areas in preparation for ASE certification as well as state of Michigan licensure.



This program is accredited by the National Automotive Technicians Education Foundation (NATEF), 13505 Dulles Technology Drive, Herndon, VA 20171-3421; [www.natef.org](http://www.natef.org)



**This program is an excellent first step to earning a Bachelor of Service Management Degree.**



Course Number	Course Title	Quarter Hours
<b>AUTOMOTIVE SERVICES TECHNOLOGY MAJOR - 66 HOURS</b>		
AST 100A	Automotive Services Technology Elective	06
AST 100D	Automotive Services Technology Elective	04
AST 100E	Automotive Services Technical Elective	04
AST 102	Engine Performance I	06
AST 103	Engine Performance II	06
AST 106	Introduction to Automotive Service	04
AST 111A	Introduction to Automotive Electrical	05
AST 112B	Electrical/Electronic Systems I	05
AST 113	Electrical/Electronic Systems II	05
AST 121	Engine Repair I	04
AST 221A	Automotive Brake Service	06
AST 231A	Automotive Suspension/Steering	06
WRK 271A	Automotive Work Experience	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 28 HOURS</b>		
ELECT 161A	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>94</b>

## AUTOMOTIVE SERVICES TECHNOLOGY - MOPAR CAP

### Associate of Applied Science Degree

The MOPAR CAP (College Automotive Program) and The Auto/Diesel Institute of Michigan (ADI) at Baker College of Owosso have established a partnership to provide Chrysler Group LLC specific training designed for automotive students to help support Chrysler Group LLC dealerships with talented service technicians capable of servicing today's complex vehicles. The ADI/CAP partnership follows the same NATEF curriculum guidelines as the existing Automotive Service Technology program. Additionally, students will be required to intern at a CAP sponsored dealership as part of their program requirements.

**Prerequisite: Sophomore status.**

This program is accredited by the National Automotive Technicians Education Foundation (NATEF), 13505 Dulles Technology Drive, Herndon, VA 20171-3421; [www.natef.org](http://www.natef.org)



Course Number	Course Title	Quarter Hours
<b>AUTOMOTIVE SERVICES TECHNOLOGY MAJOR 80 HOURS</b>		
AST 102	Engine Performance I	06
AST 106	Introduction to Automotive Service	04
AST 111A	Introduction to Automotive Electrical	05
<i>Co-requisite: AST 106</i>		
AST 112B	Electrical/Electronic Systems I	05
AST 121	Engine Repair I	04



## ENGINEERING/TECHNOLOGY PROGRAMS - ASSOCIATE DEGREES

AST	122	Engine Repair II	04
AST	221A	Automotive Brake Service	06
AST	231A	Automotive Suspension/Steering	06
ASTM	103	MOPAR Engine Performance II	06
ASTM	113	MOPAR Electrical/Electronic Systems II	05
ASTM	241	MOPAR Automotive HVAC Systems	06
ASTM	251	MOPAR Automatic Transmission	08
ASTM	261	MOPAR Manual Drive Trains	06
WRK	273	MOPAR CAP Internship I	04
WRK	274	MOPAR CAP Internship II	04
WRK	291B	Professional Career Strategies	01

### GENERAL EDUCATION REQUIREMENTS - 26 HOURS

ENG	101	Composition I <i>Minimum Grade: C (2.0)</i> <i>Prerequisite(s): ENG 091 or satisfies developmental writing or placement exam, ENG 098B or satisfies developmental reading or placement exam.</i>	04
ENG	102	Composition II <i>Prerequisite(s): C or better in ENG 101 or placement exam and approved writing sample.</i>	04
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application <i>Prerequisite(s): MTH 099E or satisfies developmental pre algebra or placement exam.</i>	04
PSY	101	Human Relations	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication <i>Prerequisite(s): ENG 102</i>	04

**QUARTER HOURS REQUIRED FOR GRADUATION 106**

### COMPUTER AIDED DESIGN

#### Associate of Applied Science Degree

Everything we use in our day-to-day lives has been designed by someone. CAD Designers use computer aided techniques for the creation of 3D models and production drawings. Computer aided design is used in all industries including entertainment, healthcare, commercial food preparation, packaging, aerospace, furniture, and automotive manufacturing. This program prepares graduates for positions as designers with a focus on total design along with the communication/integration of the design of related parts or components. Students will learn to create 2D drawings and 3D models as well as obtain knowledge of manufacturing processes such as welding and sheet metal, engineering materials, and the use of precision measuring tools. Graduates may find positions in design areas such as product design, machine design, gage and fixture design, or in preparing CAD drawings/models for publication on the Web.



Course Number	Course Title	Quarter Hours
<b>COMPUTER AIDED DESIGN MAJOR - 77 HOURS</b>		
CAD 111	Computer Aided Drafting I (CAD I)	04
CAD 121	3-D CAD I	04
CAD 122	3-D CAD II	04
CAD 131	Introduction to Manufacturing	04
CAD 141	Industrial Materials and Processes	04
CAD 201	Geometric Dimensioning and Tolerancing	04
CAD 215	Statics and Strength of Materials	04
CAD 299	Design Capstone	04

EGR	101	Engineering Graphics	04
EGR	105	Introduction to Engineering and Design	04
EGR	111	Technical Communications for Engineering Sciences	04
MTH	112A	College Algebra	04
MTH	124	Trigonometry	04
SCI	215	Integrated Physics	04
WRK	291B	Professional Career Strategies	01
WRKTC	201	Work Experience	04

### SELECT 16 CREDIT HOURS FROM THE FOLLOWING:

CAD	112	Computer Aided Drafting II (CAD II)	04
CAD	221A	Catia	08
CAD	223	Catia-Intermediate	04
CAD	224	Catia-Advanced	04
CAD	226A	Unigraphics	08
CAD	228	Unigraphics-Intermediate	04
CAD	229	Unigraphics-Advanced	04
CAD	231A	Pro/ENGINEER	08
CAD	233	Pro/ENGINEER-Intermediate	04
CAD	234	Pro/ENGINEER-Advanced	04
CAD	236A	SolidWorks	08
CAD	238	Solidworks-Intermediate	04
CAD	239	Solidworks-Advanced	04
CAD	241	Tool Design	04
CAD	242	Product Design	04
CAD	243	Equipment Design	04
CAD	244	Vehicle Design	04

### GENERAL EDUCATION REQUIREMENTS - 24 HOURS

ENG	101	Composition I	04
ENG	102	Composition II	04
MTH	111	Introductory Algebra	04
PSY	101	Human Relations	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**QUARTER HOURS REQUIRED FOR GRADUATION 101**

### DIESEL SERVICE TECHNOLOGY

#### Associate of Applied Science Degree

This program prepares graduates to maintain, diagnose, and repair medium- and heavy-duty vehicles and to perform successfully on the certification exams required for all persons who seek to work in positions as diesel mechanics/technicians in the state of Michigan. The program will focus on electrical systems, diesel engines, diesel engine performance, preventative maintenance, heavy-duty brakes and suspensions along with other areas as selected by the student.

Diesel courses will be taught in the Auto/Diesel Institute of Michigan (autodieselinstitute.com)



Baker College of Owosso is a Michigan CAT preferred college.

This program is accredited by the National Automotive Technicians Education Foundation (NATEF), 13505 Dulles Technology Drive, Herndon, VA 20171-3421; [www.natef.org](http://www.natef.org)

The Auto/Diesel Institute of Michigan is the only college in Michigan with Master Accreditation from the National Automotive Technicians Education Foundation for Diesel Service.



**This program is an excellent first step to earning a Bachelor of Service Management in Automotive Degree.**







Course Number	Course Title	Quarter Hours
<b>DIESEL SERVICE TECHNOLOGY MAJOR - 70 HOURS</b>		
DSL 100A	Diesel Service Technology Elective	04
DSL 100B	Diesel Service Technology Elective	04
DSL 101	Diesel Engine Theory	04
DSL 106	Diesel Shop Practices	04
DSL 116	Introduction to Diesel Electrical	05
DSL 141	Diesel Electrical/Electronic Systems I	05
DSL 142	Diesel Electrical/Electronic Systems II	05
DSL 151A	Basic Welding, Cutting, and Fabrication	04
DSL 171	Diesel Engine Repair	05
DSL 181	Introduction to Diesel Maintenance and Repair	04
DSL 221	Heavy-Duty Brake Service	06
DSL 231	Heavy-Duty Suspension/Steering	06
DSL 271	Diesel Engine Performance	05
DSL 281	Heavy-Duty Bus/Truck Maintenance	04
WRK 275	Diesel Work Experience	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 28 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 121	Introduction to Windows	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>98</b>

## INDUSTRIAL TECHNOLOGY

### Associate of Applied Science Degree

This degree is a unique program designed specifically for an individual who has already attained journeyman status as recognized by the U.S. Department of Labor. The individual's completed formal apprenticeship training program, as registered in the Office of Apprenticeship, transfers in as his/her major. The remaining course requirements give students the skills necessary to expand his/her knowledge and career opportunities.



Course Number	Course Title	Quarter Hours
<b>INDUSTRIAL TECHNOLOGY MAJOR - 66 HOURS</b>		
EGR 111	Technical Communications for Engineering Sciences	04
MGT 101	Introduction to Business	04
MGT 141	Principles of Management	04
<b>SELECT 54 CREDITS FROM THE FOLLOWING:</b>		
BUS 211	Business Analytics	04
CAD 141	Industrial Materials and Processes	04
CQI 301	Quality Theory	04
JNYCD 100F	Journeyman Status	56
JNYCD 100G	Journeyman Status	42
MGT 111	Professional Management Behavior	04
MGT 212A	Staffing and Performance Management	04
PSY 231	Organizational Psychology	04

### GENERAL EDUCATION REQUIREMENTS - 26 HOURS

ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 111	Introductory Algebra	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>92</b>

## INTERIOR DESIGN

### Associate of Applied Science Degree

This program prepares students for entry-level positions in interior design as well as kitchen and bath design. Students apply elements and principles of design, space planning, textiles, and furnishings as they relate to residential and commercial interiors. Basic drafting, drawing, and presentation skills will be emphasized throughout the program. Applying current technology, students develop and present projects stressing public health, safety, and welfare. They will gain a basic understanding of the interior design practice and the industry as a whole. The program provides a solid foundation for further study in the interior design field.

This program is 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.



Course Number	Course Title	Quarter Hours
<b>INTERIOR DESIGN MAJOR - 73 HOURS</b>		
HUM 101B	Art and Architecture I (Antiquity to Renaissance)	04
IND 100	Introduction to Interior Design	04
IND 102	Workroom Practices	04
IND 104	Interior Design Business Practices	04
IND 105C	Textiles	04
IND 111A	Space Planning I	04
IND 112A	Space Planning II	04
IND 121	Interior Design Graphics	04
IND 131	Introduction to CAD	02
IND 151	Interior Design Sales	04
IND 201	History of Furnishing	04
IND 202	Rendering Techniques and Perspectives	04
IND 214	20-20 CAD	02
IND 221	Building Systems	04
IND 231	Studio Bath	04
IND 241	Studio Kitchen	04
IND 253A	Portfolio Projects	04
WRK 291B	Professional Career Strategies	01

**SELECT 1 COURSE FROM THE FOLLOWING:**

ACT	103	Computer Aided Architectural Drawing I	04
IND	215	Interior Design CAD	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

WRK	265	Kitchen and Bath Design Work Experience	04
WRKTC	201	Work Experience	04

**GENERAL EDUCATION REQUIREMENTS - 28 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
INF	113	Electronic Spreadsheets	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
PSY	101	Human Relations	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**QUARTER HOURS REQUIRED FOR GRADUATION 101****MECHANICAL TECHNOLOGY****Associate of Applied Science Degree**

The Mechanical Technology Program is designed to prepare students for employment in mechanical design, manufacturing, and production industries. This program is designed for students interested in entry-level positions as well as experienced technicians who wish to improve their skills. Emphasis is placed on computer-aided design (CAD) along with the mathematical and communication skills required to function effectively as part of an engineering team.

**This program provides the foundation courses in science and mathematics leading graduates to a Bachelor of Science in Mechanical Engineering, which can be completed in three additional years.**



Course Number	Course Title	Quarter Hours
<b>MECHANICAL TECHNOLOGY MAJOR - 77 HOURS</b>		
CAD	201 Geometric Dimensioning and Tolerancing	04
EET	111A Electrical Technology	04
EGR	101 Engineering Graphics	04
EGR	105 Introduction to Engineering and Design	04
EGR	111 Technical Communications for Engineering Sciences	04
EGR	171 Computing for Engineers	04
ISE	311 Manufacturing Processes	04
ME	107 Introduction to 3-D Modeling	04
ME	201 Statics	04
ME	299 Design Project	04
ME	301 Introduction to CAE	04
MTH	112A College Algebra	04
MTH	124 Trigonometry	04
MTH	141A Calculus I	04
MTH	142 Calculus II	04
MTH	143 Calculus III	04
SCI	215 Integrated Physics	04
SCI	246 Chemistry I	04
WRK	291B Professional Career Strategies	01
WRKTC	201 Work Experience	04

**GENERAL EDUCATION REQUIREMENTS - 24 HOURS**

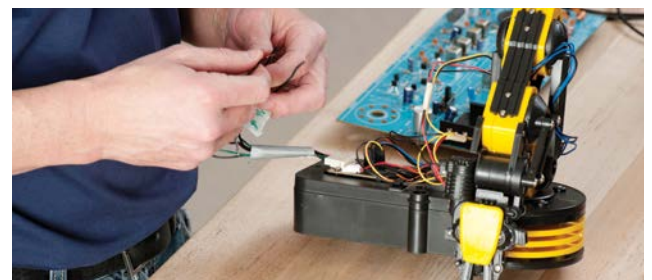
ENG	101	Composition I	04
ENG	102	Composition II	04
MTH	111	Introductory Algebra	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 101****MECHATRONICS****Associate of Applied Science Degree**

The Michigan Advanced Technician Training program is an innovative, industry-driven approach to education. This program prepares students to become general service technicians in a wide variety of manufacturing settings, with skills in electronics, mechanical systems, robotics, pneumatics, hydraulics, CNC, and systems that integrate all of these technical fields. Students will qualify for US Department of Labor apprenticeship certification upon completion of the program. MAT2 programs were developed throughout the state of Michigan in conjunction with global industry technology leaders to combine theory, practice, and work to train a globally competitive workforce. MAT2 addresses two critical issues facing the manufacturing and technology industries: a widening skills gap and an aging workforce. This initiative program functions similar to an apprenticeship program, where students alternate between classroom instruction and on-the-job training, gaining the necessary hands-on skills and real-world experiences for them to become a successful and productive member of the workforce.



Course Number	Course Title	Quarter Hours
<b>MECHATRONICS MAJOR - 89 HOURS</b>		
MATT	101 Basic Gauges and Measurements	04
MATT	105 Machine Tool	06
MATT	111 Electrical Technology	04
MATT	115 AC/DC Circuits	04
MATT	121 Integrated Systems	04
MATT	131 Solid State Devices	04
MATT	135 Electro-Hydraulics	06
MATT	141 Industrial Materials and Processes	04
MATT	151 Mechanical Drives	06
MATT	171 Industrial Safety Hoists and Cranes	02
MATT	191 Blueprint Reading	04
MATT	211 Industrial Controls and Instrumentation	04
MATT	221 Programmable Controller Application	05
MATT	222 Advanced Programmable Controller Application	05
MATT	225 Introduction to Robotics	04
MATT	231 Fundamentals of Pipe Fitting	02
MATT	235 Introduction to Gas/Arc/Mig/Tig Welding	04
MATT	251 General Preventative/Predictive Maintenance	04
MATT	271 Shop Floor Networking	04
MATT	281 Seminar in Material Science	01
MATT	282 Seminar in Quality	01
MATT	283 Seminar in Project Management	01
MATT	299 Capstone Project	04

**GENERAL EDUCATION REQUIREMENTS - 24 HOURS**

EGR	111	Technical Communications for Engineering Sciences	04
EGR	131	Industrial Mathematics	04
ENG	101	Composition I	04
ENG	102	Composition II	04
PSY	101	Human Relations	04
SPK	201	Oral Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>			<b>111</b>

**PHOTONICS AND LASER TECHNOLOGY****Associate of Applied Science Degree**

Photonics is the technology of generating, transmitting, and manipulating light. Photonics is used in a broad range of industries such as aerospace, agriculture, alternative energy, biotechnology, chemical, communications, construction, entertainment, environmental technology, homeland security, lighting and illumination, medicine, and manufacturing. The technology is growing with new applications being constantly developed, and the career prospects for photonics technicians are bright. The Photonics and Laser Technology program at Baker College has been developed with industry input and prepares students to build, test, install, operate, maintain, and repair laser and electro-optic devices and systems.



Course Number	Course Title	Quarter Hours
<b>PHOTONICS AND LASER TECHNOLOGY MAJOR - 81 HOURS</b>		

EET	111A	Electrical Technology	04
EET	115D	DC Circuits	04
EET	125B	AC Circuits	04
EET	136	Digital Circuits I	04
EET	211	Solid State Devices I	04
EET	221	Fiber Optics and Data Communications	04
EET	251	Introduction to Photonics and Laser Technologies	04
EGR	111	Technical Communications for Engineering Sciences	04
ME	107	Introduction to 3-D Modeling	04
MTH	112A	College Algebra	04
MTH	124	Trigonometry	04
PLT	211	Geometrical Optics	04
PLT	221	Wave Optics	04
PLT	231	Laser Fundamentals	04
PLT	235	Laser Systems	04
PLT	241	Optical Systems Analysis	04
PLT	251	Photonics Applications	04
PLT	271	Capstone Project	04
SCI	215	Integrated Physics	04
WRK	291B	Professional Career Strategies	01
WRKTC	201	Work Experience	04

**GENERAL EDUCATION REQUIREMENTS - 24 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
MTH	111	Introductory Algebra	04
PSY	101	Human Relations	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>			<b>105</b>

**POWER SPORTS AND SMALL ENGINE TECHNOLOGY****Associate of Applied Science Degree**

The Power Sports and Small Engine Technology program provides students with the skills necessary to compete for entry-level technician positions in the Powersports industry. Specific platform instruction includes lawnmower and landscaping equipment, motorcycles, ATVs, snowmobiles, personal watercraft, and marine inboard and outboard engines and equipment. Students will receive extensive hands-on instruction on two- and four-stroke engines and diesel engine repair, electrical systems, drivelines, suspension and braking systems, as well as manufacturer specific diagnostic tools and special equipment.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**POWER SPORTS AND SMALL ENGINE TECHNOLOGY MAJOR - 65 HOURS**

SET	106	Introduction to Small Engine Technology	04
SET	111	Small Engine Electricity/Electronics I	05
SET	112	Small Engine Electricity/Electronics II	05
SET	121	Small Engine Repair and Machining I	06
SET	122	Small Engine Repair and Machining II	06
SET	131	Small Engine Performance I	06
SET	132	Small Engine Performance II	06
SET	221	Motorcycle/ATV Brakes and Suspension	06
SET	231	Motorcycle/ATV Transmissions and Drivelines	06
SET	251	Snowmobile Performance and Drivelines	06
SET	281	Motorcycle/ATV Practicum	04
WRK	291B	Professional Career Strategies	01
WRKTC	201	Work Experience	04

**GENERAL EDUCATION REQUIREMENTS - 28 HOURS**

ELECT	161A	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
PSY	101	Human Relations	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**QUARTER HOURS REQUIRED FOR GRADUATION****93**



**WATER QUALITY MANAGEMENT****Associate of Applied Science Degree**

This program will prepare graduates for careers in managing one of our most precious resources—water. Students will be prepared for work in two broad areas: Clean water distribution and waste water sanitation. While the majority of these jobs will be in the public sector working for municipalities, employment opportunities also exist in private sector agricultural, residential, and commercial developments.

Baker College offers students a tiered approach with 160-hour internships after each segment that can lead to increasingly higher levels of employment in the field. Graduates of this program will be prepared to take entry-level waste water and drinking water state-certification exams.

Completion of the associate degree program has been endorsed by the Michigan Department of Environmental Quality for: (1) Waiver of the one-year operational experience requirements to write the Class D Wastewater Treatment Operator Certification Examination and (2) waiver of the education and/or experience requirements to write the Filtration (F), Limited Treatment (D), and Distribution (S) Waterworks Operator Certification Examinations



Course Number	Course Title	Quarter Hours
<b>WATER QUALITY MANAGEMENT MAJOR - 71 HOURS</b>		
AG 131	Soil Science	04
EGR 111	Technical Communications for Engineering Sciences	04
MTH 109	College Mathematics II	04
POL 201A	American Political Systems	04
SCI 111	Biology	05
SCI 121	Physics Concepts	02
SCI 220A	Microbiology	05
SCI 246	Chemistry I	04
SCI 247	Chemistry II	04
WQ 111	Utility Equipment Operation and Maintenance	04
WQ 121	Water and Wastewater Laboratory Practices	02
WQ 131	Applied Hydraulics and Statics	04
WQ 141	Water Regulations, Reporting, and Compliance	04
WQ 151	Water Treatment Principles	04
WQ 161	Wastewater Treatment Principles	04
WQ 171	Water/Wastewater Utility Management	04
WRK 291B	Professional Career Strategies	01
WRKTC 201	Work Experience	04
WRKTC 202	Work Experience II	04
<b>GENERAL EDUCATION REQUIREMENTS - 24 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
<b>SELECT ONE COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>95</b>

**WELDING****Associate of Applied Science Degree**

Students successfully completing this program will have acquired the knowledge and skills necessary for entry-level employment in the welding industry. Career opportunities include Welding Engineer, Welding Inspector, Structural Iron Worker, Custom Vehicle Designer, or Metal Art Sculptor. Skills and knowledge presented in the program include oxy-acetylene welding, cutting and brazing, shielded metal arc welding (SMAW), gas metal arc welding (GMAW/MIG), gas tungsten arc welding (GTAW/TIG), and flux-cored arc welding (FCAW), along with destructive weld testing methods. The curriculum is designed to meet or exceed the requirements set forth by the American Welding Society (AWS).



Course Number	Course Title	Quarter Hours
<b>WELDING MAJOR - 66 HOURS</b>		
CAD 131	Introduction to Manufacturing	04
WELD 101	Welding Principles	04
WELD 111A	Cutting and Oxy-fuel Welding	05
WELD 116	Gas Metal Arc Welding	05
WELD 121	Gas Tungsten Arc Welding	05
WELD 126	Shielded Metal Arc Welding	05
WELD 131	Metallurgy	04
WELD 191	Welding Practicum	04
WELD 201	Advanced Welding Principles	04
WELD 211	Advanced Welding and Cutting Processes	05
WELD 221	Welding Fabrication Practicum I	04
WELD 222	Welding Fabrication Practicum II	04
WELD 241	Technical Drawing and Design	04
WRK 291B	Professional Career Strategies	01
WRKTC 201	Work Experience	04
<b>SELECT 4 CREDIT HOURS FROM THE FOLLOWING:</b>		
CAD 151	Application of Engineering Handbooks	04
WELD 296	Welding Certification I	01
WELD 297	Welding Certification II	01
WELD 298	Welding Certification III	01
WELD 299	Welding Certification IV	01
<b>GENERAL EDUCATION MAJOR - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 121	Introduction to Windows	02
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>98</b>



## BACHELOR DEGREE PROGRAMS

### ARCHITECTURAL TECHNOLOGY

#### Bachelor of Science

This program prepares graduates for entry-level positions in the architectural and construction industry. Graduates will typically find employment with architects, engineers, contractors, building manufacturers, real estate developers, and various government agencies. The emphasis of study is on the systematic application of skills in the areas of building design implementation, computer aided design, and structure.



Course Number	Course Title	Quarter Hours
<b>ARCHITECTURAL TECHNOLOGY MAJOR - 133 HOURS</b>		
ACT 101	Architectural Drafting I	04
ACT 102	Architectural Drafting II	04
ACT 103	Computer Aided Architectural Drawing I	04
ACT 104	Building Materials and Construction	04
ACT 105A	Surveying	02
ACT 201	Structural Analysis	04
ACT 202	Mechanical Systems	04
ACT 203	Construction Cost/Estimating	04
ACT 204A	Builder License/Laws	02
ACT 205	Computer Aided Architectural Drawing II	04
ACT 206	Commercial Architectural Drawing I	04
ACT 207	Commercial Architectural Drawing II	04
ACT 211A	Architectural Design, Presentation and Portfolio	04
AT 301	Fundamentals of Design	04
AT 311A	Architectural History I	04
AT 312	Architectural History II	04
AT 321	Structural Design I	04
AT 322	Structural Design II	04
AT 401	Architectural Design I	04
AT 402	Architectural Design II	04
AT 403	Architectural Design III	04
AT 404	Architectural Design IV	06
AT 405	Architectural Design V	06
AT 411	Advanced Code Analysis	04
AT 421	Building Systems (MEP)	04
AT 431	Site Planning and Development	04
AT 441	Professional Office Practice	04
IND 301	Building Codes and Construction	04
MGT 211	Management and Supervision	04
MGT 250	Conflict Management	04
MTH 124	Trigonometry	04
WRK 291B	Professional Career Strategies	01
WRK 301	Internship	04
WRKTC 201	Work Experience	04

#### GENERAL EDUCATION REQUIREMENTS - 72 HOURS

ENG 101	Composition I	04
ENG 102	Composition II	04
HIS 331A	European History I	04
HIS 411	Emerging Nations	04
HUM 401A	Philosophy of Ethics	04
INF 113	Electronic Spreadsheets	02
INF 121	Introduction to Windows	02
INF 141A	Microsoft PowerPoint	02
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
MTH 112A	College Algebra	04
PSY 101	Human Relations	04
PSY 231	Organizational Psychology	04
SCI 215	Integrated Physics	04
SOC 201	Sociology	04
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04
SPK 401A	Professional Speaking	04
WRI 115	Workplace Communication	04
WRI 301A	Report Writing	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

205

### CIVIL ENGINEERING

#### Bachelor of Science

According to the Bureau of Labor Statistics, civil engineers are expected to have employment growth of 20 percent over the projections decade, much faster than the average for all occupations. Spurred by general population growth and the related need to improve the Nation's infrastructure, more civil engineers will be needed to design and construct or expand transportation, water supply, and pollution control systems, and buildings and building complexes. Civil engineers design and supervise the construction of roads, buildings, airports, tunnels, dams, bridges, and water supply and sewage systems. They must consider many factors in the design process from the construction costs and expected lifetime of a project to government regulations and potential environmental hazards such as earthquakes and hurricanes. This program will prepare students to enter this exciting, high demand field enabling graduates to pursue challenging and rewarding careers.



Course Number	Course Title	Quarter Hours
<b>CIVIL ENGINEERING MAJOR - 159 HOURS</b>		
CE 201	Surveying	04
CE 311	Structural Analysis I	04
CE 312	Structural Analysis II	04
CE 341	Fluid Mechanics	04
CE 345	Soils Mechanics	04
CE 361	Introduction to Environmental Engineering	04
CE 381	Traffic Engineering	04
CE 411	Water Resources Engineering	04
CE 451	Steel Design	04
CE 455	Reinforced Concrete Design	04



## ENGINEERING/TECHNOLOGY PROGRAMS - BACHELOR DEGREES

CE	481	Professional Practice	02
CE	491	Engineering Project Management	04
CE	498	Senior Design Project I	02
CE	499	Senior Design Project II	02
EGR	101	Engineering Graphics	04
EGR	105	Introduction to Engineering and Design	04
EGR	111	Technical Communications for Engineering Sciences	04
EGR	171	Computing for Engineers	04
EGR	321	Engineering Economy I	04
ME	201	Statics	04
ME	211	Solid Mechanics	04
ME	281	Materials Science	04
ME	321	Dynamics	04
MTH	124	Trigonometry	04
MTH	141A	Calculus I	04
MTH	142	Calculus II	04
MTH	143	Calculus III	04
MTH	244	Calculus IV	04
MTH	251	Introduction to Differential Equations	04
MTH	261	Linear Algebra	04
MTH	401	Statistical Methods	04
SCI	247	Chemistry II	04
SCI	251	General Physics I	04
SCI	252	General Physics II	04
SCI	253	General Physics III	04
SCI	451	Environmental Science	04
TEC	320A	Technical Elective	04
TEC	320B	Technical Elective	04
TEC	320C	Technical Elective	04
TEC	320D	Technical Elective	04
WRK	291B	Professional Career Strategies	01
WRK	301	Internship	04

### GENERAL EDUCATION REQUIREMENTS - 60 HOURS

ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
POL	201A	American Political Systems	04
PSY	101	Human Relations	04
PSY	231	Organizational Psychology	04
SCI	246	Chemistry I	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
SPK	401A	Professional Speaking	04
WRI	115	Workplace Communication	04

### QUARTER HOURS REQUIRED FOR GRADUATION

219

## CONSTRUCTION MANAGEMENT

### Bachelor of Science

This program provides an education focusing on critical thinking that blends management with technology and liberal arts for a career in construction and related industries. The graduate provides leadership while working with the owner, architect, engineer, developer, contractor, and governmental agencies, using their professional knowledge to oversee the construction process. Graduates learn various skills to manage construction projects globally and sustainably to maximize product and overall project value for owners. A combination of architecture, construction, and management courses provide a strong foundation in the critical skills and knowledge needed by professionals. The program emphasizes project management skills rather than craft skills. Graduates of this program may begin their careers in a variety of positions involving construction project management, cost estimating, construction safety, project planning/scheduling, and contract administration.



Course Number	Course Title	Quarter Hours
<b>CONSTRUCTION MANAGEMENT MAJOR - 122 HOURS</b>		
ACC	121 Fundamentals of Accounting I	04
ACC	122 Fundamentals of Accounting II	04
ACT	103 Computer Aided Architectural Drawing I	04
ACT	104 Building Materials and Construction	04
ACT	105A Surveying	02
ACT	191A Blueprint Reading for Architecture	02
ACT	192A Construction Documents Analysis	02
ACT	201 Structural Analysis	04
ACT	202 Mechanical Systems	04
ACT	203 Construction Cost/Estimating	04
ACT	204B Builder License/Laws	03
AT	321 Structural Design I	04
AT	322 Structural Design II	04
AT	421 Building Systems (MEP)	04
CM	301 Design-Build	04
CM	306 Advanced Surveying	04
CM	311 Construction Safety	04
CM	401 Advanced Building Technologies	04
CM	406 Construction Estimating and Bidding	04
CM	411 Legal Aspects of Construction	04
CM	416 Construction Contract Administration	04
CM	421 Sustainable and Energy Efficient Design and Construction	04
CM	431 Construction Project Scheduling	04
CM	491 Construction Project Management	04
IND	301 Building Codes and Construction	04
MGT	250 Conflict Management	04
MKT	111B Principles of Marketing	04
MTH	124 Trigonometry	04
PPM	301 Project Management	04
PPM	311 Project Planning	04
PPM	401 Project Cost and Budget Management	04
WRK	291B Professional Career Strategies	01
WRK	301 Internship	04

### GENERAL EDUCATION REQUIREMENTS - 72 HOURS

ELECT	121A	Communication Elective	04
ELECT	121B	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
PSY	101	Human Relations	04
SCI	215	Integrated Physics	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

### QUARTER HOURS REQUIRED FOR GRADUATION

194





## ELECTRICAL ENGINEERING

### Bachelor of Science

President Obama says the United States is suffering from a pronounced shortage of engineers, and he has called on the private sector to annually train 10,000 new engineers. He says, "We've made incredible progress on education, helping students to finance their college educations, but we still don't have enough engineers." Electrical and electronic engineers design, develop, test, and supervise the manufacture of electrical and electronic equipment, such as electric motors, control systems, radar and navigation systems, and communication systems. Traditionally electronics engineers focus on electronic systems, instrumentation, control systems, signal processing and telecommunications, while electrical engineers focus on power and energy transmission applications, including renewable energy sources and other green technologies. The Electrical Engineering program at Baker College will prepare students for either of these exciting, high-demand fields enabling graduates to pursue challenging and rewarding careers.



Course Number	Course Title	Quarter Hours
<b>ELECTRICAL ENGINEERING MAJOR - 161 HOURS</b>		
CS 111	Introduction to Programming	04
CS 217A	C++ Programming	04
EE 311A	Circuit Analysis I	04
EE 312	Circuit Analysis II	04
EE 321A	Digital Logic and Circuits I	04
EE 322	Digital Logic and Circuits II	04
EE 331A	Electronic Circuits I	04
EE 332	Electronic Circuits II	04
EE 341	Electromagnetic Fields and Waves	04
EE 361	Dynamic Systems and Control	04
EE 411	Signals and Systems	04
EE 421	Microprocessors and Microcontrollers	03
EE 426	Microprocessor/Automation Control Lab	02
EE 431	Automation and Control	03
EE 441	Communication Systems and Circuits	04
EE 451	Energy Conversion and Power Electronics	04
EE 491	Engineering Project Management	04
EE 498	Senior Design Project I	02
EE 499	Senior Design Project II	02
EGR 105	Introduction to Engineering and Design	04
EGR 111	Technical Communications for Engineering Sciences	04
EGR 171	Computing for Engineers	04
EGR 321	Engineering Economy I	04
ME 281	Materials Science	04
MTH 124	Trigonometry	04
MTH 141A	Calculus I	04
MTH 142	Calculus II	04
MTH 143	Calculus III	04
MTH 244	Calculus IV	04
MTH 251	Introduction to Differential Equations	04
MTH 261	Linear Algebra	04

MTH 340	Discrete Mathematics	04
MTH 401	Statistical Methods	04
SCI 247	Chemistry II	04
SCI 251	General Physics I	04
SCI 252	General Physics II	04
SCI 253	General Physics III	04
TEC 310A	Technical Elective	04
TEC 310B	Technical Elective	04
TEC 310C	Technical Elective	04
TEC 310D	Technical Elective	04
WRK 291B	Professional Career Strategies	01
WRK 301	Internship	04

### GENERAL EDUCATION REQUIREMENTS - 60 HOURS

ELECT 131A	Global and Cultural Perspectives Elective	04
ENG 101	Composition I	04
ENG 102	Composition II	04
HUM 401A	Philosophy of Ethics	04
MTH 111	Introductory Algebra	04
MTH 112A	College Algebra	04
PSY 111	General Psychology	04
PSY 231	Organizational Psychology	04
SCI 246	Chemistry I	04
SOC 201	Sociology	04
SOC 321	Cultural Diversity	04
SOC 341	Global Perspectives	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04

### SELECT 1 COURSE FROM THE FOLLOWING:

SPK 211	Group Dynamics	04
SPK 401A	Professional Speaking	04

### QUARTER HOURS REQUIRED FOR GRADUATION

221

## INDUSTRIAL ENGINEERING

### Bachelor of Science

Industrial engineers work in manufacturing, service industries, entertainment industries, healthcare organizations, shipping and logistics, and many other organizations. They focus on improving productivity and efficiency, and reducing costs while ensuring the quality of products and services, as well as the safety of the workplace. Industrial engineers often transition to managerial positions due to their combined engineering and business background and exposure. This program prepares graduates for entry-level positions in this exciting field. The need for industrial engineers continues to grow as companies strive to control costs and maintain a competitive edge.



Course Number	Course Title	Quarter Hours
<b>INDUSTRIAL ENGINEERING MAJOR - 145 HOURS</b>		
CQI 311	Statistical Process Control I	04
CQI 312	Statistical Process Control II	04
CQI 421	Design of Experiments	04
ECN 201	Principles of Macroeconomics	04
EET 111A	Electrical Technology	04
EGR 101	Engineering Graphics	04
EGR 105	Introduction to Engineering and Design	04
EGR 111	Technical Communications for Engineering Sciences	04



## ENGINEERING/TECHNOLOGY PROGRAMS - BACHELOR DEGREES

EGR	321	Engineering Economy I	04
ISE	311	Manufacturing Processes	04
ISE	331	Introduction to Industrial and Systems Engineering	04
ISE	335	Work Analysis and Design	04
ISE	411	Computer Integrated Manufacturing	04
ISE	421	Introduction to Operations Research	04
ISE	431	Facilities Design	04
ISE	491	Engineering Project Management	04
ISE	498	Senior Design Project I	02
ISE	499A	Senior Design Project II	02
LNK	411	Six Sigma Basics-Green Belt	04
ME	107	Introduction to 3-D Modeling	04
ME	201	Statics	04
ME	281	Materials Science	04
ME	350	Ergonomics for Engineers	04
MGT	211	Management and Supervision	04
MTH	124	Trigonometry	04
MTH	141A	Calculus I	04
MTH	142	Calculus II	04
MTH	143	Calculus III	04
MTH	244	Calculus IV	04
MTH	261	Linear Algebra	04
MTH	401	Statistical Methods	04
SCI	247	Chemistry II	04
SCI	251	General Physics I	04
SCI	253	General Physics III	04
SCI	451	Environmental Science	04
WRK	291B	Professional Career Strategies	01
WRK	301	Internship	04

### SELECT 1 COURSE FROM THE FOLLOWING:

EGR	322	Engineering Economy II	04
ISE	435	Manufacturing Strategies	04

### GENERAL EDUCATION REQUIREMENTS - 64 HOURS

ELECT	131A	Global and Cultural Perspectives Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
PSY	111	General Psychology	04
PSY	231	Organizational Psychology	04
SCI	246	Chemistry I	04
SOC	201	Sociology	04
SOC	321	Cultural Diversity	04
SOC	341	Global Perspectives	04
SPK	201	Oral Communication	04
SPK	401A	Professional Speaking	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

**QUARTER HOURS REQUIRED FOR GRADUATION 209**

## INDUSTRIAL TECHNOLOGY

### Bachelor of Science

This program prepares an individual for employment in a broad range of industries where the efficient integration of machines, people, and computers are critical to the success of organizations. Industrial technologists are involved in the design, installation, and improvement of integrated systems in diverse areas such as computer, education, financial, government, healthcare, and manufacturing organizations.

### PROGRAM REQUIREMENTS:

ASSOCIATE DEGREE OR APPROVED EQUIVALENT OF 90 QUARTER HOURS FROM AN ACCREDITED INSTITUTION TO INCLUDE SPECIFIC BUSINESS AND GENERAL EDUCATION PROGRAM PREREQUISITES. (MINIMUM GPA 2.0)



**Course Number Course Title Quarter Hours**

### APPROVED CREDIT - 50 HOURS

### REQUIRED COURSES - 40 HOURS

ELECT	161A	Computer Literacy Elective	02
ELECT	161B	Computer Literacy Elective	02
ELECT	161C	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
MTH	124	Trigonometry	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

### SELECT 1 COURSE FROM THE FOLLOWING:

CAD	121	3-D CAD I	04
CAD	221A	Catia	08
CAD	226A	Unigraphics	08
CAD	231A	Pro/ENGINEER	08
CAD	236A	SolidWorks	08
ME	107	Introduction to 3-D Modeling	04

### INDUSTRIAL TECHNOLOGY MAJOR - 56 HOURS

CQI	311	Statistical Process Control I	04
CQI	312	Statistical Process Control II	04
CQI	421	Design of Experiments	04
EGR	105	Introduction to Engineering and Design	04
EGR	321	Engineering Economy I	04
ISE	311	Manufacturing Processes	04
ISE	331	Introduction to Industrial and Systems Engineering	04
ISE	335	Work Analysis and Design	04
ISE	431	Facilities Design	04
ISE	491	Engineering Project Management	04
ISE	498	Senior Design Project I	02
ISE	499A	Senior Design Project II	02
MGT	211	Management and Supervision	04

### SELECT 1 COURSE FROM THE FOLLOWING:

ISE	411	Computer Integrated Manufacturing	04
MGT	422	Operations Management	04

### SELECT 1 COURSE FROM THE FOLLOWING:

EGR	322	Engineering Economy II	04
ISE	435	Manufacturing Strategies	04

### GENERAL EDUCATION REQUIREMENTS - 48 HOURS

ECN	201	Principles of Macroeconomics	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
HUM	401A	Philosophy of Ethics	04
MTH	401	Statistical Methods	04
PSY	111	General Psychology	04
PSY	231	Organizational Psychology	04
SOC	201	Sociology	04
SOC	321	Cultural Diversity	04
SPK	401A	Professional Speaking	04
WRI	301A	Report Writing	04

### SELECT 1 COURSE FROM THE FOLLOWING:

SCI	215	Integrated Physics	04
SCI	451	Environmental Science	04

**QUARTER HOURS REQUIRED FOR GRADUATION 194**



## INTERIOR DESIGN

### Bachelor of Science

This program is designed to enhance residential design skills with a concentration in commercial design. Design projects prepare students to work in a contract design studio and/or architectural facility. Students select and specify appropriate materials and furnishings according to industry codes and standards, and apply knowledge to manual and computer generated drawings. Current building codes and guidelines will be applied to contractual documents in compliance with sustainable and universal design. Presentational skills are proficiently applied to advanced rendering illustrations and oral presentations. Business courses enhance professionalism and provide a solid foundation for dealing with the corporate world. The program and courses were designed in accordance with the CIDA (Council for Interior Design Accreditation) Professional Standards.



Course Number	Course Title	Quarter Hours
<b>INTERIOR DESIGN MAJOR - 123 HOURS</b>		
ACT 205	Computer Aided Architectural Drawing II	04
IND 100	Introduction to Interior Design	04
IND 102	Workroom Practices	04
IND 104	Interior Design Business Practices	04
IND 105C	Textiles	04
IND 111A	Space Planning I	04
IND 112A	Space Planning II	04
IND 121	Interior Design Graphics	04
IND 131	Introduction to CAD	02
IND 151	Interior Design Sales	04
IND 201	History of Furnishing	04
IND 202	Rendering Techniques and Perspectives	04
IND 214	20-20 CAD	02
IND 221	Building Systems	04
IND 231	Studio Bath	04
IND 241	Studio Kitchen	04
IND 253A	Portfolio Projects	04
IND 301	Building Codes and Construction	04
IND 321	Advanced Rendering Techniques and Perspectives	04
IND 331	3-D Modeling	04
IND 341	Universal Design	04
IND 351	Sustainable Design	04
IND 361	Healthcare Design	04
IND 401	Lighting Design	04
IND 421	Historical Preservation	04
IND 431	Commercial Design I	04
IND 432	Commercial Design II	04
IND 491	Senior Design Studio	04
IND 499	Senior Design Portfolio	02
WRK 291B	Professional Career Strategies	01

#### SELECT 1 COURSE FROM THE FOLLOWING:

ACT 103	Computer Aided Architectural Drawing I	04
IND 215	Interior Design CAD	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

ACT 202	Mechanical Systems	04
IND 141	Electrical and Mechanical Factors	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

WRK 265	Kitchen and Bath Design Work Experience	04
WRKTC 201	Work Experience	04

#### GENERAL EDUCATION REQUIREMENTS - 68 HOURS

ENG 101	Composition I	04
ENG 102	Composition II	04
ENG 311	Creative Writing	04
HUM 101B	Art and Architecture I (Antiquity to Renaissance)	04
HUM 102B	Art and Architecture II (Baroque to Modern)	04
HUM 401A	Philosophy of Ethics	04
INF 113	Electronic Spreadsheets	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 109	College Mathematics II	04
PSY 101	Human Relations	04
PSY 231	Organizational Psychology	04
SCI 451	Environmental Science	04
SOC 201	Sociology	04
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04
SPK 401A	Professional Speaking	04
WRI 115	Workplace Communication	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

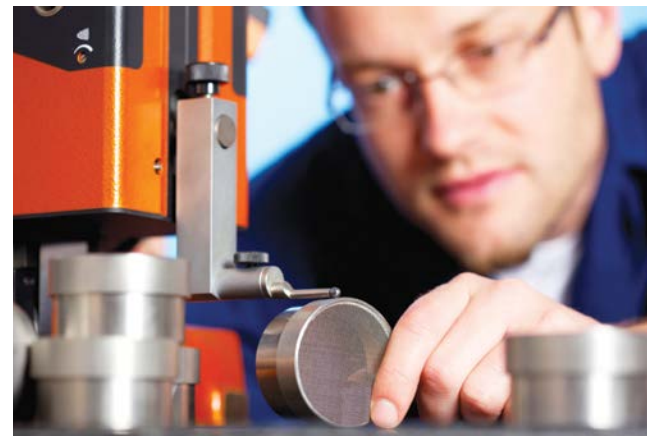
**191**

## MECHANICAL ENGINEERING

### Bachelor of Science

The mission of the Baker College Department of Mechanical Engineering is to provide quality higher education and training in the fundamental principles and sound practice of engineering which will enable graduates to be an asset to society and successful throughout challenging and rewarding careers. Mechanical engineers are involved in the design, development, manufacturing and testing of a wide array of mechanical devices, systems, and processes. They work in diverse areas such as power generation and utilities, aerospace, automotive and transportation, automation and robotics, environmental, chemical, computer, and biomedical industries. Mechanical engineers also work in research, education, and consulting. In all these fields they combine creativity and use of engineering principles to improve the quality of our lives. Courses from programs not accredited by Engineering Accreditation Commission of ABET will not be accepted for transfer at the 200 level or above, unless supported by detailed curriculum documentation, subject to approval by the Dean.

This program is accredited by the Engineering Accreditation Commission of ABET, Inc., 111 Market Place, Suite 1050, Baltimore, MD 21202-4012; (410) 347-7700. Web address: <http://www.abet.org>. This program is accredited on the Flint campus.







Course Number	Course Title	Quarter Hours
<b>MECHANICAL ENGINEERING MAJOR - 163 HOURS</b>		
EE 311	Circuit Analysis	04
EGR 101	Engineering Graphics	04
EGR 105	Introduction to Engineering and Design	04
EGR 111	Technical Communications for Engineering Sciences	04
EGR 171	Computing for Engineers	04
EGR 321	Engineering Economy I	04
ISE 311	Manufacturing Processes	04
ME 107	Introduction to 3-D Modeling	04
ME 201	Statics	04
ME 211	Solid Mechanics	04
ME 281	Materials Science	04
ME 301	Introduction to CAE	04
ME 321	Dynamics	04
ME 325	Kinematics	04
ME 331	Thermodynamics	04
ME 341	Fluid Mechanics I	04
ME 351	Mechanical Design I	04
ME 352	Mechanical Design II	04
ME 361	Dynamic Systems and Control	04
ME 371	Heat Transfer	04
ME 376	Thermo Systems Lab	02
ME 421	Vibrations	04
ME 491	Engineering Project Management	04
ME 498	Senior Design Project I	02
ME 499A	Senior Design Project II	02
MTH 124	Trigonometry	04
MTH 141A	Calculus I	04
MTH 142	Calculus II	04
MTH 143	Calculus III	04
MTH 244	Calculus IV	04
MTH 251	Introduction to Differential Equations	04
MTH 261	Linear Algebra	04
MTH 401	Statistical Methods	04
SCI 247	Chemistry II	04
SCI 251	General Physics I	04
SCI 252	General Physics II	04
SCI 253	General Physics III	04
TEC 300A	Technical Elective	04
TEC 300B	Technical Elective	04
TEC 300C	Technical Elective	04
TEC 300D	Technical Elective	04
WRK 291B	Professional Career Strategies	01
WRK 301	Internship	04
<b>GENERAL EDUCATION REQUIREMENTS - 60 HOURS</b>		
ELECT 131A	Global and Cultural Perspectives Elective	04
ENG 101	Composition I	04
ENG 102	Composition II	04
HUM 401A	Philosophy of Ethics	04
MTH 111	Introductory Algebra	04
MTH 112A	College Algebra	04
PSY 111	General Psychology	04
PSY 231	Organizational Psychology	04
SCI 246	Chemistry I	04
SOC 201	Sociology	04
SOC 321	Cultural Diversity	04
SOC 341	Global Perspectives	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
SPK 211	Group Dynamics	04
SPK 401A	Professional Speaking	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>223</b>

## SERVICE MANAGEMENT

### Bachelor of Science

This program prepares an individual for employment in the auto/diesel or heating and cooling service industry with a focus on managerial operations in a customer-oriented service environment. Graduates will typically find employment as service managers or parts managers in a service/repair facility.

### Choose from the following two track options:

#### AUTOMOTIVE/DIESEL:

This track prepares an individual for employment in the automotive or diesel service industry with a focus on managerial operations in a customer-oriented service environment. Graduates will typically find employment as service managers or parts managers in a dealership or independent repair facility.

Entry into this track requires an Associate Degree in Auto Service, Diesel Service, or Collision Repair, or an approved equivalent of 90 quarter hours from an accredited institution that include specific general education program prerequisites. (Minimum GPA 2.0)

#### HVAC:

This track prepares an individual for employment in the heating and cooling service industry with a focus on managerial operations in a customer-oriented service environment. Graduates will typically find employment as service managers in an HVAC business.

Entry into this track requires an Associate Degree in HVAC or approved equivalent of 90 quarter hours from an accredited institution to include specific general education program prerequisites. (Minimum GPA 2.0)



Course Number	Course Title	Quarter Hours
<b>APPROVED CREDIT</b>		<b>62</b>
<b>REQUIRED COURSES - 28 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 113	Electronic Spreadsheets	02
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SERVICE MANAGEMENT MAJOR - 44 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
CIS 313A	Intermediate Spreadsheets	04
EN 211	Human Resources for Entrepreneurs	04
EN 221	Finance for Entrepreneurs	04
EN 231	Marketing for Entrepreneurs	04
MGT 101	Introduction to Business	04
MGT 141	Principles of Management	04



MGT	212A	Staffing and Performance Management	04
MKT	111B	Principles of Marketing	04
SM	411	Customer Relations Management	04
WRK	301	Internship	04

**GENERAL EDUCATION REQUIREMENTS - 40 HOURS**

ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
HUM	401A	Philosophy of Ethics	04
MTH	112A	College Algebra	04
PSY	231	Organizational Psychology	04
SCI	451	Environmental Science	04
SOC	201	Sociology	04
SOC	321	Cultural Diversity	04
SPK	211	Group Dynamics	04
WRK	301	Internship	04

**SELECT 1 TRACK FROM THE FOLLOWING:****AUTO/DIESEL SERVICE MANAGEMENT - 16 HOURS**

SM	311	Industry Trends in Auto/Diesel Service	04
SM	321	Introduction to Auto/Diesel Service Operations Planning	04
SM	441	Auto/Diesel Service Operations Planning I	04
SM	442	Auto/Diesel Service Operations Planning II	04

**HVAC SERVICE MANAGEMENT - 16 HOURS**

SM	316	Industry Trends in HVAC Service	04
SM	326	Introduction to HVAC Service Operations Planning	04
SM	446	HVAC Service Operations Planning I	04
SM	447	HVAC Service Operations Planning II	04

**QUARTER HOURS REQUIRED FOR GRADUATION 190****ELECTIVES****GENERAL EDUCATION ELECTIVES**

Course Number	Course Title	Quarter Hours
<b>COMMUNICATION ELECTIVES (Associate Degree)</b>		
<b>ELECT 120A</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04

**COMMUNICATION ELECTIVES (Bachelor Degree)**

<b>ELECT 121A</b>	<b>Communication Elective</b>	
<b>ELECT 121B</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04
WRI 301A	Report Writing	04

**COMPUTER LITERACY ELECTIVES**

<b>ELECT 161A</b>	<b>Computer Literacy Elective</b>	
<b>ELECT 161B</b>	<b>Computer Literacy Elective</b>	
<b>ELECT 161C</b>	<b>Computer Literacy Elective</b>	
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 121	Introduction to Windows	02
INF 141A	Microsoft PowerPoint	02

**GLOBAL AND CULTURAL PERSPECTIVES ELECTIVES (Bachelor Degree)**

<b>ELECT 131A</b>	<b>Global and Cultural Perspectives Elective</b>	
<b>ELECT 131B</b>	<b>Global and Cultural Perspectives Elective</b>	
ECN 301	International Economics	04
GEO 101B	World Geography I	04
GEO 102B	World Geography II	04
HIS 301	Women's Studies	04
HIS 351	World History I	04
HIS 352	World History II	04
HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
HUM 101B	Art and Architecture I (Antiquity to Renaissance)	04
HUM 102B	Art and Architecture II (Baroque to Modern)	04
HUM 353	Art Appreciation	02
HUM 357	Music Appreciation	02
ITP 111	American Sign Language I	04
ITP 112	American Sign Language II	04
POL 401	International Relations	04
SOC 341	Global Perspectives	04
SPN 101	Spanish I	04
SPN 102	Spanish II	04
SPN 103	Spanish III	04



## ENGINEERING/TECHNOLOGY PROGRAMS - ELECTIVES

### PERSONAL AND SOCIAL ENVIRONMENTS ELECTIVES (Bachelor Degree)

ELECT	141A	Personal and Social Environments Elective	
ELECT	141B	Personal and Social Environments Elective	
ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
POL	201A	American Political Systems	04
PSY	211	Psychology of Death and Dying	04
PSY	221	Developmental Psychology	04
PSY	231	Organizational Psychology	04
PSY	335	Human Sexuality	04
PSY	351	Adolescent Psychology	04
PSY	401	Social Psychology	04
SOC	201	Sociology	04
SOC	301	Social Problems	04

### SCIENTIFIC INQUIRY ELECTIVES (Bachelor Degree)

ELECT	111A	Scientific Inquiry Elective	
SCI	101C	Human Anatomy and Physiology I	05
SCI	111	Biology	05
SCI	215	Integrated Physics	04
SCI	220A	Microbiology	05
SCI	246	Chemistry I	04
SCI	251	General Physics I	04
SCI	321	Principles of Astronomy	04
SCI	451	Environmental Science	04

### TECHNICAL ELECTIVES

Course Number Course Title Quarter Hours

#### AUTOMOTIVE SERVICES TECHNOLOGY ELECTIVES

AST	100A	Automotive Services Technology Elective	
AST	100B	Automotive Services Technology Elective	
AST	100D	Automotive Services Technology Elective	
AST	100E	Automotive Services Technology Elective	
ABT	151	MIG Welding	05
AST	102	Engine Performance I	06
AST	103	Engine Performance II	06
AST	122	Engine Repair II	04
AST	211	Introduction to Hybrid Vehicles	04
AST	221A	Automotive Brake Service	06
AST	231A	Automotive Suspension/Steering	06
AST	241A	Heating/Air Conditioning	06
AST	251	Automatic Transmission and Transaxle	08
AST	261	Manual Drive Train and Axles	06
DSL	151	Welding for Heavy Duty Repair	04

#### CIVIL ENGINEERING TECHNICAL ELECTIVES

TEC	320A	Civil Engineering Technical Elective	
TEC	320B	Civil Engineering Technical Elective	
TEC	320C	Civil Engineering Technical Elective	
TEC	320D	Civil Engineering Technical Elective	
CE	321	Design of Bridges	04
CE	325	Geometric Design of Highways and Airports	04
CE	351	Pre-Stressed Concrete Design	04
CE	355	Structural Timber Design	04
CE	358	Pavement Design	04
CE	371	Geotechnical Engineering	04
CE	385	Transportation Engineering	04
CE	415	Hydrology	04
CE	421	Hydraulics	04
CE	431	Water Treatment Principles	04
CE	435	Wastewater Collection Systems	04
CE	438	Solid Waste Principles	04
EGR	395	Engineering Research	04

### DIESEL SERVICE TECHNOLOGY ELECTIVES

DSL	100A	Diesel Service Technology Elective	
DSL	100B	Diesel Service Technology Elective	
AG	221	Agriculture Equipment and Tooling	04
DSL	211	CDL Preparation for Diesel Service Technician	04
DSL	241	Heavy-Duty Heating/Air Conditioning	06
DSL	251	Auxiliary Systems	04
DSL	261	Heavy Duty Drive Trains	06
DSL	285	Power Generation	04
DSL	291	Hydraulics	05

### ELECTRICAL ENGINEERING TECHNICAL ELECTIVES

TEC	310A	Electrical Engineering Technical Elective	
TEC	310B	Electrical Engineering Technical Elective	
TEC	310C	Electrical Engineering Technical Elective	
TEC	310D	Electrical Engineering Technical Elective	
CIS	310	Visual BASIC	04
CIS	404	Advanced Computer Architecture	04
EGR	395	Engineering Research	04
ME	331	Thermodynamics	04
ME	341	Fluid Mechanics	04
ME	381	Mechatronics	04

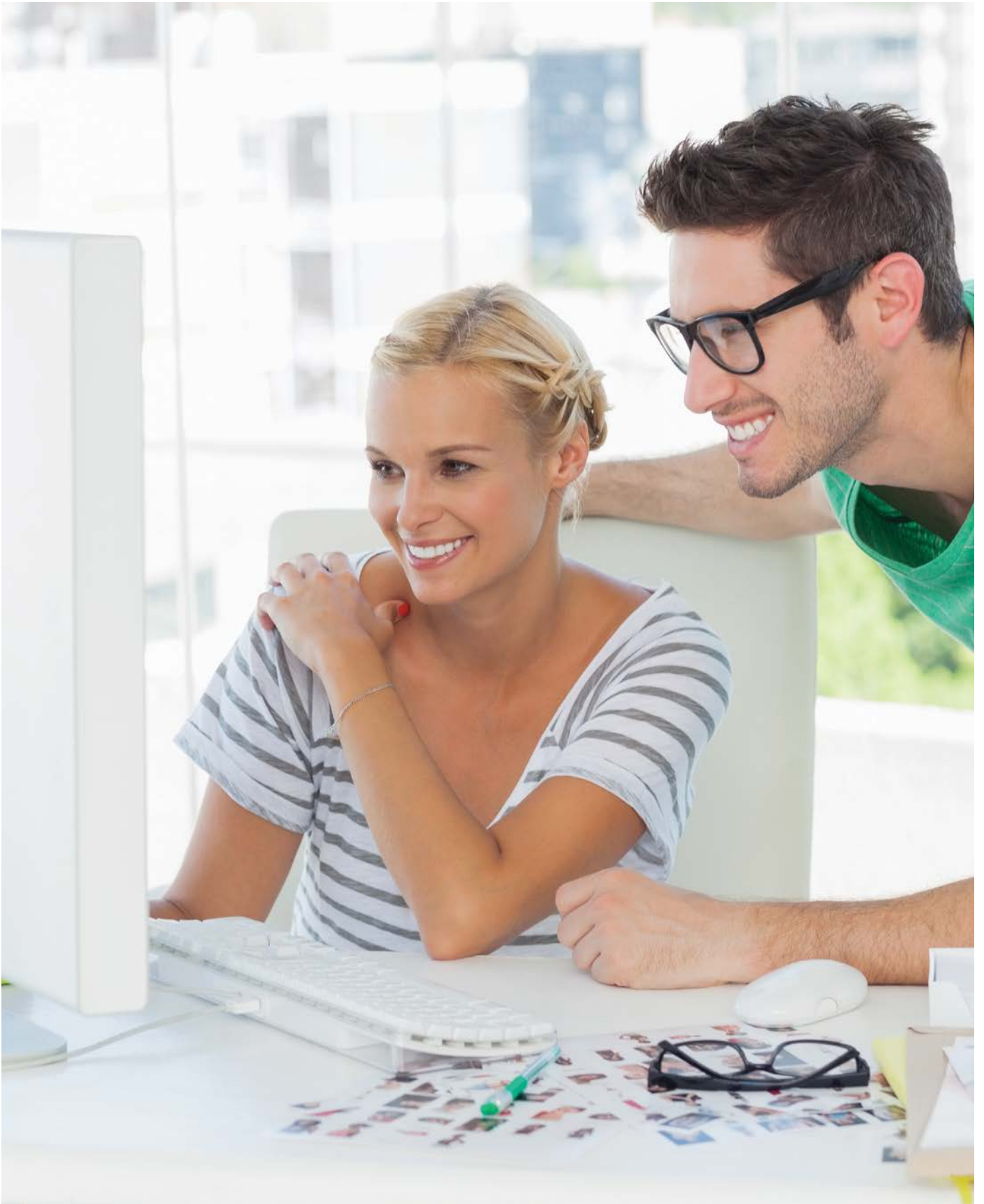
### MECHANICAL ENGINEERING TECHNICAL ELECTIVES

TEC	300A	Mechanical Engineering Technical Elective	
TEC	300B	Mechanical Engineering Technical Elective	
TEC	300C	Mechanical Engineering Technical Elective	
TEC	300D	Mechanical Engineering Technical Elective	
EGR	395	Engineering Research	04
ME	305	Introduction to FEA	04
ME	306	Intermediate FEA	04
ME	311	Biomechanics and Biomaterials	04
ME	342	Fluid Mechanics II	04
ME	350	Ergonomics for Engineers	04
ME	381	Mechatronics	04
ME	425	Noise, Vibration, and Harshness	04
ME	495	Engineering Topics	04
ME	495A	Engineering Topics: CAE with Solidworks	04
ME	495B	Engineering Topics: Alternative Energies	04

For more information or to see program videos, please visit [baker.edu](http://baker.edu).









**As the population ages, demand for skilled healthcare practitioners will continue to grow, creating more career opportunities than any other field. Since 2009, 37% of all new jobs have been created in the healthcare sector. Between 2012 and 2022 it will add up to 5 million new jobs! This demand is also driving up salaries. Since 2006, healthcare has seen the biggest wage increase of any sector of the economy.**

Many of the courses and programs at Baker College are offered in an online delivery format. See page 153 for Baker College Online programs. Contact your campus Academic/Administrative Office for details about Online courses.

A new student may choose an "Undeclared but Degree Seeking" program. A student also may add a limited number of "Student Elected Classes" to his/her program with the approval of an Academic Advisor. Information about both of these options, including course and credit hour limitations, can be obtained in the Academic Office.

Information regarding double majors and/or minors is located on page 241. Contact your campus academic staff to discuss requirements.

Students may be required to pass a health screening and a criminal background check prior to particular courses, admittance into programs, or for their clinical externship. This applies to all health programs.

\*Enrollment into the professional track of some programs is limited due to clinical site availability. Students compete to earn acceptance into these programs. Selection criteria have been developed to choose the most qualified students for limited enrollment programs. Students who have successfully completed the prerequisite courses for their program are eligible to apply for admission into the professional track of the program. Refer to the program information supplement for program specific details on the application process, the criteria used, and the courses used in the GPA calculations. Disclosure information regarding gainful employment for certificate programs can be found at [www.baker.edu/gainfulemployment](http://www.baker.edu/gainfulemployment).





## HEALTH SCIENCES UNDERGRADUATE PROGRAMS

### CERTIFICATES

Emergency Medical Technician - Basic .....	PG. 112
Emergency Medical Technician - Paramedic .....	PG. 112
Opticianry .....	PG. 112
Phlebotomy Technician .....	PG. 113
Sterile Processing Technician .....	PG. 113
Therapeutic Massage .....	PG. 114
Veterinary Assistant .....	PG. 114

### ASSOCIATE DEGREES

#### Associate of Applied Science

Cardiac Sonography .....	PG. 115
Coding Specialist .....	PG. 115
Dental Hygiene .....	PG. 116
Diagnostic Medical Sonography .....	PG. 117
Emergency Services Management .....	PG. 117
Health Information Technology .....	PG. 118
Health Navigator .....	PG. 118
Hemodialysis Patient Care Technician .....	PG. 119
Medical Assistant .....	PG. 119
Medical Insurance Specialist .....	PG. 120
Medical Laboratory Technician .....	PG. 120

Medical Administrative Specialist .....	PG. 121
Occupational Therapy Assistant .....	PG. 121
Opticianry .....	PG. 122
Orthotic/Prosthetic Technology .....	PG. 122
Pharmacy Technician .....	PG. 123
Physical Therapist Assistant .....	PG. 123
Polysomnographic Technology .....	PG. 124
Radiologic Technology .....	PG. 124
Respiratory Care .....	PG. 125
Surgical Technology .....	PG. 125
Therapeutic Massage .....	PG. 126
Vascular Ultrasound Technology .....	PG. 126
Veterinary Technology .....	PG. 127

### BACHELOR DEGREES

#### Bachelor of Science

Health Services Administration .....	PG. 128
Pre-Occupational Therapy .....	PG. 128
Radiation Therapy .....	PG. 129

### ELECTIVES

General Education Electives .....	PG. 130
-----------------------------------	---------







## CERTIFICATE PROGRAMS

### EMERGENCY MEDICAL TECHNICIAN - BASIC (EMT) Certificate

The Emergency Medical Technician-Basic program serves as entry-level training to students looking to pursue a career in emergency medical care. EMTs work in emergency response vehicles, hospitals, dialysis units, casinos, and other areas where an emergency could arise. Rapid in-field treatment and transport to higher medical providers is the primary coursework. Hospital rooms and ambulances will become the hands-on classrooms for Baker College students as they gain the needed real world experience of becoming qualified Emergency Medical Technicians.

The Emergency Medical Technician level is the minimum licensure level for personnel transporting patients in ambulances. The scope of practice is limited to basic skills that can be performed safely with medical oversight and limited training.

This program provides a thorough understanding of the role of the emergency medical technician and stresses recognition of abnormal conditions through analysis of diagnostic signs and care for persons with specific illnesses or injury, at the scene and during transport to a medical facility. Successful completion of the program will make candidates eligible to apply for the National Registry of EMTs written exam, which is necessary for licensure in the state of Michigan.

The Emergency Medical Technician - Basic Program is approved by the Michigan Department of Community Health, PO Box 30670, 611 West Ottawa, Lansing, MI 48906; (517) 335-0918.

*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 24 HOURS</b>		
EMS 101	Basic EMT I	12
EMS 102	Basic EMT II	12
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>24</b>

### EMERGENCY MEDICAL TECHNICIAN - PARAMEDIC Certificate

The Paramedic is an allied health professional whose primary focus is to provide advanced emergency medical care for critical and emergent patients who access the emergency medical system. The Paramedic has the knowledge associated with, and is expected to be competent in, all of the skills of the EMR, EMT, and AEMT. The major difference between the Paramedic and the Basic Emergency Medical Technician is the ability to perform a broader range of advanced skills.

This program provides a thorough understanding of the role of the paramedic and stresses recognition of abnormal conditions through analysis of diagnostic signs and care for the persons with specific illnesses or injury, at the scene and during transport to a

medical facility. In addition, students will acquire knowledge and skills in advanced topics such as advanced airway, intravenous therapy, cardiology, pharmacology, pediatrics, and trauma care. Special considerations, such as response to incidents involving hazardous materials, terrorist incidents, and emergency vehicle operations are explored. Successful completion of the program will make candidates eligible to apply for the National Registry for EMTs written and practical exams which are necessary for licensure in the state of Michigan. A valid EMT License, certificate of completion, or any transcripts of post-secondary EMT basic education must be presented to the College before beginning EMS 201E.

The Baker College Paramedic program holds a Letter of Review, which is NOT a CAAHEP accreditation status, but is a status granted by the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) signifying that a program seeking initial accreditation has demonstrated sufficient compliance with the accreditation Standards through the Letter of Review Self Study Report (LSSR) and other documentation. Letter of Review is recognized by the National Registry of Emergency Medical Technicians (NREMT) for eligibility to take the NREMT's Paramedic credentialing examination(s); however, it is NOT a guarantee of eventual accreditation.

CoAEMSP, 8301 Lakeview Parkway Suite 111-312, Rowlett, TX 75088; Phone: (214) 703-8445, Fax: 214-703-8992; [www.coaemsp.org](http://www.coaemsp.org).

The Emergency Medical Technician-Paramedic Program is approved by the Michigan Department of Community Health, PO Box 30670, 611 West Ottawa, Lansing, MI 48906; (517) 335-0918.

*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 84 HOURS</b>		
EMS 101	Basic EMT I	12
EMS 102	Basic EMT II	12
EMS 201E	Paramedic Training I	12
EMS 202A	Paramedic Training II	12
EMS 203A	Paramedic Training III	12
EMS 204	Paramedic Training IV	12
EMS 205	Paramedic Training V	12
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>84</b>

### OPTICIANRY

#### Certificate

An optician is a professional who has the responsibility for the dispensing of eyewear, including spectacles, low-vision aids, and accessories. The optician may fabricate, verify, and fit eyeglasses, and other optical devices upon the written prescription of a medical doctor or doctor of optometry. An optician is responsible for analyzing and interpreting the prescription to determine the lenses that are best suited to the patient's lifestyle and visual needs. The optician takes measurements to insure proper lens placement in the frame, and must verify the accuracy of the finished product. The glasses are adjusted to the patient by the optician at the time of delivery. Courses in this program will prepare students for the American Board of Opticianry Certification examination. Students may also sit for state licensure or certification to practice this profession.

The Opticianry Program is accredited by the Commission on Opticianry Accreditation (COA), PO Box 592 Canton, NY 13617.

*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 42 HOURS</b>		
ENG 101	Composition I	04
INF 112	Word Processing	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
OP 101	Introduction to Opticianry	04
OP 111	Ocular Anatomy, Physiology, and Pathology	04
OP 121A	Optical Laboratory Theory	03
OP 211	Optical Theory I	03
OP 212	Optical Theory II	03
OP 221A	Optical Dispensing I Theory	03
OP 222A	Optical Dispensing II Theory	03
OP 261	Optical Dispensing Laboratory	03
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>42</b>

## PHLEBOTOMY TECHNICIAN

### Certificate

This program is designed to prepare students to work as a phlebotomy technician in a variety of medical settings. Students will learn the blood drawing skills in the College laboratory setting and by supervised phlebotomy experiences in medical settings. Additionally, students will understand the pre-analytical variables that affect laboratory specimens and how to work successfully as part of the extended laboratory team. After successful completion of this program students are eligible to sit for one of the national Phlebotomy Technician certification exams.

The Phlebotomy Technician Program at Baker College is approved by the National Accrediting Agency for Clinical Laboratory Sciences, (NAACLS), 5600 N. River Rd., Suite 720, Rosemont, IL 60018-5119; (773) 714-8880.

*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 39 HOURS</b>		
ENG 101	Composition I	04
HSC 104	Introduction to Disease	04
HSC 151	Introduction to Electronic Health Records	02
HSC 161	Legal Concepts to Medical Practice	02
INF 112	Word Processing	02
MED 103	Medical Terminology	04
PHL 101	Introduction to Phlebotomy	02
PHL 111	Phlebotomy Lab Skills	03
PHL 201	Phlebotomy Laboratory Integration	02
PHL 202	Phlebotomy Exam Review	02
PHL 225	Phlebotomy Internship	03
SCI 100F	Structure and Function of the Human Body	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>39</b>

## STERILE PROCESSING TECHNICIAN

### Certificate

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 cleaning, disinfection, sterilization and distribution of sterile supplies, instruments, and equipment used in various healthcare 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.

*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 36 HOURS</b>		
ELECT 161A	Computer Literacy Elective	02
ENG 101	Composition I	04
HSC 102	BLS Provider Training and First Aid	01
INF 161	Technology and Society	02
MED 103	Medical Terminology	04
SCI 100F	Structure and Function of the Human Body	04
SPT 101	Introduction to Sterile Processing	02
SPT 188B	Sterile Processing, Distribution, and Materials Management	04
SPT 192	Surgical Instrumentation, Decontamination, and Sterilization (with Lab)	04
WRK 227	Sterile Processing Technician Externship	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>36</b>

**THERAPEUTIC MASSAGE****Certificate**

Students are prepared to enter the field of massage therapy. The 600 contact hour program focuses on therapeutic massage techniques used in a clinical setting. Individuals will be prepared and eligible to take any nationally recognized certification examination including the National Certification Board of Therapeutic Massage and Bodywork (NCBTMB) or Massage and Bodywork Licensing Exam (MBLEX) needed for state licensure.

The Therapeutic Massage Program is accredited by the Commission on Massage Therapy Accreditation (COMTA). COMTA is located at 5335 Wisconsin Avenue NW, Suite 440, Washington, DC 20015; Phone: (202) 895-1518, Fax: (202) 895-1519; info@comta.org or www.comta.org.



*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 50 HOURS</b>		
ENG 101	Composition I	04
INF 161	Technology and Society	02
MSG 101	Massage Therapy I	04
MSG 102A	Massage Therapy II	03
MSG 111B	Anatomy of Movement I	03
MSG 112A	Anatomy of Movement II	03
MSG 121A	Energy-Based Massage Techniques	03
MSG 141A	Therapeutic Massage Techniques	03
MSG 152	Business and Ethics for Massage Therapists	04
MSG 171A	Documentation for Therapeutic Massage	03
MSG 211C	Pathology and Pharmacology for Therapeutic Massage	03
MSG 220A	Therapeutic Massage Lab I	02
MSG 221B	Therapeutic Massage Lab II	02
MSG 231C	Preparation for Certification Examination	02
SCI 100F	Structure and Function of the Human Body	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>50</b>

**VETERINARY ASSISTANT****Certificate**

This program prepares students with a comprehensive education in the discipline of veterinary assistant. Students will learn to assist the veterinarian and/or technician with animal care procedures. This includes animal restraint, basic grooming and bathing, filling and administering medications, sterilization of surgical and laboratory equipment, preparing exam rooms, and preparing lab specimens. Students will also learn basic veterinary office practices and provided client education in nutrition and dental care. Once students have successfully completed the Certificate in Veterinary Assisting, they are eligible to sit for the national certification exam and become credentialed as an Approved Veterinary Assistant (AVA).

*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 51 HOURS</b>		
ENG 101	Composition I	04
SCI 111	Biology	05
VA 106	Anatomy and Terminology for the Veterinary Assistant	04
VA 111	Clinical Applications for the Veterinary Assistant	04
VA 121	Examination Room Procedures for the Veterinary Assistant	04
VA 131	Office Procedures and Client Relations for the Veterinary Assistant	03
VA 141	Radiology Principles for the Veterinary Assistant	02
VA 151	Surgical Preparation and Assisting for the Veterinary Assistant	04
VA 201	Veterinary Assistant Internship	04
VA 211	Veterinary Assisting Board Review	04
VET 101A	Introduction to Veterinary Technology	05
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 111	Introductory Algebra	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>51</b>





## ASSOCIATE DEGREE PROGRAMS

### CARDIAC SONOGRAPHY

#### Associate of Applied Science

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.

The Cardiac Sonography program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 1361 Park Street, Clearwater, FL 33756; 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@jcahpo.org.

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
<b>CARDIAC SONOGRAPHY MAJOR - 94 HOURS</b>		
CAS 105	EKG Technology	04
CAS 121	Introduction to Echocardiography	03
CAS 141	Cardiovascular Procedures	02
CAS 201	Fundamentals of Sonography	04
CAS 202	Cross-Sectional Sonography	04
CAS 210	Advanced Sonography - Valve Disease	04
CAS 211	Advanced Sonography - Ventricular Disease	04
CAS 212	Advanced Sonography - Advanced Disease	04
CAS 220	Cardiovascular Clinical	05
CAS 221	ECT Clinical Affiliation #1	07
CAS 231	ECT Clinical Affiliation #2	07
CAS 260	Advanced Echocardiographic Procedures	04
HSC 105C	Patient Care for the Imaging Professional	04
HSC 151	Introduction to Electronic Health Records	02
HSC 181A	Acoustical Physics	05
HSC 208	Cardiovascular Pharmacology	02
MED 103	Medical Terminology	04
MTH 112A	College Algebra	04
MTH 401	Statistical Methods	04
SCI 101C	Human Anatomy and Physiology I	05
SCI 102C	Human Anatomy and Physiology II	05
SCI 121	Physics Concepts	02
SCI 211	Pathophysiology	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 30 HOURS</b>		
ELECT 120A	Communication Elective	04
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 121	Introduction to Windows	02
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
SPK 201	Oral Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>124</b>

### CODING SPECIALIST

#### Associate of Applied Science

Coding is at the heart of both healthcare reimbursement and clinical analysis, which requires a highly trained professional. This certificate prepares the individual to assign codes to diagnoses, symptoms, and procedures using ICD-9-CM, ICD-10-CM, and CPT-4 classification systems. Graduates are eligible to take a coding certification exam upon successful completion of the program.

*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
<b>CODING SPECIALIST MAJOR - 60 HOURS</b>		
CCP 101	Introduction to the Coding Profession	02
CCP 111	CPT-4 Coding	04
CCP 131	ICD-10-CM Coding	04
CCP 201	Coding and Claims Processing	08
CCP 211	Healthcare Reimbursement	04
CCP 261A	Coding Capstone	04
CCP 271	Coding Externship	04
HSC 102	BLS Provider Training and First Aid	01
HSC 111	Introduction to Healthcare	04
HSC 151	Introduction to Electronic Health Records	02
HSC 206	Basic Pharmacology	04
MED 103	Medical Terminology	04
SCI 101C	Human Anatomy and Physiology I	05
SCI 102C	Human Anatomy and Physiology II	05
SCI 211	Pathophysiology	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 30 HOURS</b>		
ELECT 121A	Communication Elective	04
ELECT 161A	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 113	Electronic Spreadsheets	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>90</b>

**DENTAL HYGIENE****Associate of Applied Science**

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: 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.

The program in dental hygiene is accredited by the Commission on Dental Accreditation of the American Dental Association. This is a specialized accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and by the United States Department of Education. Please reference [www.ada.org](http://www.ada.org) for further information.

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
<b>DENTAL HYGIENIST MAJOR - 130 HOURS</b>		
DHY 111A	Dental Hygiene I	06
DHY 112A	Principles of Dental Hygiene	03
DHY 113A	Dental Histology and Embryology	03
DHY 114	Oral Anatomy	04
DHY 116	Head and Neck Anatomy I	02
DHY 117	Head and Neck Anatomy II	01
DHY 121	Clinical Dental Hygiene II	06
DHY 122	Oral Pathology	03
DHY 123	Dental Radiography	04
DHY 131	Clinical Dental Hygiene III	06
DHY 132	Periodontics I	02
DHY 133	Dental Materials	04
DHY 134	Dental Health Education	02
DHY 141	Clinical Dental Hygiene IV	04
DHY 201	Dental Pain and Anxiety Control	04
DHY 211A	Clinical Dental Hygiene V	08
DHY 212	Periodontics II	02
DHY 214A	Pharmacology for the Dental Hygienist	03
DHY 221	Clinical Dental Hygiene VI	08
DHY 222	Community Dentistry	04
DHY 223	Radiographic Interpretation	01
DHY 231	Clinical Dental Hygiene VII	08
DHY 232	Dental Law and Ethics	02

DHY	233	Special Topics Seminar	02
HSC	151	Introduction to Electronic Health Records	02
HSC	221	Nutrition	04
SCI	101C	Human Anatomy and Physiology I	05
SCI	102C	Human Anatomy and Physiology II	05
SCI	211	Pathophysiology	04
SCI	220A	Microbiology	05
SCI	231	Biochemistry	04
SCI	246	Chemistry I	04
SOC	201	Sociology	04
WRK	291B	Professional Career Strategies	01

**GENERAL EDUCATION REQUIREMENTS - 30 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
INF	112	Word Processing	02
INF	114A	Introduction to Database Applications	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION****160**

The following is a proposed updated curriculum that allows students to complete the Dental Hygiene Associate Degree program in a timelier, efficient, and cost-effective method. This change in curriculum will be implemented once approval from the commission on Dental Accreditation of the American Dental Association has been received.

Course Number	Course Title	Quarter Hours
<b>DENTAL HYGIENIST MAJOR - 92 HOURS</b>		
DHY 111A	Dental Hygiene I	06
DHY 112A	Principles of Dental Hygiene	03
DHY 113A	Dental Histology and Embryology	03
DHY 114A	Oral Anatomy	03
DHY 116	Head and Neck Anatomy I	02
DHY 117	Head and Neck Anatomy II	01
DHY 121A	Clinical Dental Hygiene II	04
DHY 122	Oral Pathology	03
DHY 123	Dental Radiography	04
DHY 131	Clinical Dental Hygiene III	04
DHY 132	Periodontics I	02
DHY 133A	Dental Materials	03
DHY 134	Dental Health Education	02
DHY 141	Clinical Dental Hygiene IV	02
DHY 201	Dental Pain and Anxiety Control	04
DHY 211B	Clinical Dental Hygiene V	06
DHY 212	Periodontics II	02
DHY 214A	Pharmacology for the Dental Hygienist	03
DHY 221A	Clinical Dental Hygiene VI	06
DHY 222	Community Dentistry	04
DHY 223	Radiographic Interpretation	01
DHY 231A	Clinical Dental Hygiene VII	06
DHY 232	Dental Law and Ethics	02
SCI 101C	Human Anatomy and Physiology I	05
SCI 102C	Human Anatomy and Physiology II	05
SCI 131	Concepts in Microbiology	02
SCI 246	Chemistry I	04
<b>GENERAL EDUCATION REQUIREMENTS - 24 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
MTH 108	College Mathematics I: Reasoning and Application	04
SOC 201	Sociology	04
SPK 201	Oral Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>116</b>



## DIAGNOSTIC MEDICAL SONOGRAPHY

### Associate of Applied Science

Through academic and clinical training, students are prepared for a career in Diagnostic Medical Sonography that provides patient care while utilizing diagnostic ultrasound equipment. Students will use knowledge gained in this program, experience close patient contact, and utilize diagnostic ultrasound equipment to provide physicians with images necessary to diagnose conditions and diseases. Sonographers are able to: apply knowledge of anatomy and physiology, as well as pathophysiology to accurately demonstrate anatomical structures on a sonogram or digital medium; apply principles of sonographic physics to assess anatomical structures; recognize sonography's role in the healthcare environment; and provide patient care and comfort. Students are eligible to take the registry certification following acceptance of their application by the American Registry of Diagnostic Medical Sonography (ARDMS). The mission of the Diagnostic Medical Sonography program is to provide didactic and clinical education that enables qualified students to achieve strong communication, critical thinking and technical skills required to obtain entry-level employment and become a Registered Diagnostic Medical Sonographer.

The Diagnostic Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Educational Programs (CAAHEP), 1361 Park Street, Clearwater, FL 33756; (727) 210-2350. Program accreditation is granted upon the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS), 6021 University Blvd., Suite 500, Ellicott City, MD 21043-6090; (433) 973-3251.

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
<b>DIAGNOSTIC MEDICAL SONOGRAPHY MAJOR - 85 HOURS</b>		
DMS 201	Sonographic Technique	04
DMS 210A	Ultrasound of the Normal Abdomen and Pelvis	04
DMS 211A	Ultrasound of Abdominal Pathology	04
DMS 212A	OB/GYN Ultrasound Normal and Pathology	04
DMS 213B	Ultrasound of Superficial Structures and Specialty Exams	04
DMS 215A	Principles of Ultrasound and Instrumentation I	04
DMS 216A	Principles of Ultrasound and Instrumentation II	04
DMS 220	Clinical I	06
DMS 221	Clinical II	06
DMS 222	Clinical III	06
DMS 223	Clinical IV	06
DMS 230	Ultrasound Review	02
HSC 105C	Patient Care for the Imaging Professional	04
HSC 151	Introduction to Electronic Health Records	02
MED 103	Medical Terminology	04
MTH 112A	College Algebra	04
SCI 101C	Human Anatomy and Physiology I	05
SCI 102C	Human Anatomy and Physiology II	05
SCI 121	Physics Concepts	02
SCI 211	Pathophysiology	04
WRK 291B	Professional Career Strategies	01

### GENERAL EDUCATION REQUIREMENTS - 26 HOURS

ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04

### SELECT 1 COURSE FROM THE FOLLOWING:

PSY 101	Human Relations	04
PSY 111	General Psychology	04

### QUARTER HOURS REQUIRED FOR GRADUATION

**111**

## EMERGENCY SERVICES MANAGEMENT

### Associate of Applied Science

This program is designed to meet the needs of students who are currently employed in or planning to pursue a career in Emergency Services Management. Emphasis will be placed on individual and group problem solving, management and supervision, and an exploration of current issues specific to emergency services. Admission requirements: Students must enter the program with a total of 48 credits derived from any combination of the following: Basic EMT credentials, Paramedic credentials, or Fire Fighter I & II credentials. The remaining credits may consist of approved portfolio, previous credits from approved accredited institution, lifelong learning experiences, or any combination.



### Approved Credit (EMS Professional Credentials)

**48**

Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

### EMERGENCY SERVICES MANAGEMENT MAJOR - 19 HOURS

ESM 201	Law and Ethics for Emergency Services Personnel	02
ESM 211	Emergency Services Management Operations and Finance	04
ESM 251	Emergency Services Management Seminar	04
MGT 211	Management and Supervision	04
SPK 211	Group Dynamics	04
WRK 291B	Professional Career Strategies	01

### GENERAL EDUCATION REQUIREMENTS - 32 HOURS

ELECT 121A	Communication Elective	04
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ELECT 161C	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
SPK 201	Oral Communication	04

### SELECT 1 COURSE FROM THE FOLLOWING:

MTH 101	Mathematics for Business	04
MTH 111	Introductory Algebra	04

### SELECT 1 COURSE FROM THE FOLLOWING:

PSY 101	Human Relations	04
PSY 111	General Psychology	04

### QUARTER HOURS REQUIRED FOR GRADUATION

**99**



**HEALTH INFORMATION TECHNOLOGY****Associate of Applied Science**

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.

This 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.

*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
<b>HEALTH INFORMATION TECHNOLOGY MAJOR - 65 HOURS</b>		
HIT 100	Healthcare Delivery Systems	04
HIT 101A	Health Data Content and Structure	04
HIT 103A	Organization and Supervision	04
HIT 201	Healthcare Statistics	02
HIT 211	Coding/Classification Systems I	04
HIT 212	Coding/Classification Systems II	04
HIT 213	Coding/Classification Systems III	04
HIT 214A	Coding/Classification Systems IV	02
HIT 221B	Clinical Quality Assessment and Performance Improvement	04
HIT 231A	Legal and Ethical Issues	04
HIT 235	Reimbursement Methodologies and Information Management	04
HIT 243A	Health Information Technology Professional Practice Experience	04
HIT 291	RHIT Review	02
HSC 104	Introduction to Disease	04
HSC 151	Introduction to Electronic Health Records	02
HSC 206	Basic Pharmacology	04
MED 103	Medical Terminology	04
SCI 100F	Structure and Function	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 26 HOURS</b>		
ELECT 120A	Communication Elective	04
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>91</b>

**HEALTH NAVIGATOR****Associate of Applied Science**

This program prepares individuals to serve as consistent care coordinators synchronizing care of the physical, psychological, and social needs of patients while providing education and support. This comprehensive program provides instruction and direction in all aspects of preparing the student to be successful to navigate patients within the healthcare system from time of diagnosis through completion of treatment. Employed in a variety of healthcare settings, the Patient Advocate is that member of the healthcare team who serves as the primary patient liaison. At this time the State of Michigan does not require licensure or certification to practice this profession.

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
<b>HEALTH NAVIGATOR MAJOR - 65 HOURS</b>		
HN 111	Patient Navigator Fundamentals I	04
HN 131	Emerging Diseases	04
HN 141	Navigating Resources in Healthcare	04
HN 212	Patient Navigator Fundamentals II	04
HN 213	Patient Navigator Fundamentals III	06
HN 271	Patient Navigator Fieldwork	03
HSC 102	BLS Provider Training and First Aid	01
HSC 104	Introduction to Disease	04
HSC 111	Introduction to Healthcare	04
HSC 151	Introduction to Electronic Health Records	02
MED 103	Medical Terminology	04
MGT 114	Customer Service	04
MGT 250	Conflict Management	04
PSY 211	Psychology of Death and Dying	04
SCI 100F	Structure and Function of the Human Body	04
SOC 321	Cultural Diversity	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
ITP 111	American Sign Language I	04
SPN 101	Spanish I	04
<b>GENERAL EDUCATION REQUIREMENTS - 30 HOURS</b>		
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>95</b>



## HEMODIALYSIS PATIENT CARE TECHNICIAN

### Associate of Applied Science

This program prepares the Hemodialysis Patient Care Technician student to provide direct dialysis patient care duties assisting with provision of treatment and documentation, under the supervision of an RN. The technician is responsible to assess the patient's vital signs and weight and to report any abnormalities to the RN. The technician will utilize venipuncture to connect the patient to the dialysis machine, obtain blood samples, and will monitor medication and treatment. Following each treatment the technician is responsible for disinfecting the dialysis machine and preparing the machine for future patient use. Graduates will be eligible to write a national exam for certification as Hemodialysis Technician (CHT).

Baker College of Flint is approved by the Board of Nephrology Examiners Nursing and Technology (BONENT); Web address: [www.bonent.org](http://www.bonent.org).

**Program Status:** Limited Enrollment.



Course Number	Course Title	Quarter Hours
<b>HEMODIALYSIS PATIENT CARE TECHNICIAN MAJOR - 60 HOURS</b>		
HSC 102	BLS Provider Training and First Aid	01
HSC 104	Introduction to Disease	04
HSC 151	Introduction to Electronic Health Records	02
HT 101	Introduction to Dialysis	04
HT 111	Fundamentals of Dialysis I	04
HT 112	Fundamentals of Dialysis II	04
HT 113	Fundamentals of Dialysis III	04
HT 131	Clinical Practicum I (Lab)	04
HT 132	Clinical Practicum II (Lab)	04
HT 133	Clinical Practicum III (Externship)	04
HT 171	Hemodialysis Technician Credential Review	03
MED 103	Medical Terminology	04
MED 106	Asepsis	01
MED 116	Patient Assessment	02
MED 185	Phlebotomy	02
SCI 101C	Human Anatomy and Physiology I	05
SCI 102C	Human Anatomy and Physiology II	05
SCI 131	Concepts in Microbiology	02
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 30 HOURS</b>		
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>90</b>

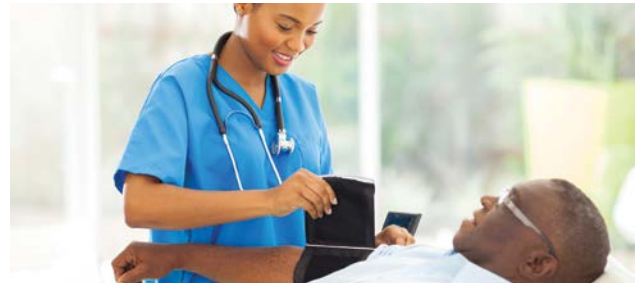
## MEDICAL ASSISTANT

### Associate of Applied Science

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).

The Medical Assistant programs at the Allen Park, Auburn Hills, Cadillac, Cass City, Clinton Township, Coldwater, Flint, Jackson, Muskegon, Owosso, and Port Huron campuses are accredited by the Commission on Accreditation Allied Health Education Program (CAAHEP), [www.caahep.org](http://www.caahep.org); 1361 Park Street, Clearwater, FL 33756; 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.

**Program Status:** Open Enrollment.



Course Number	Course Title	Quarter Hours
<b>MEDICAL ASSISTANT MAJOR - 67 HOURS</b>		
HSC 102	BLS Provider Training and First Aid	01
HSC 104	Introduction to Disease	04
HSC 151	Introduction to Electronic Health Records	02
HSC 161	Legal Concepts to Medical Practice	02
MED 103	Medical Terminology	04
MED 106	Asepsis	01
MED 109	Physician's Office Coding	02
MED 112	Medical Office Finance	02
MED 113	Math for Health Occupations	02
MED 116	Patient Assessment	02
MED 171	Electronic Medical Records	04
MED 185	Phlebotomy	02
MED 186	EKG	02
MED 203C	Physician's Office Billing	04
MED 205D	Specialty Examination	04
MED 207	Medical Office Procedures	04
MED 208	Minor Office Surgery	02
MED 218B	Administration of Medications	04
MED 220C	Physician's Office Laboratory	04
MED 241	Practice Management	04
MED 291A	CMA Review	02
SCI 100F	Structure and Function of the Human Body	04
WRK 221	Medical Assistant Externship	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 26 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>

**MEDICAL INSURANCE SPECIALIST****Associate of Applied Science**

This program prepares students to identify the major sources of health insurance and their rules and policies affecting billing and payment. An emphasis will be placed on the student's ability to abstract diagnostic and procedure codes, process claims in outpatient, inpatient, and ambulatory care settings, and the management of account receivables to maximize optimum reimbursement. Graduates are encouraged to take a national certification examination.

*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**MEDICAL INSURANCE SPECIALIST MAJOR - 63 HOURS**

HSC	104	Introduction to Disease	04
HSC	111	Introduction to Healthcare	04
HSC	151	Introduction to Electronic Health Records	02
MED	103	Medical Terminology	04
MED	171	Electronic Medical Records	04
MIS	121A	Introduction to Medical Reimbursement	04
MIS	182A	Revenue Cycle Management	04
MIS	201C	Claims Processing Adjudication	04
MIS	211A	Facility Billing and Coding	04
MIS	221	Coding I	04
MIS	222	Coding II	04
MIS	223	Coding III	04
MIS	251	Reimbursement Ethics and Compliance	04
MIS	291A	Medical Insurance Certification Review	04
SCI	100F	Structure and Function of the Human Body	04
WRK	261	Medical Insurance Specialist Externship	04
WRK	291B	Professional Career Strategies	01

**GENERAL EDUCATION REQUIREMENTS - 30 HOURS**

ELECT	120A	Communication Elective	04
ELECT	161A	Computer Literacy Elective	02
ELECT	161B	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 93**

**MEDICAL LABORATORY TECHNICIAN****Associate of Applied Science**

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.

The Medical Laboratory Technician Programs at Allen Park and Owasso campuses are accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Rd. Suite 720 Rosemont, IL 60018-5119 Phone: (773) 714-8880 x381; Fax: (773) 714-8886.

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**MEDICAL LABORATORY TECHNICIAN MAJOR - 84 HOURS**

HSC	151	Introduction to Electronic Health Records	02
MLT	102	Clinical Laboratory Techniques	04
MLT	111	Phlebotomy for Laboratory Professionals	03
MLT	201	Immunohematology	04
MLT	202	Laboratory Chemistry	04
MLT	203A	Medical Microbiology	04
MLT	204	Hematology	04
MLT	205B	Immunology/Serology	03
MLT	206B	Urinalysis	02
MLT	207	Mycology, Parasitology/Virology	02
MLT	209	Coagulation	02
MLT	271	Clinical Laboratory I	12
MLT	272	Clinical Laboratory II	12
MLT	291	MLT Capstone Review	02
SCI	101C	Human Anatomy and Physiology I	05
SCI	102C	Human Anatomy and Physiology II	05
SCI	211	Pathophysiology	04
SCI	220A	Microbiology	05
SCI	246	Chemistry I	04
WRK	291B	Professional Career Strategies	01

**GENERAL EDUCATION REQUIREMENTS - 28 HOURS**

ELECT	120A	Communication Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	112	Word Processing	02
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 112**





## MEDICAL ADMINISTRATIVE SPECIALIST

### Associate of Applied Science

Medical Administrative Specialists in today's modern medical office environment perform and organize the administrative activities of the office. The Medical Administrative Specialist is productive and responsible, a good decision maker, able to multi-task, and serves as a competent team member in both small and large office settings. Graduates will be equipped with excellent skills in communication, use of technology, and medical office procedures.

*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
<b>MEDICAL OFFICE ADMINISTRATION MAJOR - 58 HOURS</b>		
ADP 101	Workplace Technology I	04
ADP 102	Workplace Technology II	04
HSC 102	BLS Provider Training and First Aid	01
HSC 104	Introduction to Disease	04
HSC 111	Introduction to Healthcare	04
HSC 161	Legal Concepts to Medical Practice	02
MED 103	Medical Terminology	04
MED 109	Physician's Office Coding	02
MED 112	Medical Office Finance	02
MED 171	Electronic Medical Records	04
MED 203C	Physician's Office Billing	04
MED 207	Medical Office Procedures	04
MED 236	Introduction to Medical Office Administration	02
MED 241	Practice Management	04
MED 251	Medical Office Administration Seminar	04
MED 271	Medical Office Administration Practicum	04
SCI 100F	Structure and Function of the Human Body	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 141A	Microsoft PowerPoint	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>90</b>

## OCCUPATIONAL THERAPY ASSISTANT

### Associate of Applied Science

The occupational therapy assistant is a skilled healthcare practitioner who works under the supervision of a licensed occupational therapist in the planning and treatment implementation of individuals affected by physical, emotional, and developmental disabilities.

The Occupational Therapy Assistant Program at Baker College of Allen Park 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 from the accredited programs at Allen Park and Muskegon are eligible to take the national certification examination.

Baker College of Owosso is currently seeking accreditation.

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
<b>OCCUPATIONAL THERAPY ASSISTANT MAJOR - 87 HOURS</b>		
HSC 111	Introduction to Healthcare	04
HSC 112	Clinical Documentation	01
HSC 151	Introduction to Electronic Health Records	02
HSC 211	Lifespan Development	02
HSC 281	Neurological Foundations of Motor Control	02
HSC 285	Clinical Pathology	03
MED 103	Medical Terminology	04
OTA 111	Introduction to Occupational Therapy Assisting	02
OTA 120	Elements of Therapeutic Media	03
OTA 141A	Fundamentals of Occupational Therapy Assistant Practice	03
OTA 171A	OTA Level I Fieldwork A	01
OTA 172A	OTA Level I Fieldwork B	01
OTA 201B	OTA Clinical Techniques in Mental Health	02
OTA 202B	OTA Clinical Techniques in Physical Dysfunction	02
OTA 211B	OTA Principles and Applications in Mental Health	04
OTA 221A	OTA Principles and Applications in Physical Dysfunction	04
OTA 231C	OTA Principles and Applications in Pediatrics	03
OTA 251	OT in Specialty Areas	02
OTA 252	Geriatric Patient Care	03
OTA 261	OTA Professional Preparation	01
OTA 262	OTA Fieldwork Integration	01
OTA 271B	OTA Level II Fieldwork A	06
OTA 272B	OTA Level II Fieldwork B	06
OTA 291	OTA Board Review	01
PSY 311	Abnormal Psychology	04
SCI 101C	Human Anatomy and Physiology I	05
SCI 102C	Human Anatomy and Physiology II	05
SCI 211	Pathophysiology	04
SCI 271A	Clinical Kinesiology	05
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 26 HOURS</b>		
ELECT 120A	Communication Elective	04
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
SPK 201	Oral Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>113</b>

**OPTICIANRY****Associate of Applied Science**

An optician is a professional who has the responsibility for the dispensing of eyewear, including spectacles, contact lenses, low-vision aids, and accessories. The optician may fabricate, verify, and fit eyeglasses, contact lenses and other optical devices upon the written prescription of a medical doctor or doctor of optometry. Once presented with this prescription, an optician is responsible for analyzing and interpreting the prescription to determine the lenses that are best suited to the patient's lifestyle and visual needs. Frame selection, including size and material, is then chosen. The optician takes measurements to insure proper lens placement in the frame, and must verify the accuracy of the finished product. The glasses are adjusted to the patient by the optician at the time of delivery. Other duties include occasional adjustments to retain proper fit, replacements, and repairs of lenses and frames. Graduates are eligible to sit for the National Opticianry Competency Exam administered by the American Board of Opticianry and the National Contact Lens Examination. Students may also sit for state licensure exams in states where applicable. At this time the state of Michigan does not require licensure or certification to practice this profession.

The Baker College Opticianry Program is accredited by the Commission on Opticianry Accreditation (COA) and is recognized by the Council on Higher Education Accreditation (CHEA, <http://www.chea.org>).



**Program Status:** Open Enrollment.



Course Number	Course Title	Quarter Hours
<b>OPTICIANRY MAJOR - 59 HOURS</b>		
ELECT 100A	Elective	04
MGT 114	Customer Service	04
OP 101	Introduction to Opticianry	04
OP 111	Ocular Anatomy, Physiology, and Pathology	04
OP 121A	Optical Laboratory Theory	03
OP 211	Optical Theory I	03
OP 212	Optical Theory II	03
OP 221A	Optical Dispensing I Theory	03
OP 222A	Optical Dispensing II Theory	03
OP 226	Ophthalmic Procedures	04
OP 231	Introduction to Contact Lenses	02
OP 232	Contact Lenses	04
OP 241	Opticianry Management	02
OP 251	Current Trends in Opticianry	04
OP 261	Optical Dispensing Laboratory	03
OP 271	Opticianry Externship	08
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ELECT 120A	Communication Elective	04
ELECT 161A	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 114A	Introduction to Database Applications	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>91</b>

**ORTHOTICS/PROSTHETIC TECHNOLOGY****Associate of Applied Science**

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).

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.

**Program Status:** Limited Enrollment.



Course Number	Course Title	Quarter Hours
<b>ORTHOTIC/PROSTHETIC TECHNOLOGY MAJOR - 82 HOURS</b>		
HSC 111	Introduction to Healthcare	04
MED 103	Medical Terminology	04
OPT 101	Introduction to Orthotic/Prosthetic Technology	05
OPT 201	Foot and Ankle Orthotics	06
OPT 203	Lower Extremity Plastic Orthotic Systems	06
OPT 204	Lower Extremity Metal Orthotic Systems	06
OPT 211A	Partial Foot and Symes Prosthetics	06
OPT 212	Trans-tibial Prosthetics	06
OPT 213	Trans-femoral Prosthetics	06
OPT 221	Upper Extremity Orthotics	06
OPT 233	Upper Extremity Prosthetics	06
OPT 241B	Spinal Orthotics	04
OPT 251	Orthotics/Prosthetic Clinical Externship	06
OPT 291	Orthotic/Prosthetic Technology Review	02
SCI 100F	Structure and Function of the Human Body	04
SCI 246	Chemistry I	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 28 HOURS</b>		
ELECT 120A	Communication Elective	04
ELECT 161A	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
SPK 201	Oral Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>110</b>



## PHARMACY TECHNICIAN

### Associate of Applied Science

Pharmacy Technicians help licensed Pharmacists provide medication and other healthcare products to patients. Technicians usually perform routine tasks to help prepare prescribed medication, such as counting tablets and labeling bottles. They also perform administrative duties involving medical insurance and assist with ordering and maintaining inventory. Technicians refer any questions regarding prescriptions, drug information, or health matters to a pharmacist. Graduates of this program will be prepared for entry-level employment in a wide variety of pharmacies, including retail, hospital, mail-order, nursing homes, and assisted-living facilities. Current information on opportunities for pharmacy technicians can be found at the Bureau of Labor and Statistics website ([www.bls.gov/oco](http://www.bls.gov/oco)). In addition to employment, courses in the program have been developed to prepare individuals to successfully complete the national certification exam administered by the Pharmacy Technician Certification Board.

*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
<b>PHARMACY TECHNICIAN MAJOR - 63 HOURS</b>		
ELECT 100A	Elective	04
ELECT 100B	Elective	04
ELECT 100C	Elective	04
HSC 104	Introduction to Disease	04
HSC 111	Introduction to Healthcare	04
HSC 151	Introduction to Electronic Health Records	02
MED 103	Medical Terminology	04
MTH 108	College Mathematics I: Reasoning and Application	04
PHT 101B	Introduction to Pharmacy Technology	04
PHT 111A	Pharmacy Technology I	04
PHT 112A	Pharmacy Technology II	04
PHT 121	Interpretation of Medication Orders	04
PHT 211B	Hospital Pharmacy	04
PHT 212B	Community Pharmacy	04
SCI 100F	Structure and Function of the Human Body	04
WRK 252	Pharmacy Clinical	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 30 HOURS</b>		
ELECT 120A	Communication Elective	04
ELECT 161A	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 114A	Introduction to Database Applications	02
INF 161	Technology and Society	02
MTH 101	Mathematics for Business	04
SPK 201	Oral Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>

## PHYSICAL THERAPIST ASSISTANT

### Associate of Applied Science

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>.

#### Accreditation/Approval/Certification Status

External peer review is the primary means of assuring and improving the quality of higher education institutions and programs in the United States. This recognition is accomplished through program accreditation, approval, or certification.

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; (703) 706-3245; [www.captetonline.org](http://www.captetonline.org); E-mail: [accreditation@apta.org](mailto:accreditation@apta.org).

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
<b>PHYSICAL THERAPIST ASSISTANT MAJOR - 88 HOURS</b>		
HSC 151	Introduction to Electronic Health Records	02
HSC 211	Lifespan Development	02
HSC 285	Clinical Pathology	03
MED 103	Medical Terminology	04
PTA 111	Introduction to PTA	02
PTA 112	Therapeutic Documentation for the PTA	01
PTA 171A	Clinical Education I	02
PTA 172A	Clinical Education II	02
PTA 211	PTA Techniques I	04
PTA 212	PTA Techniques II	04
PTA 221B	Therapeutic Exercise I	05
PTA 222B	Therapeutic Exercise II	05
PTA 231B	Functional Mobility	04
PTA 241C	Acute and Long-Term Care	03
PTA 258	Special Topics in Physical Therapy	03
PTA 261B	Professional Preparation I	01
PTA 262A	PTA Capstone	01
PTA 263	Professional Preparation II	01
PTA 271D	Clinical Education III	08
PTA 272D	Clinical Education IV	08
PTA 281	Neurological Foundations of Motor Control for the PTA	03
SCI 101C	Human Anatomy and Physiology I	05
SCI 102C	Human Anatomy and Physiology II	05
SCI 211	Pathophysiology	04
SCI 271A	Clinical Kinesiology	05
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 26 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>114</b>



**POLYSOMNOGRAPHIC TECHNOLOGY****Associate of Applied Science**

Polysomnography is a new, rapidly growing, health related field dedicated to the study of sleep disorders. With millions of people being tested in sleep laboratories and few formal training programs nationwide, opportunities for qualified polysomnographers (sleep study technologists) are outstanding. These specialists work in state-of-the-art laboratories where they assess patients and prepare them for sleep studies. They also operate, monitor, and troubleshoot highly sophisticated sleep computers to analyze sleep patterns. With the information they gather, sleep technologists help physicians diagnose and treat sleep disorders. Baker College's Associate of Applied Science Degree program in Polysomnographic Technology offers comprehensive preparation for entry into this important field. Specialized laboratories help students develop the expertise needed to become independent clinicians.

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**POLYSOMNOGRAPHIC TECHNOLOGY MAJOR - 58 HOURS**

HSC	102	BLS Provider Training and First Aid	01
HCS	104	Intro to Disease	04
HCS	111	Intro to Healthcare	04
MED	103	Medical Terminology	04
PST	101	Introduction to Polysomnography	04
PST	111	Polysomnographic Seminar I	01
PST	112	Polysomnographic Seminar II	01
PST	121	Patient Preparation	02
PST	131	Professional Management and Legal Issues	02
PST	201	Electronic Theory and Instrumentation Monitoring	04
PST	211	Therapeutic Interventions	04
PST	221A	Neuroanatomy and Pathology	02
PST	231	Cardiorespiratory Pharmacology	02
PST	241	Sleep Analyzing Computers	04
PST	261	Polysomnography Clinical I	02
PST	262	Polysomnography Clinical II	02
PST	271	Polysomnography Internship	04
PST	281	Advanced Polysomnography	04
PST	291	Polysomnography Registry Review	02
SCI	100F	Structure and Function Human Body	04
WRK	291B	Professional Career Strategies	01

**GENERAL EDUCATION REQUIREMENTS - 32 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
INF	121	Introduction to Windows	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
WRI	115	Workplace Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION****90****RADIOLOGIC TECHNOLOGY****Associate of Applied Science**

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.

The Radiologic Technology Programs at Clinton Township, Muskegon, and Owosso are accredited by the 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; E-mail: mail@jrcert.org; Web address: www.jrcert.org.

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**RADIOLOGIC TECHNOLOGY MAJOR - 101 HOURS**

HSC	151	Introduction to Electronic Health Records	02
MED	103	Medical Terminology	04
RAD	131	Introduction to Radiographic Practice	02
RAD	141	Patient Care in Radiography	05
RAD	151	General Imaging I	05
RAD	152	General Imaging II	05
RAD	161	Digital Imaging Concepts	02
RAD	211	Radiographic Positioning I	05
RAD	212	Radiographic Positioning II	05
RAD	213	Radiographic Positioning III	05
RAD	221	Radiographic Pharmacology	02
RAD	231	Radiographic Science Theory	02
RAD	241	Radiographic Biology and Protection	02
RAD	251	CT and Advanced Procedures	04
RAD	271	Radiographic Clinical I	12
RAD	272	Radiographic Clinical II	12
RAD	273	Radiographic Clinical III	10
RAD	291	Preparation to Achieve Student Success (PASS)	02
SCI	101C	Human Anatomy and Physiology I	05
SCI	102C	Human Anatomy and Physiology II	05
SCI	211	Pathophysiology	04
WRK	291B	Professional Career Strategies	01

**GENERAL EDUCATION REQUIREMENTS - 26 HOURS**

ELECT	120A	Communication Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION****127**



## RESPIRATORY CARE

### Associate of Applied Science

This program is designed to prepare graduates for a highly professional and dynamic career as competent Respiratory Care Practitioners. Respiratory Therapists, also known as Respiratory Care Practitioners, as members of a team of healthcare professionals 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.

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; Web address: [www.coarc.com](http://www.coarc.com).

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
<b>RESPIRATORY CARE MAJOR - 100 HOURS</b>		
HSC 102	BLS Provider Training and First Aid	01
HSC 151	Introduction to Electronic Health Records	02
MED 103	Medical Terminology	04
MTH 112A	College Algebra	04
RSC 201	Respiratory Care Practices and Procedures I	04
RSC 202	Respiratory Care Practices and Procedures II	04
RSC 203	Respiratory Care Practices and Procedures III	04
RSC 204	Respiratory Care Practices and Procedures IV	04
RSC 205	Respiratory Care Practices and Procedures V	04
RSC 206A	Respiratory Care Practices and Procedures Lab I	02
RSC 207A	Respiratory Care Practices and Procedures Lab II	02
RSC 208A	Respiratory Care Practices and Procedures Lab III	02
RSC 211	Cardiopulmonary Anatomy and Physiology	04
RSC 221	Cardiopulmonary Pathophysiology I	04
RSC 222	Cardiopulmonary Pathophysiology II	04
RSC 231	Respiratory Care Pharmacology	04
RSC 241	Neonatal/Pediatric Respiratory Care	04
RSC 261A	Clinical Care I	02
RSC 262A	Clinical Care II	04
RSC 263	Clinical Care III	06
RSC 264A	Clinical Care IV	06
RSC 265	Clinical Care V	06
RSC 271	Contemporary Topics in Respiratory Care	04

SCI 101C	Human Anatomy and Physiology I	05
SCI 102C	Human Anatomy and Physiology II	05
SCI 246	Chemistry I	04
WRK 291B	Professional Career Strategies	01

### GENERAL EDUCATION REQUIREMENTS - 26 HOURS

ELECT 120A	Communication Elective	04
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
SPK 201	Oral Communication	04

### SELECT 1 COURSE FROM THE FOLLOWING:

PSY 101	Human Relations	04
PSY 111	General Psychology	04

### QUARTER HOURS REQUIRED FOR GRADUATION

**126**

## SURGICAL TECHNOLOGY

### Associate of Applied Science

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.

The Surgical Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) 1361 Park Street, Clearwater, FL 33756; 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).

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
<b>SURGICAL TECHNOLOGY MAJOR - 75 HOURS</b>		
HSC 102	BLS Provider Training and First Aid	01
MED 103	Medical Terminology	04
SCI 101C	Human Anatomy and Physiology I	05
SCI 102C	Human Anatomy and Physiology II	05
SCI 211	Pathophysiology	04
SCI 220A	Microbiology	05
STC 100	Overview of Surgical Services	02
STC 101A	Introduction to Surgical Technology with Lab	05
STC 201A	The Surgical Patient	04
STC 211A	Surgical Pharmacology	04
STC 221A	Perioperative and Surgical Techniques	03
STC 231	Surgical Procedures	06
STC 232	Advanced Surgical Procedures and Topics	03
STC 271	Surgical Clinical Externship I	10
STC 272	Surgical Clinical Externship II	10



STC	291	Professional Preparation	03
WRK	291B	Professional Career Strategies	01

**GENERAL EDUCATION REQUIREMENTS - 32 HOURS**

ELECT	120A	Communication Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	121	Introduction to Windows	02
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 107****THERAPEUTIC MASSAGE****Associate of Applied Science**

Students are prepared to enter the field of massage therapy. The 1,130 contact hour program focuses on therapeutic massage techniques used in a clinical setting. Additionally, students will complete a clinical externship in their last quarter of study. Graduates will be prepared and eligible to take any nationally recognized certification examination including the National Certification Board of Therapeutic Massage and Bodywork (NCBTMB) or Massage and Bodywork Licensing Exam (MBLEx) needed for state licensure.

The Therapeutic Massage Program is accredited by the Commission on Massage Therapy Accreditation (COMTA). COMTA is located at 5335 Wisconsin Avenue NW, Suite 440, Washington, DC 20015; Phone: (202) 895-1518, Fax: (202) 895-1519; info@comta.org or www.comta.org.

**Program Status: Open Enrollment.**

Course Number	Course Title	Quarter Hours
THERAPEUTIC MASSAGE MAJOR - 60 HOURS		
HSC 102	BLS Provider Training and First Aid	01
HSC 151	Introduction to Electronic Health Records	02
MSG 101	Massage Therapy I	04
MSG 102A	Massage Therapy II	03
MSG 111B	Anatomy of Movement I	03
MSG 112A	Anatomy of Movement II	03
MSG 121A	Energy-Based Massage Techniques	03
MSG 141A	Therapeutic Massage Techniques	03
MSG 152	Business and Ethics for Massage Therapists	04
MSG 161A	Sports/Occupational Massage Techniques	03
MSG 171A	Documentation for Therapeutic Massage	03
MSG 201A	Integrative Bodywork	03
MSG 205A	Complementary Modalities for the Massage Therapist	03
MSG 211C	Pathology and Pharmacology for Therapeutic Massage	03
MSG 220A	Therapeutic Massage Lab I	02
MSG 221B	Therapeutic Massage Lab II	02

MSG	222B	Therapeutic Massage Lab III	04
MSG	242	Therapeutic Massage Clinical Internship and Capstone	04
MSG	321C	Preparation for Certification Examination	02
SCI	100F	Structure and Function of the Human Body	04
WRK	291B	Professional Career Strategies	01

**GENERAL EDUCATION REQUIREMENTS - 30 HOURS**

ELECT	120A	Communication Elective	04
ELECT	161A	Computer Literacy Elective	02
ELECT	161B	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
SPK	201	Oral Communication	04

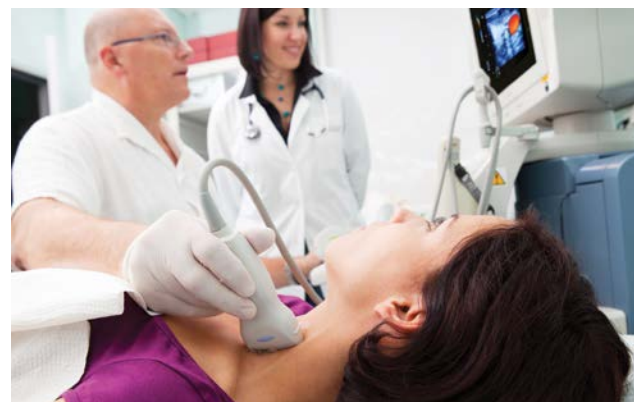
**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 90****VASCULAR ULTRASOUND TECHNOLOGY****Associate of Applied Science**

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

The Vascular Ultrasound Technology Program on the Auburn Hills and Owosso campuses is accredited by the Commission on Accreditation of Allied Health Education Programs, (CAAHEP), 1361 Park Street, Clearwater, FL 33756; 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.

**Program Status: Limited Enrollment.**

Course Number	Course Title	Quarter Hours	
VASCULAR ULTRASOUND TECHNOLOGY MAJOR - 88 HOURS			
HSC	102	BLS Provider Training and First Aid	01
HSC	105C	Patient Care for the Imaging Professional	04
HSC	151	Introduction to Electronic Health Records	02
HSC	181A	Acoustical Physics	05
HSC	208	Cardiovascular Pharmacology	02
MED	103	Medical Terminology	04
MTH	112A	College Algebra	04
SCI	101C	Human Anatomy and Physiology I	05
SCI	102C	Human Anatomy and Physiology II	05
SCI	121	Physics Concepts	02
SCI	211	Pathophysiology	04
VAS	101A	Peripheral Vascular Procedures	04
VAS	106B	Introduction to Clinical Practice	04
VAS	111A	Introduction to Vascular Ultrasound	03
VAS	121	Vascular Physics and Hemodynamics	04





VAS	201	Venous Ultrasound	04
VAS	211	Carotid Ultrasound	04
VAS	221	Arterial Ultrasound I	04
VAS	222	Arterial Ultrasound II	04
VAS	231A	Vascular Ultrasound Clinical Experience I	06
VAS	232A	Vascular Ultrasound Clinical Experience II	06
VAS	233A	Vascular Ultrasound Clinical Experience III	06
WRK	291B	Professional Career Strategies	01

**GENERAL EDUCATION REQUIREMENTS - 28 HOURS**

ELECT	161A	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 116****VETERINARY TECHNOLOGY****Associate of Applied Science**

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 is able to sit for the state and national licensing exams. If the graduate passes both exams, he/she earns the title of Licensed Veterinary Technician (LVT) in the State of Michigan. Students who graduate will be eligible for licensure by the State of Michigan.

Accreditation is granted through the American Veterinary Medical Association, Committee on Veterinary Technician Education and Activities (AVMA, CVTEA). Cadillac, Clinton Township, Flint, Jackson, Muskegon, and Port Huron 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.

**Program Status: Limited Enrollment.**



Course Number	Course Title	Quarter Hours
<b>VETERINARY TECHNOLOGY MAJOR - 85 HOURS</b>		
SCI 111	Biology	05
SCI 220A	Microbiology	05
VET 101A	Introduction to Veterinary Technology	05
VET 112	Animal Anatomy and Physiology I	05
VET 113	Animal Anatomy and Physiology II	05
VET 121A	Veterinary Pathology	04
VET 131A	Introduction to Animal Diagnostic Laboratory Procedures	05
VET 141	Introduction to Animal Surgical Procedures/Nursing	06
VET 201	Radiology for Veterinary Technicians	02
VET 211A	Advanced Animal Diagnostic Laboratory	05
VET 221	Large and Small Animal Nursing	06
VET 231	Pharmacology for Veterinary Technicians	06
VET 241A	Laboratory and Exotic Animals	05
VET 251	Office Management and Client Relations	05
VET 261	Advanced Animal Surgical Procedures/Anesthesiology	06
VET 271A	Veterinary Technician Board Review	03
VET 272A	Veterinary Technician Externship	06
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 28 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 114A	Introduction to Database Applications	02
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>113</b>



## BACHELOR DEGREE PROGRAMS

### HEALTH SERVICES ADMINISTRATION

#### Bachelor of Science

This program will prepare individuals to develop administrative skills necessary to work effectively in a variety of healthcare settings. The combination of general education and health services courses are designed to cultivate critical thinking skills necessary for managing. This program prepares students to plan, direct, coordinate, budget, and assess activities in a variety of healthcare settings.



Approved Credit (64 Gen Ed & 52 Elective Credits) **116**

Course Number	Course Title	Quarter Hours
<b>REQUIRED CORE COMPETENCIES - 32 HOURS</b>		
ACC 100	Accounting Elective	04
BUS 211	Business Analytics	04
ECN 100	Economics Elective	04
FIN 100	Finance Elective	04
HSC 104	Introduction to Disease	04
MKT 100	Marketing Elective	04
SCI 100F	Structure and Function of the Human Body	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
HRM 100	Human Resource Elective	04
MGT 100	Management Elective	04
<b>HEALTH SERVICES ADMINISTRATION MAJOR - 32 HOURS</b>		
HSC 111	Introduction to Healthcare	04
HSC 312	Health Law and Regulations	04
HSC 315	Planning and Evaluation of Health Services	04
HSC 401	Healthcare Administration	04
HSC 402A	Ethics for Health Professionals	04
HSC 403	Health System Finance	04
HSC 411	Seminar in Health Issues	04
HSC 441	Health Services Administration Externship	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>180</b>

#### REQUIRED CORE COMPETENCIES - 32 HOURS

ACC	100	Accounting Elective	04
BUS	211	Business Analytics	04
ECN	100	Economics Elective	04
FIN	100	Finance Elective	04
HSC	104	Introduction to Disease	04
MKT	100	Marketing Elective	04
SCI	100F	Structure and Function of the Human Body	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

HRM	100	Human Resource Elective	04
MGT	100	Management Elective	04

#### HEALTH SERVICES ADMINISTRATION MAJOR - 32 HOURS

HSC	111	Introduction to Healthcare	04
HSC	312	Health Law and Regulations	04
HSC	315	Planning and Evaluation of Health Services	04
HSC	401	Healthcare Administration	04
HSC	402A	Ethics for Health Professionals	04
HSC	403	Health System Finance	04
HSC	411	Seminar in Health Issues	04
HSC	441	Health Services Administration Externship	04

**QUARTER HOURS REQUIRED FOR GRADUATION 180**

### PRE-OCCUPATIONAL THERAPY

#### Bachelor of Science

This program is concerned with providing a practical education that will enable graduates to apply their skills to a diverse population in a variety of settings. The curriculum will provide students with early exposure to the occupational therapy profession and to those conceptual models that are applied by occupational therapists on a daily basis.

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. States have licensure laws that occupational therapists must comply with to practice in that state. The accreditation Council for Occupational Therapy Education (ACOTE) and the American Occupational Therapy Association have mandated that all entry-level occupational therapists be prepared at the master degree level beginning January 2007. Therefore, all pre-occupational therapy students will be required to apply to the Baker Center for Graduate Studies upon completion of the Pre-Occupational Therapy program. The Baker College Bachelor of Health Science and Master of Occupational Therapy programs are combined as a 4+1 degree program; students complete four years of undergraduate study and one year of graduate study. Graduate admission is open only to students who have completed the Pre-Occupational Therapy program at Baker College of Flint. A criminal conviction may prevent eligibility to sit for the national certification examination, qualification for state licensure, specific employment opportunities, and placement at Level I and Level II clinical sites. Students are encouraged to contact state licensure agencies and the National Board for Certification in Occupational Therapy (NBCOT) at (301) 990-7979 or [www.nbcot.org](http://www.nbcot.org) prior to applying to the program.

**Program Status: Limited Enrollment.**



Course Number	Course Title	Quarter Hours	
<b>PRE-OCCUPATIONAL THERAPY MAJOR - 124 HOURS</b>			
HSC	402A	Ethics for Health Professionals	04
MED	103	Medical Terminology	04
MTH	401	Statistical Methods	04
OCC	101	Introduction to Occupational Therapy	04
OCC	201B	Therapeutic Use of Occupation I	05
OCC	202B	Therapeutic Use of Occupation II	05
OCC	205	Range/Muscle Testing	02
OCC	221A	Level I Fieldwork (Children)	02
OCC	231	Assessment of Occupational Performance	04
OCC	241	Child Development and the Implications of Pathology/Conditions	04
OCC	302	Mental Health Conditions and Occupational Dysfunction	04

#### PRE-OCCUPATIONAL THERAPY MAJOR - 124 HOURS

HSC	402A	Ethics for Health Professionals	04
MED	103	Medical Terminology	04
MTH	401	Statistical Methods	04
OCC	101	Introduction to Occupational Therapy	04
OCC	201B	Therapeutic Use of Occupation I	05
OCC	202B	Therapeutic Use of Occupation II	05
OCC	205	Range/Muscle Testing	02
OCC	221A	Level I Fieldwork (Children)	02
OCC	231	Assessment of Occupational Performance	04
OCC	241	Child Development and the Implications of Pathology/Conditions	04
OCC	302	Mental Health Conditions and Occupational Dysfunction	04



OCC	313	Personal and Environmental Adaptations	04
OCC	314A	Introduction to Documentation in the Healthcare System	04
OCC	322B	Occupational Therapy and Case Management	02
OCC	323A	Level I Fieldwork (Late Adulthood)	02
OCC	331	Evaluation of Occupational Performance	04
OCC	332	Occupational Therapy Theory/Frames of Reference	04
OCC	341	Disease/Injury and Occupational Dysfunction	04
OCC	351	The Aging Process and the Implications of Pathology/Conditions	04
OCC	402A	Program Planning/Intervention Strategies (Early/Middle Adulthood)	05
OCC	403A	Program Planning/Intervention Strategies (Late Adulthood)	05
OCC	406	Complementary Therapies, Wellness and Occupation	04
OCC	413	Roles of Occupation and Psychosocial Treatment Interventions	04
OCC	414	Return to Work and Functional Adaptation	04
OCC	415	Community-Based Occupational Therapy	04
OCC	416	Applied Assessment and Documentation	04
PSY	221	Developmental Psychology	04
SCI	101C	Human Anatomy and Physiology I	05
SCI	102C	Human Anatomy and Physiology II	05
SCI	271A	Clinical Kinesiology	05
SCI	311	Neuroanatomy	04
WRK	291B	Professional Career Strategies	01

**GENERAL EDUCATION REQUIREMENTS - 60 HOURS**

ENG	101	Composition I	04
ENG	102	Composition II	04
GEO	101B	World Geography I	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	121	Introduction to Windows	02
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
PSY	111	General Psychology	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
SPK	211	Group Dynamics	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

HIS	301	Women's Studies	04
HIS	351	World History I	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

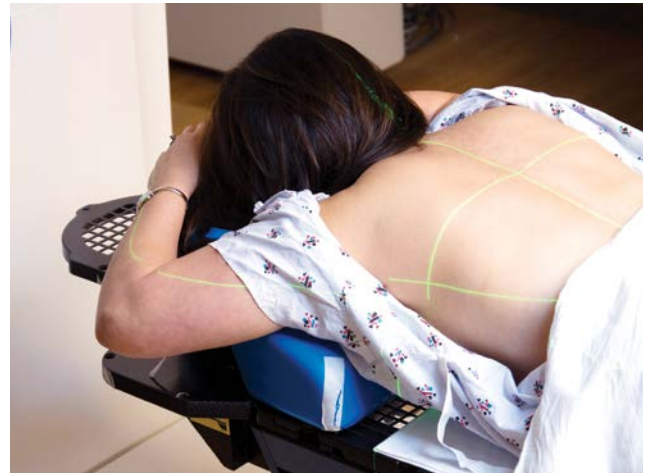
PSY	211	Psychology of Death and Dying	04
PSY	335	Human Sexuality	04
PSY	351	Adolescent Psychology	04
PSY	401	Social Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 184****RADIATION THERAPY****Bachelor of Science**

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.

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).

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**RADIATION THERAPY MAJOR - 123 HOURS**

HSC	151	Introduction to Electronic Health Records	02
MED	103	Medical Terminology	04
MTH	401	Statistical Methods	04
RDT	171	Introduction to Radiation Therapy	04
RDT	221	Imaging and Processing in Radiation Oncology	05
RDT	231	Patient Care Management	02
RDT	261	Radiobiology	02
RDT	311	Radiation Therapy Physics I	04
RDT	312	Radiation Therapy Physics II	04
RDT	321A	Sectional Anatomy	04
RDT	331	Introduction to Clinical Practicum I	05
RDT	332	Introduction to Clinical Practicum II	05
RDT	341	Principles and Practice of Radiation Therapy I	05
RDT	342	Principles and Practice of Radiation Therapy II	05
RDT	421	Dosimetry I	05
RDT	422	Dosimetry II	05
RDT	451	Senior Seminar I	01
RDT	452	Senior Seminar II	02
RDT	453	Senior Seminar III	02
RDT	454	Senior Seminar IV	02
RDT	461	Quality Management and Operational Issues in Radiation Therapy	04
RDT	471	Clinical Practicum I	08
RDT	472	Clinical Practicum II	08
RDT	473	Clinical Practicum III	08
RDT	474	Clinical Practicum IV	08
SCI	101C	Human Anatomy and Physiology I	05
SCI	102C	Human Anatomy and Physiology II	05
SCI	211	Pathophysiology	04
WRK	291B	Professional Career Strategies	01

**GENERAL EDUCATION REQUIREMENTS - 66 HOURS**

ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	161A	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
PSY	111	General Psychology	04
PSY	211	Psychology of Death and Dying	04
SCI	121	Physics Concepts	02
SOC	201	Sociology	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
SPK	211	Group Dynamics	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**





## ELECTIVES

## GENERAL EDUCATION ELECTIVES

Course Number	Course Title	Quarter Hours
<b>COMMUNICATION ELECTIVES</b> (Associate Degree)		
<b>ELECT 120A</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04

**COMMUNICATION ELECTIVES** (Bachelor Degree)

<b>ELECT 121A</b>	<b>Communication Elective</b>	
<b>ELECT 121B</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04
WRI 301A	Report Writing	04

**COMPUTER LITERACY ELECTIVES**

<b>ELECT 161A</b>	<b>Computer Literacy Elective</b>	
<b>ELECT 161B</b>	<b>Computer Literacy Elective</b>	
<b>ELECT 161C</b>	<b>Computer Literacy Elective</b>	
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 121	Introduction to Windows	02
INF 141A	Microsoft PowerPoint	02

**GLOBAL AND CULTURAL PERSPECTIVES ELECTIVES** (Bachelor Degree)

<b>ELECT 131A</b>	<b>Global and Cultural Perspectives Elective</b>	
<b>ELECT 131B</b>	<b>Global and Cultural Perspectives Elective</b>	
ECN 301	International Economics	04
GEO 101B	World Geography I	04
GEO 102B	World Geography II	04
HIS 301	Women's Studies	04
HIS 351	World History I	04
HIS 352	World History II	04
HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
HUM 101B	Art and Architecture I (Antiquity to Renaissance)	04
HUM 102B	Art and Architecture II (Baroque to Modern)	04
HUM 353	Art Appreciation	02
HUM 357	Music Appreciation	02
ITP 111	American Sign Language I	04
ITP 112	American Sign Language II	04
POL 401	International Relations	04
SOC 341	Global Perspectives	04
SPN 101	Spanish I	04
SPN 102	Spanish II	04
SPN 103	Spanish III	04

**PERSONAL AND SOCIAL ENVIRONMENTS ELECTIVES** (Bachelor Degree)

<b>ELECT 141A</b>	<b>Personal and Social Environments Elective</b>	
<b>ELECT 141B</b>	<b>Personal and Social Environments Elective</b>	
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
POL 201A	American Political Systems	04
PSY 211	Psychology of Death and Dying	04
PSY 221	Developmental Psychology	04
PSY 231	Organizational Psychology	04
PSY 335	Human Sexuality	04
PSY 351	Adolescent Psychology	04
PSY 401	Social Psychology	04
SOC 201	Sociology	04
SOC 301	Social Problems	04

**SCIENTIFIC INQUIRY ELECTIVES** (Bachelor Degree)

<b>ELECT 111A</b>	<b>Scientific Inquiry Elective</b>	
SCI 101C	Human Anatomy and Physiology I	05
SCI 111	Biology	05
SCI 215	Integrated Physics	04
SCI 220A	Microbiology	05
SCI 246	Chemistry I	04
SCI 251	General Physics I	04
SCI 321	Principles of Astronomy	04
SCI 451	Environmental Science	04

For more information or to see program videos, please visit [baker.edu](http://baker.edu).







## BAKER COLLEGE SCHOOL *of* NURSING

Any nurse will tell you it can be a tough and demanding job, but they will also tell you that 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.







## SCHOOL OF NURSING

### UNDERGRADUATE PROGRAMS

#### CERTIFICATE

Practical Nurse (PN) ..... PG. 134

#### ASSOCIATE DEGREES

Nursing ..... PG. 134

#### BACHELOR DEGREES

Nursing/BSN (Pre-Licensure)\* ..... PG. 135

Nursing/BSN (Post-Licensure)\* ..... PG. 136

#### ELECTIVES

General Education Electives ..... PG. 137



\*The Baccalaureate Post-licensure and Pre-licensure Nursing programs at Baker College are accredited by the Commission on Collegiate Nursing Education (CCNE); One Dupont Circle, NW, Suite 530, Washington, DC, (202) 887-6791.





## PRACTICAL NURSE

### Certificate

The Practical Nurse Program at Baker College prepares students to attain the necessary knowledge, attitudes, and skills for a career as a practical nurse. Upon completion of the program, graduates will obtain a certificate in Practical Nursing and be eligible to sit for the PN-NCLEX Exam. The curriculum is designed to assist students to become critical thinkers and problem solvers. Students are encouraged to develop an appreciation for the legal, moral, ethical, and cultural dimensions of issues they confront in an ever-evolving healthcare system. The Michigan Board of Nursing may deny licensure to an applicant who has been convicted of a crime or is addicted to drugs or alcohol.

The Baker College of Jackson Practical Nurse program has received initial approval from the Michigan Board of Nursing. Graduates of this program are eligible to take the NCLEX-PN licensing exam, which is a standard exam developed by the National Council of State Boards of Nursing. The Michigan Board of Nursing may deny LPN licensure to an applicant who has been convicted of a crime or is addicted to drugs or alcohol.

*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 66 HOURS</b>		
ENG 101	Composition I	04
HSC 151	Introduction to Electronic Health Records	02
HSC 221**	Nutrition	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
NUR 101A	Nursing Fundamentals	08
NUR 106	Nursing Pharmacology Overview	02
NUR 111	Health Assessment	02
NUR 131	Nursing Strategies Across the Lifespan and Across the Continuum	02
NUR 141	Nursing Drug Applications	02
NUR 171	Legal Issues in Nursing	02
PN 121B	Medical/Surgical Nursing for the PN	09
PN 131C	Maternity and Pediatric Nursing for the Practical Nurse	04
PN 171A	Practical Nurse Seminar	01
PSY 111*	General Psychology	04
SCI 101C*	Human Anatomy and Physiology I	05
SCI 102C**	Human Anatomy and Physiology II	05
SCI 211**	Pathophysiology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>66</b>

(\*) (\*\*) Asterisks denote single or double weighted pre-requisites.  
Program subject to change.

## NURSING

### Associate Degree in Nursing

The mission of the Nursing Program at Baker College is to prepare graduates who are life-long learners with the core knowledge and skills needed to provide competent, holistic nursing care in a diverse and ever-changing healthcare environment.

The Department of Nursing of Baker College embraces a commitment to the Art and Science of Human Caring, as described by Dr. Jean Watson, in the preparation of individuals committed to providing safe, compassionate, quality care, while promoting positive health outcomes. This Baker College associate degree program will provide practical instruction and experiential learning in a complex, technologically-advanced, culturally-diverse healthcare environment. This program of study will provide an academic foundation for life-long learning and nursing practice in dynamic, contemporary healthcare systems.

This framework is congruent with the mission and vision of Baker College to provide quality higher education and training that enable graduates to be successful throughout challenging and rewarding careers. Nursing is a career that requires life-long learning in a dynamic healthcare system, and the program of study will provide an academic foundation for further nursing education. The curriculum will foster a learning environment preparing caring nurses committed to professional and personal values and responsibilities.

The nursing programs within the Baker College System have been approved by the Michigan Board of Nursing.

Baker College of Muskegon and Baker College of Owosso are accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN), formerly (NLNAC); 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia 30326; phone: (404) 975-5000; fax: (404) 975-5020; Web address: [www.acenursing.org](http://www.acenursing.org).

*Program Status: Limited Enrollment.*

*All prerequisites must be taken prior to the core nursing classes.*



Course Number	Course Title	Quarter Hours
<b>NURSING MAJOR - 61 HOURS</b>		
NUR 101A	Nursing Fundamentals	08
NUR 106	Nursing Pharmacology Overview	02
NUR 111	Health Assessment	02
NUR 121B	Medical/Surgical Nursing I	10
NUR 131	Nursing Strategies Across the Lifespan and Across the Continuum	02
NUR 141	Nursing Drug Applications	02
NUR 151A	Maternal Child Nursing	05
NUR 161A	Nursing Care of Children and Their Families	05
NUR 171	Legal Issues in Nursing	02
NUR 201A	Mental Health Nursing	05
NUR 211B	Medical/Surgical Nursing II	05



NUR	231C	Medical/Surgical Nursing III	10
NUR	281	Nursing Leadership Seminar	03

**SCIENCE REQUIREMENTS - 22 HOURS**

HSC	151	Introduction to Electronic Health Records	02
HSC	221**	Nutrition	04
SCI	101C**	Human Anatomy and Physiology I	05
SCI	102C**	Human Anatomy and Physiology II	05
SCI	131**	Concepts in Microbiology	02
SCI	211**	Pathophysiology	04

**GENERAL EDUCATION REQUIREMENTS - 22 HOURS**

ENG	101	Composition I	04
ENG	102*	Composition II	04
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
PSY	111*	General Psychology	04
SPK	201*	Oral Communication	04

**QUARTER HOURS REQUIRED FOR GRADUATION 105**

(\*) (\*\*) Asterisks denote single or double weighted pre-requisites.

Program subject to change.

**NURSING (PRE-LICENSURE)****Bachelor of Science**

The goal of the Baker College Baccalaureate Pre-licensure Nursing program is to provide students a course of study in professional nursing which combines humanities and sciences with the theory and practice of nursing. Students will acquire knowledge and skills needed to function as professional nurses in healthcare settings that are responsive to individual and community needs. These individuals will develop into leaders of research, practice, education, and administration with the healthcare environment. There is no waiting list for this program, but enrollment is limited.

**Program requirements include:**

- 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).
- Students must have a cumulative GPA of a B- (2.7) in order to graduate with a BSN degree from Baker College. A minimum grade of 2.0 (C) is required for general education courses.

The nursing programs within the Baker College System have been approved by the Michigan Board of Nursing.

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.



*Program Status: Limited Enrollment.*



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**PREREQUISITES INCLUDE - 50 HOURS**

ENG	101	Composition I	04
ENG	102*	Composition II	04
HSC	151	Introduction to Electronic Health Records	02
HSC	221*	Nutrition	04
INF	161	Technology and Society	02
NUR	105	Introduction to Nursing	02
PSY	111	General Psychology	04
SCI	101C**	Anatomy and Physiology I	05
SCI	102C**	Anatomy and Physiology II	05
SCI	131*	Microbiology	02
SCI	211**	Pathophysiology	04
SCI	246	Chemistry I	04
SPK	201	Oral Communications	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

MTH	108	College Mathematics I: Reasoning and Application	04
MTH	111	Introductory Algebra	04

**NURSING MAJOR - 86 HOURS**

CIS	371	Introduction to Healthcare Informatics	04
NUR	205	Fundamentals of Nursing for the BSN	09
NUR	215	Health Assessment for the BSN	05
NUR	225	Pharmacology and Medication Administration	05
NUR	235	Medical Surgical Nursing I for the BSN	10
NUR	305	Mental Health Nursing for the BSN	06
NUR	335	Medical-Surgical Nursing II for the BSN	07
NUR	345	Evidence Based Practice for the RN	04
NUR	355	Maternal-Child Nursing for the BSN	06
NUR	365	Child and Family Nursing for the BSN	06
NUR	415	Community Nursing for the BSN	06
NUR	425	Nursing Leadership for the BSN	05
NUR	435	Medical-Surgical Nursing III for the BSN	07
NUR	485	Synthesis for the BSN	06

**GENERAL EDUCATION REQUIREMENTS - 44 HOURS**

HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
HUM	401A	Philosophy of Ethics	04
MTH	401	Statistical Methods	04
PSY	221	Developmental Psychology	04
SOC	321	Cultural Diversity	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**SELECT 2 COURSES FROM THE FOLLOWING:**

ITP	111	American Sign Language I	04
ITP	112	American Sign Language II	04
SPN	101	Spanish I	04
SPN	102	Spanish II	04

**SELECT 2 COURSES FROM THE FOLLOWING:**

ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	411	Foundations of Mass Communication	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
POL	201A	American Political Systems	04
PSY	211	Psychology of Death and Dying	04
PSY	231	Organizational Psychology	04
PSY	335	Human Sexuality	04
PSY	351	Adolescent Psychology	04
PSY	401	Social Psychology	04
SOC	201	Sociology	04
SOC	301	Social Problems	04

**QUARTER HOURS REQUIRED FOR GRADUATION 180**

(\*) (\*\*) Asterisks denote single or double weighted pre-requisites.

Program subject to change.



**NURSING (POST-LICENSURE)****Bachelor of Science**

The goal of the Baker College Baccalaureate Post-licensure Nursing program is to provide an opportunity for licensed registered nurses to continue their professional growth by the acquisition of knowledge and skills needed to function in healthcare settings that are responsive to individual and community needs as professional nurses. These individuals will develop into leaders of research, practice, education, and administration within the healthcare environment.

**Program requirements include:**

- An 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 clinical components of this program under the supervision of a baccalaureate nurse licensed in Canada. Successful completion of the Baker College baccalaureate nursing program does not qualify the Canadian graduate to take the US NCLEX examination.
- All students are expected to maintain licensure throughout their academic career.
- Applicants must include a photocopy of an active US or Canadian RN license or a printed page from the licensing state's nursing website or Canadian equivalent verifying licensure status and expiration date.
- Students must have a cumulative GPA of a B- (2.7) in order to graduate with a BSN degree from Baker College. A minimum grade of 2.7 (B-) is required for Health Science Courses (SCI, HSC, NUR). A minimum grade of 2.0 (C) is required for general education courses.

The nursing programs within the Baker College System have been approved by the Michigan Board of Nursing.

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.



*Program Status: Open Enrollment.*



Course Number	Course Title	Quarter Hours
<b>REQUIRED COURSES - 15 HOURS</b>		
HSC 221	Nutrition	04
PSY 111	General Psychology	04
SCI 102C	Human Anatomy and Physiology II	05
SCI 131	Concepts in Microbiology	02

**NURSING MAJOR - 44 HOURS**

CIS 371	Introduction to Healthcare Informatics	04
NUR 311	Fundamentals of Professional Nursing Practice	04
NUR 321	Nursing Assessment for the Registered Nurse	04
NUR 331	Health Promotion and Vulnerable Populations	04
NUR 341	Nursing Theory and Research	04
NUR 411	Community Health Nursing	04
NUR 412	Community Health Nursing Practicum	04
NUR 421	Nursing Leadership and Management	04
NUR 422	Nursing Leadership and Management Practicum	04
NUR 482	Nursing Seminar	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

NUR 431	Global Health	04
NUR 441	Pathophysiology for the Registered Nurse	04

**GENERAL EDUCATION REQUIREMENTS - 48 HOURS**

HUM 353	Art Appreciation	02
HUM 357	Music Appreciation	02
HUM 401A	Philosophy of Ethics	04
MTH 112A	College Algebra	04
MTH 401	Statistical Methods	04
PSY 221	Developmental Psychology	04
SOC 321	Cultural Diversity	04
SPN 101	Spanish I	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK 211	Group Dynamics	04
SPK 401A	Professional Speaking	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04
WRI 301A	Report Writing	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

ECN 301	International Economics	04
GEO 101B	World Geography I	04
GEO 102B	World Geography II	04
HIS 301	Women's Studies	04
HIS 351	World History I	04
HIS 411	Emerging Nations	04
ITP 111	American Sign Language I	04
ITP 112	American Sign Language II	04
POL 401	International Relations	04
SPN 102	Spanish II	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

POL 201A	American Political Systems	04
PSY 211	Psychology of Death and Dying	04
PSY 231	Organizational Psychology	04
PSY 335	Human Sexuality	04
PSY 351	Adolescent Psychology	04
PSY 401	Social Psychology	04
SOC 201	Sociology	04
SOC 301	Social Problems	04
SOC 341	Global Perspectives	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SCI 215	Integrated Physics	04
SCI 246	Chemistry I	04
SCI 321	Principles of Astronomy	04

**QUARTER HOURS REQUIRED FOR GRADUATION****180**

Access additional program information at [www.baker.edu](http://www.baker.edu)



## ELECTIVES

### GENERAL EDUCATION ELECTIVES

Course Number	Course Title	Quarter Hours
<b>COMMUNICATION ELECTIVES</b> (Associate Degree)		
<b>ELECT 120A</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04

### COMMUNICATION ELECTIVES (Bachelor Degree)

<b>ELECT 121A</b>	<b>Communication Elective</b>	
<b>ELECT 121B</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04
WRI 301A	Report Writing	04

### COMPUTER LITERACY ELECTIVES

<b>ELECT 161A</b>	<b>Computer Literacy Elective</b>	
<b>ELECT 161B</b>	<b>Computer Literacy Elective</b>	
<b>ELECT 161C</b>	<b>Computer Literacy Elective</b>	
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 121	Introduction to Windows	02
INF 141A	Microsoft PowerPoint	02

### GLOBAL AND CULTURAL PERSPECTIVES ELECTIVES (Bachelor Degree)

<b>ELECT 131A</b>	<b>Global and Cultural Perspectives Elective</b>	
<b>ELECT 131B</b>	<b>Global and Cultural Perspectives Elective</b>	
ECN 301	International Economics	04
GEO 101B	World Geography I	04
GEO 102B	World Geography II	04
HIS 301	Women's Studies	04
HIS 351	World History I	04
HIS 352	World History II	04

HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
HUM 101B	Art and Architecture I (Antiquity to Renaissance)	04
HUM 102B	Art and Architecture II (Baroque to Modern)	04
HUM 353	Art Appreciation	02
HUM 357	Music Appreciation	02
ITP 111	American Sign Language I	04
ITP 112	American Sign Language II	04
POL 401	International Relations	04
SOC 341	Global Perspectives	04
SPN 101	Spanish I	04
SPN 102	Spanish II	04
SPN 103	Spanish III	04

### PERSONAL AND SOCIAL ENVIRONMENTS ELECTIVES (Bachelor Degree)

<b>ELECT 141A</b>	<b>Personal and Social Environments Elective</b>	
<b>ELECT 141B</b>	<b>Personal and Social Environments Elective</b>	
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
POL 201A	American Political Systems	04
PSY 211	Psychology of Death and Dying	04
PSY 221	Developmental Psychology	04
PSY 231	Organizational Psychology	04
PSY 335	Human Sexuality	04
PSY 351	Adolescent Psychology	04
PSY 401	Social Psychology	04
SOC 201	Sociology	04
SOC 301	Social Problems	04

### SCIENTIFIC INQUIRY ELECTIVES (Bachelor Degree)

<b>ELECT 111A</b>	<b>Scientific Inquiry Elective</b>	
SCI 101C	Human Anatomy and Physiology I	05
SCI 111	Biology	05
SCI 215	Integrated Physics	04
SCI 220A	Microbiology	05
SCI 246	Chemistry I	04
SCI 251	General Physics I	04
SCI 321	Principles of Astronomy	04
SCI 451	Environmental Science	04

For more information or to see program videos, please visit [baker.edu](http://baker.edu).





**The area of Human Services covers a wide variety of professions that have one thing in common: they are all devoted to helping people. Whether it's criminal justice, early childhood education, interpreter training, fire science, or public safety, you will provide those in need with essential services—while making positive contributions to their lives, as well as your own. Career satisfaction in some Human Services fields ranks among the highest of all professions.**

Many of the courses and programs at Baker College are offered in an online delivery format. See page 153 for Baker College Online programs. Contact your campus Academic/Administrative Office for details about Online courses.

A new student may choose an "Undeclared but Degree Seeking" program. A student also may add a limited number of "Student Elected Classes" to his/her program with the approval of an Academic Advisor. Information about both of these options, including course and credit hour limitations, can be obtained in the Academic Office.

Information regarding double majors and/or minors is located on page 241. Contact your campus Human Services staff to discuss requirements.

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

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).

The Human Services Associate and Bachelor Degree programs are accredited by the Council for Standards in Human Service Education (CSHSE). 3337 Duke Street, Alexandria, VA 22314; phone: 571-257-3959; e-mail: [info@cshse.org](mailto:info@cshse.org); Web address: [www.cshse.org](http://www.cshse.org).







# HUMAN SERVICES

## UNDERGRADUATE PROGRAMS

### CERTIFICATES

CDA Academic Foundations .....	PG. 140
Correctional Studies .....	PG. 140
Special Needs Paraprofessional/ Behavioral Technician .....	PG. 141

### ASSOCIATE DEGREES

#### Associate of Applied Science

Criminal Justice .....	PG. 141
Criminal Justice - Law Enforcement Academy (Police) .....	PG. 142
Early Childhood Education .....	PG. 142
Fire Science.....	PG. 143
Human Services .....	PG. 143
Interpreter Training.....	PG. 144
Public Safety .....	PG. 144

### BACHELOR DEGREES

#### Bachelor of Science

Criminal Justice .....	PG. 145
Criminal Justice - Law Enforcement Academy (Police) .....	PG. 146
Early Childhood Education .....	PG. 147
Fire Science.....	PG. 147
Human Services .....	PG. 148
Interpreter Training.....	PG. 149
Public Safety .....	PG. 149

### ELECTIVES

General Education Electives .....	PG. 150
-----------------------------------	---------





## CERTIFICATE PROGRAMS

### CDA ACADEMIC FOUNDATIONS

#### Certificate

This program is designed to assist home learning providers and GSRP or Head Start teacher assistants or aides to earn their CDA Credential—Center Setting, Pre-school, ages 3-5—from the Council for Professional Recognition, while they continue to work. This Baker College certificate program starts in the fall and consists of seven courses to be completed in one year. In this program, you will meet the academic requirements needed for the CDA Pre-school Credential. You will also meet the resource file requirements needed for the CDA Pre-school Credential, and be eligible to apply for part-time financial aid from Baker College and/or the Michigan T.E.A.C.H. program.



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 25 HOURS</b>		
ECE 101B	Introduction to Early Childhood Education	04
ECE 111B	Early Childhood Development	04
ECE 131A	Healthy Environments for Early Childhood	04
ECE 151A	Administration of Early Childhood Programs	04
ECE 171A	Language Development and Language Arts	04
ECE 191A	CDA Preparation	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
HSC 100B	Community First Aid	01
HSC 102	BLS Provider Training and First Aid	01
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>25</b>

### CORRECTIONAL STUDIES

#### Certificate

This program prepares students for meeting the Michigan Department of Corrections (MDOC) requirements needed for positions in correctional facilities in the state, local, and private sectors. Students could complete 24 credits in a minimum of two quarters. Students successfully completing this certificate will have completed the requirements for initial employment by the MDOC.



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 24 HOURS</b>		
CRJ 101	Introduction to Criminal Justice	04
CRJ 106	Introduction to Corrections	04
<b>SELECT THREE OF THE FOLLOWING:</b>		
CRJ 121	Correctional Facilities	04
CRJ 131	Client Relations	04
CRJ 141	Criminology	04
CRJ 151	Legal Issues in Corrections	04
CRJ 171	Defensive Tactics	04
CRJ 181	Community Corrections	04
CRJ 211	Interpersonal Communication and Conflict Management	04
<b>SELECT ONE OF THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
SOC 201	Sociology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>24</b>



## SPECIAL NEEDS PARAPROFESSIONAL/ BEHAVIORAL TECHNICIAN

### Certificate

Baker's Special Needs Paraprofessional/Behavioral Technician certificate program prepares you to work with children with Autism and other special needs in a variety of settings through theoretical coursework and field training. When you complete this certificate, you will have the skills for employment in P-12 schools (inclusion or self-contained), resource rooms, post-secondary training, center-based programs, head start, not-for-profits, and private clinics.

Applied Behavior Analysis (ABA) is a growing field in need of individuals at the pre-bachelor and master degree levels. The Registered Behavior Technician (RBT) certificate is available at the pre-bachelor degree level for students interested in pursuing a career in a field that is dedicated to helping others. The pre-bachelor RBT Certificate provides the students with the experience of working in a growing field early in their career while providing valuable hands-on experiences. Specific knowledge and skills related to the RBT Certificate may be accumulated within the Special Needs Paraprofessional/Behavioral Technician program by taking RBT 241 and RBT 271. Paraprofessional Personnel employed in special education programs shall be qualified under requirements established by their respective intermediate school district plan. Paraprofessional personnel include, but are not limited to, teacher aides, healthcare aides, bilingual aides, instructional aides, and program assistants in programs for students with cognitive impairment or severe multiple impairments.



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 25 HOURS</b>		
SED 211	Essential Knowledge of Special Education for Paraprofessionals	04
SED 221	Essential Roles for Paraprofessionals: P-12 Special Education	04
SED 231	Behavior Management	03
SED 236	Non-violent Crisis Intervention	01
SED 251	Assistive Technology for Special Settings	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
HSC 100B	Community First Aid	01
HSC 102	BLS Provider Training and First Aid	01
<b>SELECT 1 GROUP OF COURSES:</b>		
RBT 241	Behaviors of Autism and Special Needs Populations	04
RBT 271	Behaviors of Autistic and Special Needs Populations Practicum	04
<b>OR</b>		
SED 241	Low Incidence Disabilities	04
SED 271	SED Practicum	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>25</b>

## ASSOCIATE DEGREE PROGRAMS

### CRIMINAL JUSTICE

#### Associate of Applied Science Degree

This program prepares graduates with the skills, tools, and methods needed to work in the criminal justice profession. The program explores the philosophical underpinnings of crime and justice. Graduates will understand the interrelatedness of police, corrections, and the courts. Concepts of justice, duty, and societal issues will be examined along with various ethical issues related to criminal justice topics. Graduates will model ethical behavior and a commitment to service with the skills necessary to respond to complex and dynamic situations appropriately. Interpersonal communication and writing skills germane to the criminal justice profession are practiced throughout the program.



Course Number	Course Title	Quarter Hours
<b>CRIMINAL JUSTICE MAJOR - 70 HOURS</b>		
CRJ 101	Introduction to Criminal Justice	04
CRJ 106	Introduction to Corrections	04
CRJ 111	9-1-1 Telecommunications I	04
CRJ 112	9-1-1 Telecommunications II	04
CRJ 121	Correctional Facilities	04
CRJ 131	Client Relations	04
CRJ 141	Criminology	04
CRJ 151	Legal Issues in Corrections	04
CRJ 211	Interpersonal Communication and Conflict Management	04
CRJ 221	Interviewing, Investigations, and Report Writing	04
CRJ 231	Principles of Policing I	04
CRJ 261A	Security Management	04
CRJ 281A	Criminal Justice Work Experience I	04
CRJ 301	Juvenile Justice Concepts	04
CRJ 311	Ethical Issues in Criminal Justice	04
HSC 102	BLS Provider Training and First Aid	01
PSY 311	Abnormal Psychology	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CRJ 171	Defensive Tactics	04
CRJ 181	Community Corrections	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ELECT 161C	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>102</b>





## CRIMINAL JUSTICE - LAW ENFORCEMENT ACADEMY (POLICE)

### Associate of Applied Science Degree

This program prepares graduates with the skills, tools, and methods needed in the law enforcement profession. Students successfully completing the program will receive an Associate of Applied Science in Criminal Justice and 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 24-quarter credits upon successful completion of the Academy. Students must be admitted into the Academy to remain in this program.



Course Number	Course Title	Quarter Hours
<b>LAW ENFORCEMENT ACADEMY - 24 HOURS</b>		
<b>CRIMINAL JUSTICE MAJOR - 46 HOURS</b>		
CRJ 101	Introduction to Criminal Justice	04
CRJ 106	Introduction to Corrections	04
CRJ 111	9-1-1 Telecommunications I	04
CRJ 112	9-1-1 Telecommunications II	04
CRJ 121	Correctional Facilities	04
CRJ 151	Legal Issues in Corrections	04
CRJ 261A	Security Management	04
CRJ 281A	Criminal Justice Work Experience I	04
CRJ 301	Juvenile Justice Concepts	04
CRJ 311	Ethical Issues in Criminal Justice	04
HSC 102	BLS Provider Training and First Aid	01
PSY 311	Abnormal Psychology	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ELECT 161C	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>102</b>

## EARLY CHILDHOOD EDUCATION

### Associate of Applied Science Degree

This program prepares students for employment opportunities as a child care program director, a pre-school teacher, a teacher assistant, or a family child care manager. Students learn to plan and organize age appropriate curricula and environments for infants, toddlers, pre-school-age children, and school-

age children in before and after school settings. This program examines current challenges that early childhood educators will face as they enter this contemporary profession. Characteristics, skills, knowledge, and experiences important in becoming a teacher of young children are presented to the student. Students are involved in several hours of fieldwork experience within various child care settings. This program prepares the student for the Child Development Associate (CDA) assessment process, the national credential recognized by the Council for Professional Recognition. The CDA credential is an entry-level credential that provides a broad foundation in early childhood education. This program does NOT lead to elementary (K-12) certification.

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: 800-424-24600 or 866-NAEYC-4U;  
Web address: [www.naeyc.org](http://www.naeyc.org).



Course Number	Course Title	Quarter Hours
<b>EARLY CHILDHOOD EDUCATION MAJOR - 67 HOURS</b>		
ECE 101B	Introduction to Early Childhood Education	04
ECE 111B	Early Childhood Development	04
ECE 131A	Healthy Environments for Early Childhood	04
ECE 141A	Creative Activities	04
ECE 151A	Administration of Early Childhood Programs	04
ECE 165	Observation and Assessment Techniques for Early Childhood Education Programs	04
ECE 171A	Language Development and Language Arts	04
ECE 201C	Infant and Toddler Development and Curriculum	04
ECE 201CL	Infant and Toddler Development and Curriculum Lab	01
ECE 211A	Developing Anti-Bias Curriculum	04
ECE 221B	Math, Science, and Technology for Early Childhood	04
ECE 231	Guidance and Discipline	04
ECE 251	Developing Curriculum for Early Childhood	04
ECE 271B	Early Childhood Education Practicum	04
ECE 281	Parents and Teachers: Partners in Education	04
LIT 321A	Children's Literature	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
ECE 181	The School-Age Child	04
ECE 191A	CDA Preparation	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
HSC 100B	Community First Aid	01
HSC 102	BLS Provider Training and First Aid	01
<b>GENERAL EDUCATION REQS - 32 HOURS</b>		
ELECT 120A	Communication Elective	04
ELECT 161A	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 121	Introduction to Windows	02
INF 161	Technology and Society	02
PSY 111	General Psychology	04
SPK 201	Oral Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 111	Introductory Algebra	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>99</b>



## FIRE SCIENCE

### Associate of Applied Science Degree

Provides students with the educational background for employment in the fire science area and assists those already employed to obtain credentials for promotional opportunities. The program provides instruction in fire prevention methods, fire behavior, fire protection systems, principles of emergency services, as well as broad range of Criminal Justice theories and practices. This degree also prepares students in basic fire training, and successful completion leads to certification by the Michigan Firefighting Training Council for Fire Fighter I and II and Hazardous Materials-Operations Level. Individuals who have completed their State of Michigan Fire Fighter I and II Certification and Medical First Responder will be granted credit for FIRE 101, FIRE 102, and MFR 101. This degree is designed to be compliant with the Fire and Emergency Services Higher Education (FESHE) standards established by the National Fire Academy.



Course Number	Course Title	Quarter Hours
<b>FIRE SCIENCE MAJOR - 72 HOURS</b>		
CRJ 111	9-1-1 Telecommunications I	04
CRJ 112	9-1-1 Telecommunications II	04
CRJ 211	Interpersonal Communication and Conflict Management	04
CRJ 281A	Criminal Justice Work Experience I	04
FIRE 101	Fire Academy (Part I)	10
FIRE 102	Fire Academy (Part II)	14
FIRE 121	Principles of Emergency Services	04
FIRE 131	Fire Prevention	04
FIRE 141	Fire Protection	04
FIRE 151	Building Construction for Fire Protection	04
FIRE 211	Principles of Fire and Emergency Services, Safety, and Survival	04
FIRE 221	Fire Behavior and Combustion	04
MFR 101	Medical First Responder	03
PSY 311	Abnormal Psychology	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ELECT 161C	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>104</b>

## HUMAN SERVICES

### Associate of Applied Science Degree

This program prepares students in the areas of psychology, stress management, conflict management, and social problems to work in entry-level positions in a variety of human services settings. Graduates will work closely with social workers, counselors, and psychologists, focusing on the special needs of children, adolescents, families, developmentally disabled individuals, and the elderly. This program combines general education with training for competency in the field of human services in order for graduates to be prepared in their chosen fields of study and to continually enhance their own personal and professional growth.

The Human Services Associate and Bachelor Degree programs are accredited by the Council for Standards in Human Service Education (CSHSE), 3337 Duke Street, Alexandria, VA 22314; phone: 571-257-3959; e-mail: info@cshse.org; Web address: www.cshse.org.



Course Number	Course Title	Quarter Hours
<b>HUMAN SERVICES MAJOR - 65 HOURS</b>		
HUS 101B	Introduction to Human Services	04
HUS 121	Family Dynamics	04
HUS 131B	Human Services Resources	02
HUS 141	Abuse and Neglect in the Family	04
HUS 201	Substance Abuse	04
HUS 211	Assessment, Recording, and Reporting	04
HUS 221	Case Management I	04
HUS 231	Crisis Intervention	02
HUS 271A	Human Services Internship I	06
HUS 371A	Human Services Internship II	06
PSY 111	General Psychology	04
PSY 201A	Cognitive-Behavior Therapy	04
PSY 241	Theories of Counseling	04
PSY 331	Human Development I	04
PSY 332	Human Development II	04
SOC 201	Sociology	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ELECT 120A	Communication Elective	04
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ELECT 161C	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
PSY 211	Psychology of Death and Dying	04
SPK 201	Oral Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>97</b>



## INTERPRETER TRAINING

### Associate of Applied Science Degree

This program prepares graduates for employment as Sign Language Interpreters who facilitate communication between deaf and hard of hearing individuals and the hearing population. Upon successful completion of the associate degree program, graduates will have the skills required to be eligible to sit for the state certification test.



Course Number	Course Title	Quarter Hours
<b>INTERPRETER TRAINING MAJOR - 74 HOURS</b>		
ENG 211A	Structures of English	05
ITP 101	The Deaf Community	02
ITP 111	American Sign Language I	04
ITP 112	American Sign Language II	04
ITP 113	American Sign Language III	04
ITP 121	Expressive Manual Communication	02
ITP 131A	Fingerspelling I	02
ITP 132A	Fingerspelling II	02
ITP 141A	Sign to Voice I	04
ITP 201	Voice to Sign I	04
ITP 202	Voice to Sign II	04
ITP 214	American Sign Language IV	04
ITP 221	Introduction to the Interpreting Profession	04
ITP 231	Linguistic Principles	04
ITP 242A	Sign to Voice II	04
ITP 251A	Transliterating I	04
ITP 261A	Deaf Culture and History	04
ITP 271	Signing Internship I	04
ITP 272	Signing Internship II	04
ITP 291	Professional Interpreter Seminar I	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 121	Introduction to Windows	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
PSY 101	Human Relations	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>106</b>

## PUBLIC SAFETY

### Associate of Applied Science Degree

As many municipalities are consolidating their separate police and fire departments into one, this program prepares students for employment opportunities in firefighting, Emergency Medical Services, and Criminal Justice. Students graduating from the program will have developed knowledge and skills needed as a public safety officer. This degree also prepares students in basic fire training, and successful completion leads to certification by the Michigan Firefighting Training Council for Fire Fighter I and II and Hazardous Materials-Operations Level. Individuals who have completed their State of Michigan Fire Fighter I and II Certification and Medical First Responder will be granted credit for FIRE 101, FIRE 102, and MFR 101. The Cadillac campus is offering either the Fire Track (Fire I, Fire II, and Medical First Responder) or EMT track (Basic EMT I and Basic EMT II). Successful completion of Basic EMT I and Basic EMT II will make candidates eligible to apply for the National Registry of EMTs' written exam which is necessary for licensure in the state of Michigan. Individuals who possess their basic EMT license will be granted credit for EMS 101 and EMS 102.



Course Number	Course Title	Quarter Hours
<b>PUBLIC SAFETY MAJOR - 72 HOURS</b>		
CRJ 101	Introduction to Criminal Justice	04
CRJ 231	Principles of Policing I	04
CRJ 281A	Criminal Justice Work Experience I	04
CRJ 311	Ethical Issues in Criminal Justice	04
FIRE 101	Fire Academy (Part I)	10
FIRE 102	Fire Academy (Part II)	14
MFR 101	Medical First Responder	03
PSY 311	Abnormal Psychology	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CRJ 111	9-1-1 Telecommunications I	04
FIRE 121	Principles of Emergency Services	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CRJ 171	Defensive Tactics	04
FIRE 131	Fire Prevention	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CRJ 141	Criminology	04
FIRE 141	Fire Protection	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CRJ 211	Interpersonal Communication and Conflict Management	04
FIRE 151	Building Construction for Fire Protection	04



**SELECT 1 COURSE FROM THE FOLLOWING:**

CRJ	221	Interviewing, Investigations, and Report Writing	04
FIRE	211	Principles of Fire and Emergency Services, Safety and Survival	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

CRJ	301	Juvenile Justice Concepts	04
FIRE	221	Fire Behavior and Combustion	04

**GENERAL EDUCATION REQUIREMENTS - 32 HOURS**

ELECT	161A	Computer Literacy Elective	02
ELECT	161B	Computer Literacy Elective	02
ELECT	161C	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 104****BACHELOR DEGREE PROGRAMS****CRIMINAL JUSTICE****Bachelor of Science in Criminal Justice**

This program prepares graduates with the skills, tools, and methods needed to work in the criminal justice profession. The program explores the philosophical underpinnings of crime and justice. Graduates will understand the interrelatedness of police, corrections, and the courts. Concepts of justice, duty, and societal issues will be examined along with various ethical issues related to criminal justice topics. Graduates will model ethical behavior and a commitment to service with the skills necessary to respond to complex and dynamic situations appropriately. Interpersonal communication and writing skills germane to the criminal justice profession are practiced throughout the program.



Course Number	Course Title	Quarter Hours
<b>CRIMINAL JUSTICE MAJOR - 118 HOURS</b>		
CRJ 101	Introduction to Criminal Justice	04
CRJ 106	Introduction to Corrections	04
CRJ 111	9-1-1 Telecommunications I	04
CRJ 112	9-1-1 Telecommunications II	04
CRJ 121	Correctional Facilities	04
CRJ 131	Client Relations	04
CRJ 141	Criminology	04
CRJ 151	Legal Issues in Corrections	04
CRJ 211	Interpersonal Communication and Conflict Management	04
CRJ 221	Interviewing, Investigations, and Report Writing	04
CRJ 231	Principles of Policing I	04
CRJ 232	Principles of Policing II	04
CRJ 261A	Security Management	04
CRJ 281A	Criminal Justice Work Experience I	04
CRJ 301	Juvenile Justice Concepts	04
CRJ 311	Ethical Issues in Criminal Justice	04
CRJ 321	Criminal Law	04
CRJ 331	Cybercrime Investigations	04
CRJ 341	Introduction to Forensic Science	04
CRJ 351	Evidence Collection and Procedures	04
CRJ 361	Organized Crime and Youth Gangs	04
CRJ 371	Criminal Courts	04
CRJ 421	Evidence-Based Practices	04
CRJ 431	Terrorism and Homeland Security	04
CRJ 441	Organizational Leadership in Criminal Justice	04
CRJ 481A	Criminal Justice Work Experience II	04
HSC 102	BLS Provider Training and First Aid	01
HUS 201	Substance Abuse	04
PSY 311	Abnormal Psychology	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CRJ 171	Defensive Tactics	04
CRJ 181	Community Corrections	04



## GENERAL EDUCATION REQUIREMENTS - 68 HOURS

ELECT	111A	Scientific Inquiry Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	161A	Computer Literacy Elective	02
ELECT	161B	Computer Literacy Elective	02
ELECT	161C	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	201	Sociology	04
SOC	301	Social Problems	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

### SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

### SELECT 1 COURSE FROM THE FOLLOWING:

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION** **186**

The following minors are available with this program:

- ADULT INSTRUCTOR AND TRAINER MINOR
- AMERICAN SIGN LANGUAGE MINOR
- EARLY CHILDHOOD EDUCATION MINOR
- HUMAN SERVICES MINOR

## CRIMINAL JUSTICE - LAW ENFORCEMENT ACADEMY (POLICE)

### Bachelor of Science in Criminal Justice

This program prepares graduates with the skills, tools, and methods needed in the law enforcement profession. Students successfully completing the program will receive a Bachelor in Criminal Justice and certification as a police officer in the State of Michigan pursuant to Michigan Commission on Law Enforcement Standards (MCOLES). A student will take most of his/her academic courses during the third and fourth year of classes before applying for the Law Enforcement Regional Training 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 24-quarter credits upon successful completion of the Academy. Students must be admitted into the Academy to remain in this program.



**Course Number** **Course Title** **Quarter Hours**

## LAW ENFORCEMENT ACADEMY - 24 HOURS

### CRIMINAL JUSTICE MAJOR - 94 HOURS

CRJ	101	Introduction to Criminal Justice	04
CRJ	106	Introduction to Corrections	04
CRJ	111	9-1-1 Telecommunications I	04
CRJ	112	9-1-1 Telecommunications II	04
CRJ	121	Correctional Facilities	04
CRJ	151	Legal Issues in Corrections	04
CRJ	232	Principles of Policing II	04
CRJ	261A	Security Management	04
CRJ	281A	Criminal Justice Work Experience I	04
CRJ	301	Juvenile Justice Concepts	04
CRJ	311	Ethical Issues in Criminal Justice	04
CRJ	321	Criminal Law	04
CRJ	331	Cybercrime Investigations	04
CRJ	341	Introduction to Forensic Science	04
CRJ	351	Evidence Collection and Procedures	04
CRJ	361	Organized Crime and Youth Gangs	04
CRJ	371	Criminal Courts	04
CRJ	421	Evidence-Based Practices	04
CRJ	431	Terrorism and Homeland Security	04
CRJ	441	Organizational Leadership in Criminal Justice	04
CRJ	481A	Criminal Justice Work Experience II	04
HSC	102	BLS Provider Training and First Aid	01
HUS	201	Substance Abuse	04
PSY	311	Abnormal Psychology	04
WRK	291B	Professional Career Strategies	01

### GENERAL EDUCATION REQUIREMENTS - 68 HOURS

ELECT	111A	Scientific Inquiry Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	161A	Computer Literacy Elective	02
ELECT	161B	Computer Literacy Elective	02
ELECT	161C	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	201	Sociology	04
SOC	301	Social Problems	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

### SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

### SELECT 1 COURSE FROM THE FOLLOWING:

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION** **186**





## EARLY CHILDHOOD EDUCATION

### Bachelor of Science in Early Childhood Education

This program prepares students for a rewarding career in Early Childhood Education. It will blend higher-level critical applications of the theoretical and practical study of child development and early childhood education in a multitude of professional applications. The Early Childhood Education Bachelor Degree program will require four years of college preparation. The goal of this program is to produce quality Early Childhood Education professionals. Successful graduates may be employed in supervisor and administrative positions, as family advocates, pre-school teachers, home visitors, directors, curriculum developers, and child advocates. This program does NOT lead to elementary (K-12) certification.



Course Number	Course Title	Quarter Hours
<b>EARLY CHILDHOOD EDUCATION MAJOR - 111 HOURS</b>		
ECE 101B	Introduction to Early Childhood Education	04
ECE 111B	Early Childhood Development	04
ECE 131A	Healthy Environments for Early Childhood	04
ECE 141A	Creative Activities	04
ECE 151A	Administration of Early Childhood Programs	04
ECE 165	Observation and Assessment Techniques for Early Childhood Education Programs	04
ECE 171A	Language Development and Language Arts	04
ECE 201C	Infant and Toddler Development and Curriculum	04
ECE 201CL	Infant and Toddler Development and Curriculum Lab	01
ECE 211A	Developing Anti-Bias Curriculum	04
ECE 221B	Math, Science, and Technology for Early Childhood	04
ECE 231	Guidance and Discipline	04
ECE 251	Developing Curriculum for Early Childhood	04
ECE 271B	Early Childhood Education Practicum	04
ECE 281	Parents and Teachers: Partners in Education	04
ECE 301	Advocating for Young Children	04
ECE 351	Philosophies in Early Childhood Education	04
ECE 361	Survey of Curriculum	04
ECE 371	Early Childhood Education Practicum II	04
ECE 372	Implementation of Curriculum in an Early Childhood Education Environment	04
ECE 401	Advanced Infant/Toddler Care	04
ECE 441	Music and Movement for Young Children	04
ECE 451	Early Childhood Education Practicum III	04
ECE 452	Administrative Operations in ECE	04
ECE 461	Early Assessment and Referral	04
ECE 471	Early Literacy Intervention	04
LIT 321A	Children's Literature	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
HSC 100B	Community First Aid	01
HSC 102	BLS Provider Training and First Aid	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
ECE 181	The School-Age Child	04
ECE 191A	CDA Preparation	04

### GENERAL EDUCATION REQUIREMENTS - 72 HOURS

ELECT 111A	Scientific Inquiry Elective	04
ENG 101	Composition I	04
ENG 102	Composition II	04
ENG 231	Language and Culture	04
GEO 101B	World Geography I	04
HUM 401A	Philosophy of Ethics	04
INF 112	Word Processing	02
INF 121	Introduction to Windows	02
INF 141A	Microsoft PowerPoint	02
INF 161	Technology and Society	02
PSY 111	General Psychology	04
SOC 201	Sociology	04
SOC 301	Social Problems	04
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04
SPK 401A	Professional Speaking	04
WRI 115	Workplace Communication	04

### SELECT 1 COURSE FROM THE FOLLOWING:

ITP 111	American Sign Language I	04
SPN 101	Spanish I	04

### SELECT 1 COURSE FROM THE FOLLOWING:

MTH 108	College Mathematics I: Reasoning and Application	04
MTH 111	Introductory Algebra	04

### SELECT 1 COURSE FROM THE FOLLOWING:

MTH 109	College Mathematics II	04
MTH 112A	College Algebra	04

### QUARTER HOURS REQUIRED FOR GRADUATION

**183**

The following minors are available with this program:

- AMERICAN SIGN LANGUAGE MINOR
- HUMAN SERVICES MINOR
- NON-PROFIT MINOR

## FIRE SCIENCE

### Bachelor of Science in Fire Science

The Bachelor of Science in Fire Science provides individuals with current principles, theories, and practices associated fire science and public safety. This degree prepares students for more administrative or leadership positions within the fire fighting and/or public safety industry, and includes issues associated with fire safety, fire prevention, and principles of emergency services, as well as topics related to the Criminal Justice field. This degree also prepares students in basic fire training, and successful completion leads to certification by the Michigan Firefighting Training Council for Fire Fighter I and II and Hazardous Materials-Operations Level. Individuals who have completed their State of Michigan Fire Fighter I and II Certification and Medical First Responder will be granted credit for FIRE 101, FIRE 102, and MFR 101. This degree is designed to be compliant with the Fire and Emergency Services Higher Education (FESHE) standards established by the National Fire Academy.







## HUMAN SERVICES PROGRAMS - BACHELOR DEGREES

Course Number	Course Title	Quarter Hours
<b>FIRE SCIENCE MAJOR - 120 HOURS</b>		
CRJ 101	Introduction to Criminal Justice	04
CRJ 111	9-1-1 Telecommunications I	04
CRJ 141	Criminology	04
CRJ 211	Interpersonal Communication and Conflict Management	04
CRJ 221	Interviewing, Investigations, and Report Writing	04
CRJ 231	Principles of Policing I	04
CRJ 281A	Criminal Justice Work Experience I	04
CRJ 301	Juvenile Justice Concepts	04
CRJ 311	Ethical Issues in Criminal Justice	04
CRJ 321	Criminal Law	04
CRJ 341	Introduction to Forensic Science	04
CRJ 351	Evidence Collection and Procedures	04
CRJ 361	Organized Crime and Youth Gangs	04
CRJ 371	Criminal Courts	04
CRJ 441	Organizational Leadership in Criminal Justice	04
CRJ 481A	Criminal Justice Work Experience II	04
FIRE 101	Fire Academy (Part I)	10
FIRE 102	Fire Academy (Part II)	14
FIRE 121	Principles of Emergency Services	04
FIRE 131	Fire Prevention	04
FIRE 141	Fire Protection	04
FIRE 151	Building Construction for Fire Protection	04
FIRE 211	Principles of Fire and Emergency Services, Safety, and Survival	04
FIRE 221	Fire Behavior and Combustion	04
MFR 101	Medical First Responder	03
PSY 311	Abnormal Psychology	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 68 HOURS</b>		
ELECT 111A	Scientific Inquiry Elective	04
ELECT 131A	Global and Cultural Perspectives Elective	04
ELECT 131B	Global and Cultural Perspectives Elective	04
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ELECT 161C	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 109	College Mathematics II	04
SOC 201	Sociology	04
SOC 301	Social Problems	04
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
WRI 301A	Report Writing	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
SPK 211	Group Dynamics	04
SPK 401A	Professional Speaking	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>188</b>

### HUMAN SERVICES

#### Bachelor of Science

This program prepares students to enter into jobs as case managers, mental health team members for in-home programs, state social service workers, direct care providers or supervisors in residential settings, shelter personnel, and other mental health or social service positions. This program combines general education with training for competency in the field of human services in order for graduates to be prepared in their chosen fields of study and to continually enhance their own personal and professional growth.

The Human Services Associate and Bachelor Degree programs are accredited by the Council for Standards in Human Service Education (CSHSE), 3337 Duke Street, Alexandria, VA 22314; phone: 571-257-3959; e-mail: info@cshse.org; Web address: www.cshse.org.



Course Number	Course Title	Quarter Hours
<b>HUMAN SERVICES MAJOR - 131 HOURS</b>		
HUS 101B	Introduction to Human Services	04
HUS 121	Family Dynamics	04
HUS 131B	Human Services Resources	02
HUS 141	Abuse and Neglect in the Family	04
HUS 201	Substance Abuse	04
HUS 211	Assessment, Recording, and Reporting	04
HUS 221	Case Management I	04
HUS 231	Crisis Intervention	02
HUS 271A	Human Services Internship I	06
HUS 292A	Family Support Strategies	04
HUS 301A	Research Methods in Human Services	04
HUS 321A	Human Services Administration I	04
HUS 351	Child Welfare Services	04
HUS 371A	Human Services Internship II	06
HUS 403	Mental Health Services	04
HUS 411A	Institutional Treatment and Alternative Settings in Human Services	04
HUS 412	Case Management II	04
HUS 421A	Human Services Administration II	04
HUS 431	The DSM System	04
HUS 441	Home Visitation	02
HUS 471A	Human Services Internship III	06
PSY 111	General Psychology	04
PSY 201A	Cognitive-Behavior Therapy	04
PSY 241	Theories of Counseling	04
PSY 311	Abnormal Psychology	04
PSY 321	Psychology of Disability	04
PSY 331	Human Development I	04
PSY 332	Human Development II	04
PSY 405	Psychopharmacology	02
PSY 411	Clinical Methods in Mental Health	04
SOC 201	Sociology	04
SOC 301	Social Problems	04
SOC 321	Cultural Diversity	04
WRK 291B	Professional Career Strategies	01
<b>GENERAL EDUCATION REQUIREMENTS - 64 HOURS</b>		
ELECT 111A	Scientific Inquiry Elective	04
ELECT 121A	Communication Elective	04
ELECT 121B	Communication Elective	04
ELECT 131A	Global and Cultural Perspectives Elective	04
ELECT 131B	Global and Cultural Perspectives Elective	04
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ELECT 161C	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 109	College Mathematics II	04
PSY 211	Psychology of Death and Dying	04
PSY 335	Human Sexuality	04



PSY	401	Social Psychology	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 195**

The following minors are available with this program:

- ADULT INSTRUCTOR AND TRAINER MINOR
- AMERICAN SIGN LANGUAGE MINOR
- CRIMINAL JUSTICE MINOR
- EARLY CHILDHOOD EDUCATION MINOR
- NON-PROFIT MINOR

**INTERPRETER TRAINING****Bachelor of Science**

This program prepares graduates for employment as Sign Language Interpreters, who facilitate communication between deaf and hard of hearing individuals, and the hearing population. Graduates will be able to communicate effectively in American Sign Language (ASL) and other forms of sign communication. Completion of the bachelor program will provide graduates with advanced skills leading to higher levels of state and national credentials.



Course Number	Course Title	Quarter Hours
<b>INTERPRETER TRAINING MAJOR - 133 HOURS</b>		
ITP 101	The Deaf Community	02
ITP 111	American Sign Language I	04
ITP 112	American Sign Language II	04
ITP 113	American Sign Language III	04
ITP 121	Expressive Manual Communication	02
ITP 131A	Fingerspelling I	02
ITP 132A	Fingerspelling II	02
ITP 141A	Sign to Voice I	04
ITP 201	Voice to Sign I	04
ITP 202	Voice to Sign II	04
ITP 214	American Sign Language IV	04
ITP 221	Introduction to the Interpreting Profession	04
ITP 231	Linguistic Principles	04
ITP 242A	Sign to Voice II	04
ITP 243A	Sign to Voice III	04
ITP 251A	Transliterating I	04
ITP 261A	Deaf Culture and History	04
ITP 271	Signing Internship I	04
ITP 272	Signing Internship II	04
ITP 291	Professional Interpreter Seminar I	04
ITP 303	Voice to Sign III	04
ITP 315	American Sign Language V	04
ITP 331	Language Semantics	04
ITP 332	ASL Discourse	04
ITP 333	Classifiers and Depictions	04
ITP 352	Transliterating II	04
ITP 373	Signing Internship III	04
ITP 381	The Interpreting Process	04
ITP 401	Deaf Literature and Arts	04
ITP 453	Transliterating III	04

ITP	474	Signing Internship IV	04
ITP	481	Educational Interpreting	04
ITP	482	Interpreting in Specialized Settings	04
ITP	483	Deaf and Blind Interpreting	04
ITP	491	Professional Interpreting Seminar II	04
WRK	291B	Professional Career Strategies	01

**GENERAL EDUCATION REQUIREMENTS - 77 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
ENG	211A	Structures of English	05
ENG	231	Language and Culture	04
HUM	401A	Philosophy of Ethics	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	121	Introduction to Windows	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
PSY	101	Human Relations	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
SPK	211	Group Dynamics	04
WRI	115	Workplace Communication	04

**QUARTER HOURS REQUIRED FOR GRADUATION 210**

The following minors are available with this program:

- CRIMINAL JUSTICE MINOR
- EARLY CHILDHOOD EDUCATION MINOR

**PUBLIC SAFETY****Bachelor of Science in Public Safety**

This program prepares students for administrative and/or leadership roles employment opportunities in the public safety sector, which includes firefighting, Emergency Medical Services, and Criminal Justice. Students graduating will have developed advanced knowledge and skills needed as a public safety officer. This degree also prepares students in basic fire training, and successful completion leads to certification by the Michigan Firefighting Training Council for Fire Fighter I and II and Hazardous Materials-Operations Level. Individuals who have completed their State of Michigan Fire Fighter I and II Certification and Medical First Responder will be granted credit for FIRE 101, FIRE 102, and MFR 101. The Cadillac campus is offering either the Fire Track (Fire I, Fire II, and Medical First Responder) or EMT track (Basic EMT I and Basic EMT II). Successful completion of Basic EMT I and Basic EMT II will make candidates eligible to apply for the National Registry of EMTs' written exam which is necessary for licensure in the state of Michigan. Individuals who possess their basic EMT license will be granted credit for EMS 101 and EMS 102.





## HUMAN SERVICES PROGRAMS - BACHELOR DEGREE AND ELECTIVES

Course Number	Course Title	Quarter Hours
<b>PUBLIC SAFETY MAJOR - 120 HOURS</b>		
CRJ 101	Introduction to Criminal Justice	04
CRJ 111	9-1-1 Telecommunications I	04
CRJ 211	Interpersonal Communication and Conflict Management	04
CRJ 221	Interviewing, Investigations, and Report Writing	04
CRJ 231	Principles of Policing I	04
CRJ 232	Principles of Policing II	04
CRJ 281A	Criminal Justice Work Experience I	04
CRJ 311	Ethical Issues in Criminal Justice	04
CRJ 321	Criminal Law	04
CRJ 341	Introduction to Forensic Science	04
CRJ 351	Evidence Collection and Procedures	04
CRJ 371	Criminal Courts	04
CRJ 421	Evidence-Based Practices	04
CRJ 431	Terrorism and Homeland Security	04
CRJ 441	Organizational Leadership in Criminal Justice	04
CRJ 481A	Criminal Justice Work Experience II	04
FIRE 101	Fire Academy (Part I)	10
FIRE 102	Fire Academy (Part II)	14
MFR 101	Medical First Responder	03
PSY 311	Abnormal Psychology	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CRJ 112	9-1-1 Telecommunications II	04
FIRE 121	Principles of Emergency Services	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CRJ 141	Criminology	04
FIRE 131	Fire Prevention	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CRJ 171	Defensive Tactics	04
FIRE 141	Fire Protection	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CRJ 301	Juvenile Justice Concepts	04
FIRE 151	Building Construction for Fire Protection	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CRJ 331	Cybercrime Investigations	04
FIRE 211	Principles of Fire and Emergency Services, Safety and Survival	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CRJ 361	Organized Crime and Youth Gangs	04
FIRE 221	Fire Behavior and Combustion	04
<b>GENERAL EDUCATION REQUIREMENTS - 64 HOURS</b>		
ELECT 111A	Scientific Inquiry Elective	04
ELECT 131A	Global and Cultural Perspectives Elective	04
ELECT 131B	Global and Cultural Perspectives Elective	04
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ELECT 161C	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 109	College Mathematics II	04
SOC 301	Social Problems	04
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
WRI 301A	Report Writing	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
SPK 211	Group Dynamics	04
SPK 401	Presentational Speaking	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>184</b>

The following minors are available with this program:

- **ADULT INSTRUCTOR AND TRAINING MINOR**
- **AMERICAN SIGN LANGUAGE MINOR**



## ELECTIVES

### GENERAL EDUCATION ELECTIVES

Course Number	Course Title	Quarter Hours
<b>COMMUNICATION ELECTIVES (Associate Degree)</b>		
<b>ELECT 120A</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04

### COMMUNICATION ELECTIVES (Bachelor Degree)

<b>ELECT 121A</b>	<b>Communication Elective</b>	
<b>ELECT 121B</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04
WRI 301A	Report Writing	04

### COMPUTER LITERACY ELECTIVES

<b>ELECT 161A</b>	<b>Computer Literacy Elective</b>	
<b>ELECT 161B</b>	<b>Computer Literacy Elective</b>	
<b>ELECT 161C</b>	<b>Computer Literacy Elective</b>	
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 121	Introduction to Windows	02
INF 141A	Microsoft PowerPoint	02

### GLOBAL AND CULTURAL PERSPECTIVES ELECTIVES (Bachelor Degree)

<b>ELECT 131A</b>	<b>Global and Cultural Perspectives Elective</b>	
<b>ELECT 131B</b>	<b>Global and Cultural Perspectives Elective</b>	
ECN 301	International Economics	04
GEO 101B	World Geography I	04
GEO 102B	World Geography II	04
HIS 301	Women's Studies	04
HIS 351	World History I	04
HIS 352	World History II	04
HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
HUM 101B	Art and Architecture I (Antiquity to Renaissance)	04
HUM 102B	Art and Architecture II (Baroque to Modern)	04
HUM 353	Art Appreciation	02
HUM 357	Music Appreciation	02
ITP 111	American Sign Language I	04
ITP 112	American Sign Language II	04
POL 401	International Relations	04
SOC 341	Global Perspectives	04
SPN 101	Spanish I	04
SPN 102	Spanish II	04
SPN 103	Spanish III	04



**PERSONAL AND SOCIAL ENVIRONMENTS ELECTIVES** (Bachelor Degree)

<b>ELECT</b>	<b>141A</b>	<b>Personal and Social Environments Elective</b>	
<b>ELECT</b>	<b>141B</b>	<b>Personal and Social Environments Elective</b>	
ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
POL	201A	American Political Systems	04
PSY	211	Psychology of Death and Dying	04
PSY	221	Developmental Psychology	04
PSY	231	Organizational Psychology	04
PSY	335	Human Sexuality	04
PSY	351	Adolescent Psychology	04
PSY	401	Social Psychology	04
SOC	201	Sociology	04
SOC	301	Social Problems	04

**SCIENTIFIC INQUIRY ELECTIVES** (Bachelor Degree)

<b>ELECT</b>	<b>111A</b>	<b>Scientific Inquiry Elective</b>	
SCI	101C	Human Anatomy and Physiology I	05
SCI	111	Biology	05
SCI	215	Integrated Physics	04
SCI	220A	Microbiology	05
SCI	246	Chemistry I	04
SCI	251	General Physics I	04
SCI	321	Principles of Astronomy	04
SCI	451	Environmental Science	04

**For more information or to see program videos, please visit [baker.edu](http://baker.edu).**





**Baker College Online is a recognized leader in career-based online learning, distinguished for its quality, value, and commitment to excellence in online instruction, student services, and ultimately your success. Our online undergraduate programs are purposefully designed to meet the needs of people whose lives and schedules aren't suited to the traditional on-campus college experience. Programs available 100% online, with flexible scheduling, and individualized pacing allow you to conveniently fit your studies into even the busiest schedule.**

College Success Online (COL 112) is required for all first-time college students enrolled in a certificate or degree program online. This course informs students of campus services; college technology; policies and procedures; as well as addresses learning and study strategies.

A new student may choose an "Undeclared but Degree Seeking" program. A student also may add a limited number of "Student Elected Classes" to his/her program with the approval of an Academic Advisor. Information about both of these options, including course and credit hour limitations, can be obtained in the Academic Office.

Information regarding double majors and/or minors is located on page 241. Contact your campus academic staff to discuss requirements.

Students may be required to pass a health screening and a criminal background check prior to particular courses, admittance into programs, or for their clinical externship.

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

Baker College is one of the most successful providers of online education in the United States. Baker Online offers certificates as well as multiple associate and bachelor degree programs via the Internet. Students can supplement their campus-based program with online courses or complete their entire degree online.



## ONLINE UNDERGRADUATE PROGRAMS

### ASSOCIATE DEGREES

#### Associate of Applied Science

Computer Programming.....	PG. 157
Information Technology.....	PG. 158
Web Development .....	PG. 160

#### Associate of Business

* Accounting.....	PG. 156
Business Administration .....	PG. 156
* General Business .....	PG. 157
* Human Resource Management.....	PG. 158
* Management.....	PG. 159
* Marketing.....	PG. 159

### BACHELOR DEGREES

#### \* Bachelor of Business Administration

* Accounting.....	PG. 160
* Business Administration - Accelerated.....	PG. 161
* Finance .....	PG. 163
* Human Resource Management.....	PG. 165
* Management.....	PG. 169
* Marketing.....	PG. 171
Supply Chain Management .....	PG. 175

<b>Bachelor of General Studies.....</b>	<b>PG. 165</b>
---	----------------

#### Bachelor of Science

Computer Science .....	PG. 161
Criminal Justice .....	PG. 162
Database Technology .....	PG. 163
Game Software Development.....	PG. 164
Health Services Administration.....	PG. 165
Information Systems .....	PG. 167
Information Technology and Security .....	PG. 168
Mobile Application Software Engineering .....	PG. 171
Nursing - Post-Licensure .....	PG. 172
Project Management and Planning.....	PG. 173
Psychology .....	PG. 174
Web Development .....	PG. 176

### POSTBACCALAUREATE CERTIFICATE

Project Management and Planning.....	PG. 177
--------------------------------------	---------

### ELECTIVES

Computer Information Systems Electives .....	PG. 178
General Education Electives .....	PG. 178



International Assembly for Collegiate Business Education • IACBE.org

Baker College has received specialized accreditation for its business programs through the International Assembly for Collegiate Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas. Web Address: [www.iacbe.org](http://www.iacbe.org). The business programs designated with an asterisk (\*) are accredited by the IACBE.





## TECHNICAL REQUIREMENTS

### Online students must have the following hardware and software:

Additional equipment and software may be required for some courses.

#### PC REQUIREMENTS

- Intel Core i3 Processor or higher
- Windows 7 or higher
- 4 GB of RAM required
- 80 GB hard drive
- Microsoft Office 2010  
(Higher version may be required in some classes)
- IE 9 and/or a recent/updated release of Firefox or Chrome
- Java 7
- Virus protection software
- Webcam recommended and may be required in some courses

#### MAC REQUIREMENTS

- OS X 10.7.3 or later
- 4 GB of RAM
- 80 GB hard drive
- Microsoft Office - Mac 2011  
(Higher version may be required in some classes)
- Safari 6.1.5 and/or a recent/updated release of Firefox or Chrome
- Java 7
- Virus protection software
- Webcam recommended and may be required in some courses

Online courses at Baker College are delivered utilizing a secure learning management system. Students are required to comply with the Institution's policy regarding: (1) the "Policy on the Proper Use of Information Resources, Information Technology, and Networks at Baker College" and (2) "Information Systems Division: Conditions of use Policy." Those abusing their privileges or violating these policies may be removed from the system and denied further access.

#### FALL 2015

SEPT. 24 - DEC. 16

**1st Session:**  
Sept. 24 - Nov. 4

**2nd Session:**  
Nov. 5 - Dec. 16

#### WINTER 2016

JAN. 7 - MAR. 30

**1st Session:**  
Jan. 7 - Feb. 17

**2nd Session:**  
Feb. 18 - Mar. 30

#### SPRING 2016

MAR. 31 - JUNE 22

**1st Session:**  
Mar. 31 - May 11

**2nd Session:**  
May 12 - June 22

#### SUMMER 2016

JUNE 23 - SEPT. 14

**1st Session:**  
June 23 - Aug. 3

**2nd Session:**  
Aug. 4 - Sept. 14

#### FALL 2016

SEPT. 22 - Dec. 14

**1st Session:**  
Sept. 22 - Nov. 2

**2nd Session:**  
Nov. 3 - Dec. 14

## 2015-16 ACADEMIC CALENDAR

# 12 REASONS

## TO CHOOSE BAKER ONLINE

### MILITARY FRIENDLY SCHOOL



Baker College strongly believes in the Principles of Excellence as outlined in Executive Order 13607 by being a participant of the Degree Network System (DNS), DANTES, GoArmyEd, and CCAF's AU-ABC Program. The college is a proud signer of the DOD MOU and is eligible to receive Federal military and Veteran education benefits.



#### ACCREDITED

Baker College Online is accredited by the Higher Learning Commission, which assures you that credits earned are recognized and meet high standards of educational quality.



#### RATED A "BEST BUY"

GetEducated.com ranks Baker Online® as one of their 30 "Best Buys" nationwide.



#### FOUNDED IN 1911

Baker College was one of the first colleges to offer online classes.



#### ONLINE ORIENTATION COURSE

This course teaches students the online environment before they begin their actual classes.



#### EMPLOYEE ADVISORY BOARDS

Proven on-campus curriculum is optimized for online delivery by our Instructional Design Department to ensure an optimal distance learning experience.



#### AFFORDABLE

Tuition is affordable because we are a not-for-profit institution focused on serving students, not shareholders. The Jewel Education Fund invests in our students via scholarships, grants, etc.



#### OVER 40 CAREER PROGRAMS

Associate, bachelor, master, and doctoral degree programs are available 100% online with no on-campus classes required.



#### CONVENIENT CLASSES

Baker's online programs are available 24/7/365 from virtually anywhere in the world.



#### LARGEST INDEPENDENT COLLEGE IN MICHIGAN

Baker College has more than 28,000 students. Over 20,000 students attend online worldwide.



#### PERSONAL GUIDANCE

Online students have a personal academic advisor to answer questions, provide guidance, and help them succeed.



#### LIFETIME EMPLOYMENT ASSISTANCE

All Baker Online graduates receive Lifetime Employment Assistance—free and forever—to help them establish and sustain successful careers.



#### REAL-WORLD PROGRAMS

As America's leading career college, Baker programs are designed to meet the needs of today's job market, giving our graduates an employment advantage.

## ASSOCIATE DEGREE PROGRAMS

### ACCOUNTING

#### Associate of Business Degree

Accounting is a vital function for any business, regardless of size or complexity. This program prepares students for entry-level positions in the accounting field as well as for advanced study in the discipline. Students completing this degree will develop the skills necessary to record, present, and analyze financial data and evaluate the operational performance of a variety of entities.



Course Number	Course Title	Quarter Hours
<b>ACCOUNTING MAJOR - 31 HOURS</b>		
ACC 231	Computerized Accounting	04
ACC 241	Accounting Concepts	04
ACC 251	Payroll Accounting	04
ACC 301	Intermediate Accounting I	04
ACC 341B	Individual Taxation	04
ELECT 100A	Elective	04
INF 113	Electronic Spreadsheets	02
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
WRK 218	Work Experience Project	04
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 32 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 114A	Introduction to Database Applications	02
INF 141A	Microsoft PowerPoint	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>95</b>

### BUSINESS ADMINISTRATION

#### Associate of Business Degree

The Business Administration Associate Degree program provides students a fundamental knowledge of business functions and processes and an understanding of business organizations in today's global economy. Students will discover the functional areas of business including accounting, finance, management, and marketing. Students will also explore concepts in entrepreneurship, business law, and economics. This program prepares students for a successful entry-level career in the business environment.



Course Number	Course Title	Quarter Hours
<b>BUSINESS ADMINISTRATION MAJOR - 29 HOURS</b>		
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04
<b>SELECT 24 CREDITS FROM THE FOLLOWING:</b>		
BUS 211	Business Analytics	04
ELECT 100A	Transfer/Work/Military Credits	04
ELECT 100B	Transfer/Work/Military Credits	04
ELECT 100C	Transfer/Work/Military Credits	04
EN 201	Introduction to Entrepreneurship	04
MGT 111	Professional Management Behavior	04
MGT 212A	Staffing and Performance Management	04
MGT 222	Management Seminar	04
PPM 301	Project Management	04
<b>BUSINESS REQUIREMENTS - 32 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 113	Electronic Spreadsheets	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>





## COMPUTER PROGRAMMING

### Associate of Applied Science Degree

Students with skills in computer science are in high demand to design and develop business information systems. Students in this program acquire skills in programming, systems analysis, and design. Instruction in multiple programming languages provides students with diverse, flexible, and employable skill sets in a variety of businesses and industries in positions such as programmers, developers, and systems analysts.



Course Number	Course Title	Quarter Hours
<b>COMPUTER PROGRAMMING MAJOR - 67 HOURS</b>		
CIS 114	Database Fundamentals	02
CIS 251	Systems Development Methods	04
CIS 303A	Computer Architecture	04
CIS 310	Visual BASIC	04
CIS 331	Database Management Using SQL	04
CS 101	Principles of Computer Science	04
CS 111	Introduction to Programming	04
CS 217A	C++ Programming	04
CS 218A	Object Oriented Programming With C++	04
CS 231	Microprocessor Electronics	04
ELECT 105A	Computer Information Systems Elective	04
MTH 124	Trigonometry	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CIS 132A	RPG IV	04
CS 241	Java Programming	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CIS 233A	Advanced RPG IV	04
CS 242	Advanced Java Programming	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CIS 106B	Computer Operating Systems and Maintenance I	04
CIS 119A	iSeries CL and File Design	04
CS 201	Net-centric Computing	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CIS 311	Advanced Visual BASIC	04
CS 243	Applied Java Techniques	04
GSD 311	C# Programming	04
MTH 340	Discrete Mathematics	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
WRK 218	Work Experience Project	04
WRKTC 201	Work Experience	04
<b>GENERAL EDUCATION REQUIREMENTS - 30 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 121	Introduction to Windows	02
MTH 111	Introductory Algebra	04
MTH 112A	College Algebra	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>97</b>

## GENERAL BUSINESS

### Associate of Business Degree

This program offers students a variety of business fundamentals and knowledge upon which to build a career in business. Students are encouraged to explore the functional areas of business. The flexibility of this program provides an opportunity to survey the field of business and is likely to create an interest in a specific area.



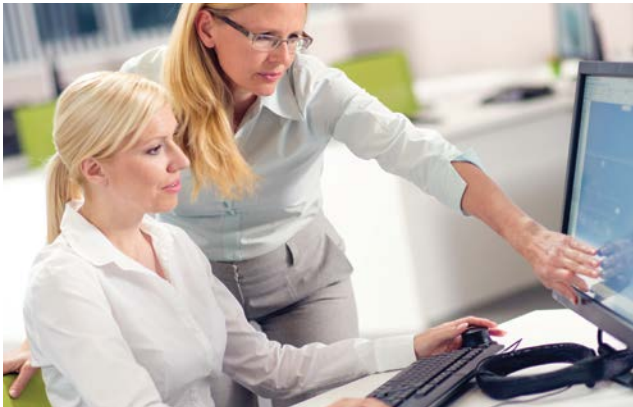
Course Number	Course Title	Quarter Hours
<b>GENERAL BUSINESS MAJOR - 29 HOURS</b>		
ELECT 100A	Elective	04
ELECT 100B	Elective	04
ELECT 100C	Elective	04
ELECT 100D	Elective	04
ELECT 100E	Elective	04
ELECT 100F	Elective	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
WRK 218	Work Experience Project	04
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 32 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 113	Electronic Spreadsheets	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>

## HUMAN RESOURCE MANAGEMENT

### Associate of Business Degree

This program is an excellent career choice for students who want to perform an identifiable set of activities that affect and influence the employees who work in an organization.

These activities include recruitment, selection, compensation, and evaluation.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### HUMAN RESOURCE MANAGEMENT MAJOR - 29 HOURS

HRM	215A	Staffing Human Resources	04
HRM	225A	Training and Developing Human Resources	04
HRM	291	Human Resource Seminar	04
HRM	300	Compensating Human Resources	04
HRM	315A	Performance Management of Human Resources	04
MGT	212A	Staffing and Performance Management	04
WRK	291B	Professional Career Strategies	01

#### SELECT 1 COURSE FROM THE FOLLOWING:

WRK	218	Work Experience Project	04
WRKBS	201	Work Experience	04

#### BUSINESS REQUIREMENTS - 32 HOURS

ACC	121	Fundamentals of Accounting I	04
ACC	122	Fundamentals of Accounting II	04
ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
FIN	101	Personal Finance	04
LAW	211	Business Law	04
MGT	101	Introduction to Business	04
MKT	111B	Principles of Marketing	04

#### GENERAL EDUCATION REQUIREMENTS - 32 HOURS

ENG	101	Composition I	04
ENG	102	Composition II	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	114A	Introduction to Database Applications	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

93

Students interested in completing the 5 Year MBA Program must apply to the Center for Graduate Studies for acceptance into the program. Students considering this program in should contact their academic advisor to review program requirements and acceptance criteria. A minimum 3.5 GPA is required.

## INFORMATION TECHNOLOGY

### Associate of Applied Science Degree

Information Technology professionals install, configure, secure, and support an organization's computing systems including: PCs and other devices, Wide Area Networks (WANs), Local Area Networks (LANs), and Internet systems. They also monitor business and company networks and perform necessary repairs and maintenance to support network availability for all system users. The Baker College Information Technology Associate Degree program provides a solid foundation for students to pursue this growing occupation while allowing the flexibility to choose an area of concentration. Foundational courses align with industry certifications including: CompTIA A+, Network+, and Security+.



#### IT SUPPORT SPECIALIST MAJOR

This major focuses on the segment of the IT market that provides service and support for software applications configuration, training of users, maintenance of information, and communication processes between a company's back-end network administrators and middle to front-line employees and customers.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### INFORMATION TECHNOLOGY REQUIREMENTS - 39 HOURS

CIS	106B	Computer Operating Systems and Maintenance I	04
CIS	114	Database Fundamentals	02
ITS	211	Introduction to Network Security	04
LUX	205	Introduction to Linux/Unix	04
MNP	201	Microsoft Windows Server Administration I	04
NET	101	Networking Essentials I	04
NET	102	Networking Essentials II	04
WRK	291B	Professional Career Strategies	01

#### SELECT 1 COURSE FROM THE FOLLOWING:

WRK	218	Work Experience Project	04
WRKTC	201	Work Experience	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

CSC	121A	Network Fundamentals	04
NET	222	Introduction to Routers and Routing	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

MNP	171A	Windows 7 Configuration	04
MNP	181	Windows 8 Configuration	04

#### GENERAL EDUCATION REQUIREMENTS - 24 HOURS

ENG	101	Composition I	04
ENG	102	Composition II	04
MTH	111	Introductory Algebra	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

#### IT SUPPORT SPECIALIST MAJOR - 38 HOURS

CIS	107B	Computer Operating Systems and Maintenance II	04
CIS	211	Information Technology Customer Service and Support	04
CIS	302A	Intermediate Database Management	04



CIS	310	Visual BASIC	04
CIS	313A	Intermediate Spreadsheets	04
CIS	314	Advanced Software Solutions	04
CIS	331	Database Management Using SQL	04
CS	111	Introduction to Programming	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	114A	Introduction to Database Applications	02
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>			<b>101</b>

## MANAGEMENT

### Associate of Business Degree

At the associate degree level, the business administration curricula are designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy. Coursework includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of cases, communication, team building, and decision making.

Through these skills students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.



Course Number	Course Title	Quarter Hours
<b>MANAGEMENT MAJOR - 29 HOURS</b>		
BUS 211	Business Analytics	04
MGT 111	Professional Management Behavior	04
MGT 141	Principles of Management	04
MGT 212A	Staffing and Performance Management	04
MGT 221	Applied Business Analytics	04
MGT 222	Management Seminar	04
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 32 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04

### SELECT 1 COURSE FROM THE FOLLOWING:

PSY 101	Human Relations	04
PSY 111	General Psychology	04

### QUARTER HOURS REQUIRED FOR GRADUATION

**93**

Students interested in completing the 5 Year MBA Program must apply to the Center for Graduate Studies for acceptance into the program. Students considering this program in should contact their Academic Advisor to review program requirements and acceptance criteria. A minimum 3.5 GPA is required.

## MARKETING

### Associate of Business Degree

The study of marketing encompasses a wide range of activities, such as advertising, sales, retailing, wholesaling, warehousing, packaging, and distribution. This program prepares students for a variety of positions in areas such as sales, wholesale distribution, customer service, retailing, advertising, buying, and many others.



Course Number	Course Title	Quarter Hours
<b>MARKETING MAJOR - 29 HOURS</b>		
BUS 211	Business Analytics	04
ELECT 100A	Elective	04
ELECT 100B	Elective	04
MKT 131	Personal Selling	04
MKT 241	Advertising/Digital Marketing I	04
MKT 261	Marketing Planning	04
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 32 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MKT 111B	Principles of Marketing	04
<b>GENERAL EDUCATION REQUIREMENTS - 32 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 113	Electronic Spreadsheets	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 2 COURSES FROM THE FOLLOWING:</b>		
INF 112	Word Processing	02
INF 114A	Introduction to Database Applications	02
INF 121	Introduction to Windows	02
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>93</b>



## WEB DEVELOPMENT

### Associate of Applied Science Degree

The Internet explosion has led to the creation of a new career path: the Web Developer. Web designers are the people responsible for developing and maintaining World Wide Web (WWW) sites for public and private organizations. This program includes courses in marketing and computer information systems as well as the skills needed to develop and maintain Web pages.



Course Number	Course Title	Quarter Hours
<b>WEB DEVELOPMENT MAJOR - 71 HOURS</b>		
CIS 114	Database Fundamentals	02
CIS 310	Visual BASIC	04
CIS 331	Database Management Using SQL	04
CS 111	Introduction to Programming	04
DMD 131	Introduction to Graphic Imaging	04
ITS 111	Introduction to Information System Security	04
LUX 205	Introduction to Linux/Unix	04
WEB 111B	Introduction to HTML	04
WEB 121A	World Wide Web Design	04
WEB 131	Web Development I	04
WEB 132	Web Development II	04
WEB 201	Web Multi-Media	04
WEB 211	Web Scripting	04
WEB 221	Interactive Web Design	04
WEB 222	Internet Commerce	04
WEB 231	Server-side Programming	04
WEB 241	ActionScript Programming	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
WRK 218	Work Experience Project	04
WRKTC 201	Work Experience	04
<b>GENERAL EDUCATION REQUIREMENTS - 26 HOURS</b>		
ENG 101	Composition I	04
ENG 102	Composition II	04
INF 161	Technology and Society	02
MTH 111	Introductory Algebra	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>97</b>

## BACHELOR DEGREE PROGRAMS

### ACCOUNTING

#### Bachelor of Business Administration

This program emphasizes practical application as well as the theoretical aspects of the discipline of accounting to prepare students for professional careers in public, managerial, and governmental accounting and/or advanced study within the discipline. Students will gain an understanding of the social, ethical, economic, legal, and regulatory environment in which businesses operate and develop the problem-solving, decision-making, communication, and leadership skills necessary to compete in a dynamic global marketplace. Students completing this degree are eligible to sit for the Uniform Certified Public Accountant Examination in Michigan (see note below).

Beginning July 1, 2003, students pursuing a CPA licensure in the state of Michigan will be required to have obtained 225 quarter hours of credit prior to applying for a CPA license. While the BBA Accounting Program satisfies the requirements to sit for the Uniform Certified Public Accountant Examination, additional credit is needed for licensure. Individuals are therefore advised to contact the Michigan State Board of Accountancy Licensing Bureau for further information. Students wishing to become eligible to sit for the examination in other states are recommended to check with the National Association of State Boards of Accountancy ([www.nasba.org](http://www.nasba.org)), which services as a forum for the 54 U.S. boards of accountancy, for the state in which they intend to practice.



Course Number	Course Title	Quarter Hours
<b>ACCOUNTING MAJOR - 63 HOURS</b>		
ACC 241	Accounting Concepts	04
ACC 301	Intermediate Accounting I	04
ACC 302	Intermediate Accounting II	04
ACC 303	Intermediate Accounting III	04
ACC 312B	Business Entities Taxation	04
ACC 331A	Cost Accounting	04
ACC 341B	Individual Taxation	04
ACC 416	Auditing, Systems, and Controls I	04
ACC 417	Auditing, Systems, and Controls II	04
ACC 431B	Governmental and Non-Profit Accounting	04
ACC 441	Advanced Accounting	04
ELECT 100A	Elective	04
INF 113	Electronic Spreadsheets	02
LAW 312	Advanced Business Law	04
MGT 431	Strategic Management	04
WRK 291B	Professional Career Strategies	01
WRK 495	Accounting Work Experience	04
<b>BUSINESS REQUIREMENTS - 48 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04



FIN	301A	Principles of Finance	04
LAW	211	Business Law	04
MGT	101	Introduction to Business	04
MGT	311	Organizational Change	04
MGT	321	Management Information Systems	04
MKT	111B	Principles of Marketing	04
MTH	401	Statistical Methods	04

#### GENERAL EDUCATION REQUIREMENTS - 72 HOURS

ELECT	111A	Scientific Inquiry Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	112	Word Processing	02
INF	114A	Introduction to Database Applications	02
INF	141A	Microsoft PowerPoint	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 183**

## BUSINESS ADMINISTRATION ACCELERATED PROGRAM

### Bachelor of Business Administration - Accelerated

Turn previous college credits and work experience into a bachelor degree—in just one to two years. Whether you've earned an associate degree or an assortment of college credits, Baker College can consolidate your transcripts—and turn work experience into credits—toward a Bachelor Degree in Business Administration.

This program is designed for the transfer student, military servicemember, or working professional and combines core coursework with experiential credit to provide a contemporary business degree for today's business environment. Elective credit requirement may be satisfied through portfolio, transfer credit, or additional coursework.

This program is designed to help you earn a bachelor degree as quickly and conveniently as possible. Transfer in up to 132 hours of credit in any combination of General Education, Electives, and Core Competencies. Classes are available at all twelve of our Michigan locations and can be completed on-campus, online, or a combination of both.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### APPROVED CREDIT - 132 HOURS

Elective	Transfer/Work/Military Credits	60
GenEd	Transfer/Work/Military Credits	72

#### REQUIRED CORE COMPETENCIES - 24 HOURS

ACC	100	Elective	04
ECON		Elective	04
FIN	100	Elective	04
LAW		Elective	04
MGT	100	Elective	04
MKT	100	Elective	04

#### MAJOR CORE - 24 HOURS

BUS	401	International Business	06
BUS	421	Marketing & Management	06
BUS	431	Strategic MGT	06
HRM	401R	Human Resources and Employment Law	06

**TOTAL CREDITS 180**

## COMPUTER SCIENCE

### Bachelor of Science

This program prepares students for a career in computer software development. Students will acquire skills in software development, Internet communications, and database administration, as well as foundational knowledge in the field of computer science.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### COMPUTER SCIENCE MAJOR - 131 HOURS

CIS	114	Database Fundamentals	02
CIS	251	Systems Development Methods	04
CIS	303A	Computer Architecture	04
CIS	310	Visual BASIC	04
CIS	311	Advanced Visual BASIC	04
CIS	331	Database Management Using SQL	04
CIS	403	Systems Development Project	04
CIS	404	Advanced Computer Architecture	04
CS	101	Principles of Computer Science	04
CS	111	Introduction to Programming	04
CS	201	Net-centric Computing	04
CS	217A	C++ Programming	04
CS	218A	Object Oriented Programming With C++	04
CS	231	Microprocessor Electronics	04
CS	321	Data Structures and Algorithms I	04
CS	322	Data Structures and Algorithms II	04
CS	341	Programming for Mobile Devices	04
CS	422A	Database Programming I	04
CS	451	Unit Testing and Interfaces	04
CS	481	Trends in Computer Science	04
EGR	111	Technical Communications for Engineering Sciences	04
ELECT	105A	Computer Information Systems Elective	04
ELECT	105B	Computer Information Systems Elective	04
ELECT	105C	Computer Information Systems Elective	04
GSD	311	C# Programming	04
MTH	124	Trigonometry	04
MTH	141A	Calculus I	04
MTH	142	Calculus II	04

MTH	143	Calculus III	04
MTH	261	Linear Algebra	04
MTH	340	Discrete Mathematics	04
MTH	401	Statistical Methods	04
WRK	291B	Professional Career Strategies	01

**SELECT 1 COURSE FROM THE FOLLOWING:**

WRK	218	Work Experience Project	04
WRKTC	201	Work Experience	04

**GENERAL EDUCATION REQUIREMENTS - 64 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	121B	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 195**

## CRIMINAL JUSTICE

### Bachelor of Science

This program prepares graduates with the skills, tools, and methods needed to work in the criminal justice profession. The program explores the philosophical underpinnings of crime and justice. Graduates will understand the interrelatedness of police, corrections, and the courts. Concepts of justice, duty, and societal issues will be examined along with various ethical issues related to criminal justice topics. Graduates will model ethical behavior and a commitment to service with the skills necessary to respond to complex and dynamic situations appropriately. Interpersonal communication and writing skills germane to the criminal justice profession are practiced throughout the program.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**CRIMINAL JUSTICE MAJOR - 118 HOURS**

CRJ	101	Introduction to Criminal Justice	04
CRJ	106	Introduction to Corrections	04
CRJ	111	9-1-1 Telecommunications I	04
CRJ	112	9-1-1 Telecommunications II	04
CRJ	121	Correctional Facilities	04
CRJ	131	Client Relations	04
CRJ	141	Criminology	04
CRJ	151	Legal Issues in Corrections	04
CRJ	211	Interpersonal Communication and Conflict Management	04

CRJ	221	Interviewing, Investigations, and Report Writing	04
CRJ	231	Principles of Policing I	04
CRJ	232	Principles of Policing II	04
CRJ	261A	Security Management	04
CRJ	281A	Criminal Justice Work Experience I	04
CRJ	301	Juvenile Justice Concepts	04
CRJ	311	Ethical Issues in Criminal Justice	04
CRJ	321	Criminal Law	04
CRJ	331	Cybercrime Investigations	04
CRJ	341	Introduction to Forensic Science	04
CRJ	351	Evidence Collection and Procedures	04
CRJ	361	Organized Crime and Youth Gangs	04
CRJ	371	Criminal Courts	04
CRJ	421	Evidence-Based Practices	04
CRJ	431	Terrorism and Homeland Security	04
CRJ	441	Organizational Leadership in Criminal Justice	04
CRJ	481A	Criminal Justice Work Experience II	04
HSC	102	BLS Provider Training and First Aid	01
HUS	201	Substance Abuse	04
PSY	311	Abnormal Psychology	04
WRK	291B	Professional Career Strategies	01

**SELECT 1 COURSE FROM THE FOLLOWING:**

CRJ	171	Defensive Tactics	04
CRJ	181	Community Corrections	04

**GENERAL EDUCATION REQUIREMENTS - 68 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	161A	Computer Literacy Elective	02
ELECT	161B	Computer Literacy Elective	02
ELECT	161C	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	201	Sociology	04
SOC	301	Social Problems	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 186**





## DATABASE TECHNOLOGY

### Bachelor of Science

This program prepares students for a career in database administration and programming. Students study database applications with a focus on database programming and administration concepts and tasks, using Oracle. In addition, students will acquire skills in software development, and Internet communications, as well as foundational knowledge in the field of computer science.



Course Number	Course Title	Quarter Hours
<b>DATABASE TECHNOLOGY MAJOR - 123 HOURS</b>		
CIS 114	Database Fundamentals	02
CIS 119A	iSeries CL and File Design	04
CIS 251	Systems Development Methods	04
CIS 303A	Computer Architecture	04
CIS 310	Visual BASIC	04
CIS 311	Advanced Visual BASIC	04
CIS 331	Database Management Using SQL	04
CIS 351	System Modeling and Design	04
CIS 403	Systems Development Project	04
CIS 404	Advanced Computer Architecture	04
CIS 421B	Database Administration I	04
CIS 422	Database Administration II	04
CS 101	Principles of Computer Science	04
CS 111	Introduction to Programming	04
CS 217A	C++ Programming	04
CS 218A	Object Oriented Programming With C++	04
CS 231	Microprocessor Electronics	04
CS 321	Data Structures and Algorithms I	04
CS 322	Data Structures and Algorithms II	04
CS 422A	Database Programming I	04
CS 423	Database Programming II	04
CS 465	Advanced Database Topics	04
ELECT 105A	Computer Information Systems Elective	04
ELECT 105B	Computer Information Systems Elective	04
MTH 101	Mathematics for Business	04
MTH 124	Trigonometry	04
MTH 340	Discrete Mathematics	04
MTH 401	Statistical Methods	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CIS 132A	RPG IV	04
CS 241	Java Programming	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CIS 233A	Advanced RPG IV	04
CS 242	Advanced Java Programming	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
WRK 218	Work Experience Project	04
WRKTC 201	Work Experience	04
<b>GENERAL EDUCATION REQUIREMENTS - 66 HOURS</b>		
ELECT 111A	Scientific Inquiry Elective	04
ELECT 121A	Communication Elective	04
ELECT 121B	Communication Elective	04
ELECT 131A	Global and Cultural Perspectives Elective	04
ELECT 131B	Global and Cultural Perspectives Elective	04
ELECT 141A	Personal and Social Environments Elective	04

ELECT 141B	Personal and Social Environments Elective	04
ELECT 161A	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
HUM 401A	Philosophy of Ethics	04
MTH 111	Introductory Algebra	04
MTH 112A	College Algebra	04
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

PSY 101	Human Relations	04
PSY 111	General Psychology	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

SPK 211	Group Dynamics	04
SPK 401A	Professional Speaking	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

189

## FINANCE

### Bachelor of Business Administration

This program emphasizes finance as the study of resource allocation, which includes financial markets, instruments, individuals, and institutions that manage money and assets. Students will gain an understanding of financial theory and practice from various perspectives including banking, financial services, financial planning, and corporate finance. Students will gain an understanding of the social, ethical, economic, legal, and regulatory environment in which businesses operate and develop the problem-solving, decision-making, communication, and leadership skills necessary to compete in a dynamic global marketplace. Graduates from this program can enter the fields of corporate finance, investment banking, financial markets and services, and insurance.



Course Number	Course Title	Quarter Hours
<b>FINANCE MAJOR - 69 HOURS</b>		
ACC 231	Computerized Accounting	04
ACC 241	Accounting Concepts	04
ACC 341B	Individual Taxation	04
CIS 313A	Intermediate Spreadsheets	04
FIN 315	Risk Management	04
FIN 325	Banking and Financial Institutions	04
FIN 341	Credit Analysis and Commercial Lending	04
FIN 355	Financial Markets	04
FIN 401	Personal Financial Planning	04
FIN 451A	International Financial Management	04
FIN 461	Investment Management	04
FIN 471	Financial Statement Analysis	04
FIN 491	Finance Seminar	04
INF 113	Electronic Spreadsheets	02
INF 141A	Microsoft PowerPoint	02
MGT 114	Customer Service	04
MKT 201	Sales	04
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04

**BUSINESS REQUIREMENTS - 40 HOURS**

ACC	121	Fundamentals of Accounting I	04
ACC	122	Fundamentals of Accounting II	04
ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
FIN	101	Personal Finance	04
FIN	301A	Principles of Finance	04
LAW	211	Business Law	04
MGT	101	Introduction to Business	04
MKT	111B	Principles of Marketing	04
MTH	401	Statistical Methods	04

**GENERAL EDUCATION REQUIREMENTS - 72 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	112	Word Processing	02
INF	114A	Introduction to Database Applications	02
INF	131	Internet and the World Wide Web	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 181**

**GAME SOFTWARE DEVELOPMENT**

**Bachelor of Science**

This program is designed to immerse students in the core knowledge of software engineering emphasizing animation and gaming development. This program will focus on leading programming technologies and will prepare students for entry-level positions in the gaming industry. A comprehensive approach will carry students from modeling through animation and game programming, to the senior design project.



**Course Number Course Title Quarter Hours**

**GAME SOFTWARE DEVELOPMENT MAJOR - 111 HOURS**

CIS	114	Database Fundamentals	02
CIS	251	Systems Development Methods	04
CIS	310	Visual BASIC	04
CIS	311	Advanced Visual BASIC	04
CIS	331	Database Management Using SQL	04
CS	101	Principles of Computer Science	04
CS	111	Introduction to Programming	04
CS	217A	C++ Programming	04
CS	218A	Object Oriented Programming With C++	04
CS	321	Data Structures and Algorithms I	04
CS	322	Data Structures and Algorithms II	04
GSD	301	Game Scripting	04
GSD	311	C# Programming	04
GSD	321	Game Console Design	04
GSD	331	Application Security Practices	04
GSD	341	Flash Game Development	04
GSD	401	3-D Character Design	04
GSD	411	3-D Character Animation	04
GSD	421	Artificial Intelligence	04
GSD	431	Game Programming I	04
GSD	432	Game Programming II	04
GSD	499	Senior Design Project in Game Software Development	04
MTH	124	Trigonometry	04
MTH	340	Discrete Mathematics	04
PPM	301	Project Management	04
WEB	111B	Introduction to HTML	04
WEB	201	Web Multi-Media	04
WRK	291B	Professional Career Strategies	01
WRK	301	Internship	04

**GENERAL EDUCATION REQUIREMENTS - 70 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	121B	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ELECT	161A	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	121	Introduction to Windows	02
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 181**



## GENERAL STUDIES

### Bachelor of General Studies

The General Studies program is an online program designed for the working professional who has significant work experience, previous college credit, and desires to earn a bachelor degree. An Academic Advisor and student work together to combine various disciplines resulting in an individualized plan of study based on past education, career goals, intellectual interests, or preparation for graduate education.



ELECTIVE CREDIT		60
Concentration I		24
Concentration II		24

Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### GENERAL EDUCATION REQUIREMENTS - 74 HOURS

COL 491	General Studies Capstone Portfolio	02
ELECT 111A	Scientific Inquiry Elective	04
ELECT 121A	Communication Elective	04
ELECT 121B	Communication Elective	04
ELECT 131A	Global and Cultural Perspectives Elective	04
ELECT 131B	Global and Cultural Perspectives Elective	04
ELECT 141A	Personal and Social Environments Elective	04
ELECT 141B	Personal and Social Environments Elective	04
ELECT 161A	Computer Literacy Elective	02
ELECT 161B	Computer Literacy Elective	02
ELECT 161C	Computer Literacy Elective	02
ENG 101	Composition I	04
ENG 102	Composition II	04
HUM 401A	Philosophy of Ethics	04
INF 161	Technology and Society	02
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

MTH 108	College Mathematics I: Reasoning and Application	04
MTH 111	Introductory Algebra	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

MTH 109	College Mathematics II	04
MTH 112A	College Algebra	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

PSY 101	Human Relations	04
PSY 111	General Psychology	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

SPK 211	Group Dynamics	04
SPK 401A	Professional Speaking	04

#### QUARTER HOURS REQUIRED FOR GRADUATION 182

Of the 108 hours required in the elective credit and concentration areas, a minimum of 32 hours of 300 and 400 level courses are required.

## HEALTH SERVICES ADMINISTRATION

### Bachelor of Science

This program will prepare individuals to develop administrative skills necessary to work effectively in a variety of healthcare settings. The combination of general education and health services courses are designed to cultivate critical thinking skills necessary for managing. This program prepares students to plan, direct, coordinate, budget, and assess activities in a variety of healthcare settings.



Approved Credit (64 Gen Ed & 52 Elective Credits) 116

Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### REQUIRED CORE COMPETENCIES - 32 HOURS

ACC 100	Accounting Elective	04
BUS 211	Business Analytics	04
ECN 100	Economics Elective	04
FIN 100	Finance Elective	04
HSC 104	Introduction to Disease	04
MKT 100	Marketing Elective	04
SCI 100F	Structure and Function of the Human Body	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

HRM 100	Human Resource Elective	04
MGT 100	Management Elective	04

#### HEALTH SERVICES ADMINISTRATION MAJOR - 32 HOURS

HSC 111	Introduction to Healthcare	04
HSC 312	Health Law and Regulations	04
HSC 315	Planning and Evaluation of Health Services	04
HSC 401	Healthcare Administration	04
HSC 402A	Ethics for Health Professionals	04
HSC 403	Health System Finance	04
HSC 411	Seminar in Health Issues	04
HSC 441	Health Services Administration Externship	04

#### QUARTER HOURS REQUIRED FOR GRADUATION 180

## HUMAN RESOURCE MANAGEMENT

### Bachelor of Business Administration

This program offers an opportunity for students to acquire a career-focused Human Resource Management undergraduate degree with an integrative approach to understanding various human resource management functions. This program provides an intensive strategic understanding of workforce planning and development, compensation and benefits; global human resource management; and employee health and safety. Students interested in completing the 5 Year MBA Program must apply to the Center of 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.







Course Number	Course Title	Quarter Hours
<b>HUMAN RESOURCE MAJOR - 41 HOURS</b>		
HRM 215A	Staffing Human Resources	04
HRM 225A	Training and Developing Human Resources	04
HRM 291	Human Resource Seminar	04
HRM 300	Compensating Human Resources	04
HRM 315A	Performance Management of Human Resources	04
HRM 401	Human Resources and Employment Law	04
HRM 435B	International Human Resource Management	04
HRM 491	Strategic Human Resource Management	04
MGT 212A	Staffing and Performance Management	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
WRK 218	Work Experience Project	04
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 48 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
FIN 301A	Principles of Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MGT 311	Organizational Change	04
MGT 321	Management Information Systems	04
MKT 111B	Principles of Marketing	04
MTH 401	Statistical Methods	04
<b>GENERAL EDUCATION REQUIREMENTS - 72 HOURS</b>		
ELECT 111A	Scientific Inquiry Elective	04
ELECT 121A	Communication Elective	04
ELECT 131A	Global and Cultural Perspectives Elective	04
ELECT 131B	Global and Cultural Perspectives Elective	04
ELECT 141A	Personal and Social Environments Elective	04
ELECT 141B	Personal and Social Environments Elective	04
ENG 101	Composition I	04
ENG 102	Composition II	04
HUM 401A	Philosophy of Ethics	04
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 161	Technology and Society	02
MTH 108	College Mathematics I: Reasoning and Application	04
MTH 109	College Mathematics II	04
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
SPK 211	Group Dynamics	04
SPK 401A	Professional Speaking	04

## SELECT 1 OF THE FOLLOWING MINORS:

### ACCOUNTING MINOR - 24 HOURS

ACC 241	Accounting Concepts	04
ACC 301	Intermediate Accounting I	04

### SELECT 4 COURSES FROM THE FOLLOWING:

ACC 231	Computerized Accounting	04
ACC 251	Payroll Accounting	04
ACC 302	Intermediate Accounting II	04
ACC 303	Intermediate Accounting III	04
ACC 312B	Business Entities Taxation	04
ACC 331A	Cost Accounting	04
ACC 341B	Individual Taxation	04
ACC 416	Auditing, Systems, and Controls I	04
ACC 417	Auditing, Systems, and Controls II	04
ACC 431B	Governmental and Non-Profit Accounting	04
ACC 441	Advanced Accounting	04

### QUARTER HOURS REQUIRED FOR GRADUATION

185

### COMPUTER INFORMATION SYSTEMS MINOR- 24 HOURS

CIS 251	Systems Development Methods	04
CIS 302A	Intermediate Database Management	04
CIS 310	Visual BASIC	04
CS 101	Principles of Computer Science	04
CS 111	Introduction to Programming	04
CS 201	Net-centric Computing	04

### QUARTER HOURS REQUIRED FOR GRADUATION

185

### ENTREPRENEURSHIP MINOR- 24 HOURS

EN 201	Introduction to Entrepreneurship	04
EN 211	Human Resources for Entrepreneurs	04
EN 221	Finance for Entrepreneurs	04
EN 231	Marketing for Entrepreneurs	04
EN 241	Managing Entrepreneurial Operations	04
EN 291	Developing the Business Plan	04

### QUARTER HOURS REQUIRED FOR GRADUATION

185

### FINANCE MINOR - 24 HOURS

ACC 241	Accounting Concepts	04
---------	---------------------	----

### SELECT 5 COURSES FROM THE FOLLOWING:

FIN 315	Risk Management	04
FIN 325	Banking and Financial Institutions	04
FIN 341	Credit Analysis and Commercial Lending	04
FIN 355	Financial Markets	04
FIN 401	Personal Financial Planning	04
FIN 451A	International Financial Management	04
FIN 461	Investment Management	04
FIN 471	Financial Statement Analysis	04

### QUARTER HOURS REQUIRED FOR GRADUATION

185

### FLEX-STUDIES MINOR - 24 HOURS

FLEX 1	Flex Studies	04
FLEX 2	Flex Studies	04
FLEX 3	Flex Studies	04
FLEX 4	Flex Studies	04
FLEX 5	Flex Studies	04
FLEX 6	Flex Studies	04

### QUARTER HOURS REQUIRED FOR GRADUATION

185

### 5 YEAR MBA PROGRAM - 20 HOURS

BUS 572	Human Resource Management	04
BUS 615	Human Behavior Management of Organizations	04
BUS 660	The Marketing Environment	04
BUS 678	Research and Statistics for Managers	04
FLEX 1	Flex Studies	04

### QUARTER HOURS REQUIRED FOR GRADUATION

181



#### MANAGEMENT MINOR - 24 HOURS

##### SELECT 6 COURSES FROM THE FOLLOWING:

MGT	111	Professional Management Behavior	04
MGT	121	Fundamentals of Business Analytics	04
MGT	141	Principles of Management	04
MGT	211	Management and Supervision	04
MGT	212A	Staffing and Performance Management	04
MGT	221	Applied Business Analytics	04
MGT	222	Management Seminar	04
MGT	250	Conflict Management	04
MGT	331	Applied Leadership	04
MGT	341	Globalization and Diversity	04
MGT	350	Services Management	04
MGT	405	Contemporary Management Strategies	04
MGT	422	Operations Management	04
MGT	431	Strategic Management	04
MGT	442	Global Management	04

**QUARTER HOURS REQUIRED FOR GRADUATION 185**

#### MARKETING MINOR - 24 HOURS

##### SELECT 6 COURSES FROM THE FOLLOWING:

MKT	131	Personal Selling	04
MKT	201	Sales	04
MKT	202	Advertising	04
MKT	215	Applied Marketing	04
MKT	241	Advertising/Digital Marketing I	04
MKT	251	Marketing Analytics I	04
MKT	261	Marketing Planning	04
MKT	291	Marketing Seminar	04
MKT	312	Consumer Behavior	04
MKT	342	Digital Marketing II	04
MKT	352	Marketing Analytics II	04
MKT	401	Marketing Research	04
MKT	402	Advertising Management	04
MKT	421	Marketing Management	04
MKT	436	Marketing Strategy and Design	04
SAL	201	Professional Sales I	04
SAL	202	Professional Sales II	04
SAL	231	Sales Technology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 185**

#### MEDICAL OFFICE MINOR- 24 HOURS

HSC	102	BLS Provider Training and First Aid	01
HSC	104	Introduction to Disease	04
HSC	111	Introduction to Healthcare	04
HSC	161	Legal Concepts to Medical Practice	02
MED	103	Medical Terminology	04
MED	106	Asepsis	01
MIS	121A	Introduction to Medical Reimbursement	04
SCI	100F	Structure and Function of the Human Body	04

**QUARTER HOURS REQUIRED FOR GRADUATION 185**

#### NON-PROFIT MANAGEMENT - 24 HOURS

ELECT	100B	Elective	04
NPMG	301	Grant Writing	04
NPMG	311	Fundamentals of Non-Profit Management	04
NPMG	312	Fundamentals of Non-Profit Management II	04
NPMG	321	Marketing and Communication for Non-Profit Organizations	04
NPMG	331	Fund Development	04

**QUARTER HOURS REQUIRED FOR GRADUATION 185**

#### PROJECT MANAGEMENT MINOR - 24 HOURS

PPM	301	Project Management	04
PPM	311	Project Planning	04
PPM	321	Negotiation Strategies	04
PPM	401	Project Cost and Budget Management	04
PPM	411	Leading Project Teams	04
PPM	421	Contracting and Procurement for Project Managers	04

**QUARTER HOURS REQUIRED FOR GRADUATION 185**

#### PSYCHOLOGY MINOR - 24 HOURS

##### SELECT 6 COURSES FROM THE FOLLOWING:

PSY	201A	Cognitive-Behavior Therapy	04
PSY	211	Psychology of Death and Dying	04
PSY	221	Developmental Psychology	04
PSY	231	Organizational Psychology	04
PSY	281	Stress Management	04
PSY	311	Abnormal Psychology	04
PSY	331	Human Development I	04
PSY	335	Human Sexuality	04
PSY	350	Child Psychology	04
PSY	401	Social Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 185**

#### SUPPLY CHAIN MANAGEMENT MINOR - 24 HOURS

##### SELECT 6 COURSES FROM THE FOLLOWING:

SCM	231	Transportation Management	04
SCM	242	Supply Chain Management	04
SCM	251	Logistics Management	04
SCM	271	Intermodal Transportation	04
SCM	301	Procurement and Supply Chain Management	04
SCM	321	Manufacturing, Planning, and Control	04
SCM	401	Decision Modeling in Supply Chains	04
SCM	421	Advanced Topics in Supply Chain Management	04

**QUARTER HOURS REQUIRED FOR GRADUATION 185**

## INFORMATION SYSTEMS

### Bachelor of Science

Information Systems (IS) professionals serve as strategic liaisons between administrative and technological functions within an organization. IS professionals integrate business processes and complex information technology while serving as consultants, designers, or implementers of new solutions that assist an organization in achieving goals. Related occupations include Information Systems Manager, Chief Information Officer, Project Manager, Computer Systems Analyst, and Systems Administrator.



Course Number	Course Title	Quarter Hours
<b>INFORMATION SYSTEMS MAJOR - 87 HOURS</b>		
CIS	106B	Computer Operating Systems and Maintenance I 04
CIS	114	Database Fundamentals 02
CIS	331	Database Management Using SQL 04
CIS	351	System Modeling and Design 04
CIS	421B	Database Administration I 04
CIS	431	Enterprise Architecture 04
CIS	441	IS Strategy, Management and Acquisition 04
CIS	495	Special Topics in Information Systems 04
CIS	499	Senior Project in Information Systems 04
CS	111	Introduction to Programming 04
CS	422A	Database Programming I 04
ITS	211	Introduction to Network Security 04
ITS	321	Legal and Ethical Issues in Information Technology 04
MTH	401	Statistical Methods 04

NET	101	Networking Essentials I	04
NET	102	Networking Essentials II	04
PPM	301	Project Management	04
PPM	311	Project Planning	04
PPM	401	Project Cost and Budget Management	04
WRK	291B	Professional Career Strategies	01

**SELECT 1 COURSE FROM THE FOLLOWING:**

WRK	218	Work Experience Project	04
WRKTC	201	Work Experience	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

CS	217A	C++ Programming	04
CS	241	Java Programming	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

CS	218A	Object Oriented Programming With C++	04
CS	242	Advanced Java Programming	04

**BUSINESS REQUIREMENTS - 20 HOURS**

ACC	121	Fundamentals of Accounting I	04
BUS	211	Business Analytics	04
MGT	101	Introduction to Business	04
MGT	141	Principles of Management	04
MGT	321	Management Information Systems	04

**GENERAL EDUCATION REQUIREMENTS - 64 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	121B	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
MTH	111	Introductory Algebra	04
MTH	112	Intermediate Algebra	04
PSY	231	Organizational Psychology	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**SELECT 1 OF THE FOLLOWING MINORS:**

**ACCOUNTING MINOR - 24 HOURS**

ACC	122	Fundamentals of Accounting II	04
ACC	241	Accounting Concepts	04
ACC	301	Intermediate Accounting I	04

**SELECT 3 COURSES FROM THE FOLLOWING:**

ACC	231	Computerized Accounting	04
ACC	251	Payroll Accounting	04
ACC	302	Intermediate Accounting II	04
ACC	303	Intermediate Accounting III	04
ACC	312B	Business Entities Taxation	04
ACC	331A	Cost Accounting	04
ACC	341B	Individual Taxation	04

**QUARTER HOURS REQUIRED FOR GRADUATION 195**

**HEALTHCARE INFORMATICS MINOR - 24 HOURS**

CIS	371	Introduction to Healthcare Informatics	04
CIS	451	Advanced Healthcare Informatics	04
HSC	111	Introduction to Healthcare	04
HSC	312	Health Law and Regulations	04
MED	103	Medical Terminology	04
MED	171	Electronic Medical Records	04

**QUARTER HOURS REQUIRED FOR GRADUATION 195**

**INFORMATION ASSURANCE MINOR - 28 HOURS**

ITS	305	Security Policies and Auditing	04
ITS	315	Information Systems Threat Assessment	04
ITS	325	Securing Systems	04
ITS	405	Internet and Web Security	04
ITS	415	Firewall Concepts	04
ITS	425	Computer Forensics and Investigation	04
ITS	435	Disaster Recovery	04

**QUARTER HOURS REQUIRED FOR GRADUATION 199**

**MANAGEMENT MINOR - 24 HOURS**

**SELECT 6 COURSES FROM THE FOLLOWING:**

MGT	212	Human Resource Management	04
MGT	221	Applied Business Analytics	04
MGT	222	Management Seminar	04
MGT	250	Conflict Management	04
MGT	311	Organizational Change	04
MGT	331	Applied Leadership	04
MGT	341	Globalization and Diversity	04
MGT	350	Services Management	04
MGT	405	Contemporary Management Strategies	04
MGT	422	Operations Management	04
MGT	442	Global Management	04

**QUARTER HOURS REQUIRED FOR GRADUATION 195**

**5 YEAR MSIS PROGRAM - 16 HOURS**

BUS	615	Human Behavior Management of Organizations	04
BUS	678	Research and Statistics for Managers	04
MIS	511	Management Information Systems	04
MIS	521	Information Systems Project Management	04

**QUARTER HOURS REQUIRED FOR GRADUATION 187**

**WEB DEVELOPMENT MINOR - 24 HOURS**

WEB	111B	Introduction to HTML	04
WEB	131	Web Development I	04
WEB	211	Web Scripting	04
WEB	221	Interactive Web Design	04

**SELECT 2 COURSES FROM THE FOLLOWING:**

WEB	121A	World Wide Web Design	04
WEB	132	Web Development II	04
WEB	201	Web Multi-Media	04
WEB	222	Internet Commerce	04
WEB	231	Server-side Programming	04
WEB	241	ActionScript Programming	04

**QUARTER HOURS REQUIRED FOR GRADUATION 195**

**INFORMATION TECHNOLOGY AND SECURITY**

**Bachelor of Science**

This program prepares graduates for career opportunities in Information Technology and Security Technology as network administrators, system analysts, or management of an information technology team. Employees with information technology and security knowledge are considered an integral part of many business' information technology teams. Information technology workers work in healthcare, business, information systems, technical, and engineering fields. They possess the skills to manage information technology teams as well as handle the technical aspects of the network infrastructure.







Course Number	Course Title	Quarter Hours
<b>INFORMATION TECHNOLOGY REQUIREMENTS - 71 HOURS</b>		
CIS 106B	Computer Operating Systems and Maintenance I	04
CIS 114	Database Fundamentals	02
ITS 211	Introduction to Network Security	04
ITS 321	Legal and Ethical Issues in Information Technology	04
ITS 331	Designing for Security	04
ITS 341	Scripting for Network Administrators	04
ITS 421	Tactical Perimeter Defense	04
ITS 491	Information Security Research and Design Project	04
LUX 205	Introduction to Linux/Unix	04
MTH 401	Statistical Methods	04
MNP 201	Microsoft Windows Server Administration I	04
NET 101	Networking Essentials I	04
NET 102	Networking Essentials II	04
PPM 301	Project Management	04
WRK 291B	Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
WRK 218	Work Experience Project	04
WRKTC 201	Work Experience	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CSC 121B	Introduction to Networks	04
NET 222	Introduction to Routers and Routing	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
CSC 222	Cisco Wireless Networking	04
NET 211	Wireless Networking	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
MNP 171A	Windows 7 Configuration	04
MNP 181	Windows 8 Configuration	04
<b>GENERAL EDUCATION REQUIREMENTS - 60 HOURS</b>		
ELECT 111A	Scientific Inquiry Elective	04
ELECT 121A	Communication Elective	04
ELECT 131A	Global and Cultural Perspectives Elective	04
ELECT 131B	Global and Cultural Perspectives Elective	04
ELECT 141A	Personal and Social Environments Elective	04
ELECT 141B	Personal and Social Environments Elective	04
ENG 101	Composition I	04
ENG 102	Composition II	04
MTH 111	Introductory Algebra	04
MTH 112A	College Algebra	04
SOC 321	Cultural Diversity	04
SPK 201	Oral Communication	04
WRI 115	Workplace Communication	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 101	Human Relations	04
PSY 111	General Psychology	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
SPK 211	Group Dynamics	04
SPK 401A	Professional Speaking	04
<b>INFORMATION ASSURANCE MAJOR - 52 HOURS</b>		
ELECT 107A	Information Technology Elective	04
ELECT 107B	Information Technology Elective	04
ELECT 107C	Information Technology Elective	04
ELECT 107D	Information Technology Elective	04
ELECT 107E	Information Technology Elective	04
ELECT 107F	Information Technology Elective	04
ITS 305	Security Policies and Auditing	04
ITS 315	Information Systems Threat Assessment	04
ITS 325	Securing Systems	04
ITS 405	Internet and Web Security	04
ITS 415	Firewall Concepts	04
ITS 425	Computer Forensics and Investigation	04
ITS 435	Disaster Recovery	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>183</b>

## MANAGEMENT

### Bachelor of Business Administration

The major objectives of the management program are to train broadly competent administrators for service in a wide variety of organizations—public or private, product- or service-oriented, for-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. Students interested in completing the 5 Year MBA Program must apply to the Center of 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.



Course Number	Course Title	Quarter Hours
<b>MANAGEMENT MAJOR - 45 HOURS</b>		
BUS 211	Business Analytics	04
MGT 111	Professional Management Behavior	04
MGT 141	Principles of Management	04
MGT 212A	Staffing and Performance Management	04
MGT 221	Applied Business Analytics	04
MGT 222	Management Seminar	04
MGT 331	Applied Leadership	04
MGT 341	Globalization and Diversity	04
MGT 422	Operations Management	04
MGT 431	Strategic Management	04
WRK 291B	Professional Career Strategies	01
WRKBS 201	Work Experience	04
<b>BUSINESS REQUIREMENTS - 48 HOURS</b>		
ACC 121	Fundamentals of Accounting I	04
ACC 122	Fundamentals of Accounting II	04
ECN 201	Principles of Macroeconomics	04
ECN 202	Principles of Microeconomics	04
FIN 101	Personal Finance	04
FIN 301A	Principles of Finance	04
LAW 211	Business Law	04
MGT 101	Introduction to Business	04
MGT 311	Organizational Change	04
MGT 321	Management Information Systems	04
MKT 111B	Principles of Marketing	04
MTH 401	Statistical Methods	04
<b>GENERAL EDUCATION REQUIREMENTS - 72 HOURS</b>		

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
INF	114A	Introduction to Database Applications	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**SELECT 1 OF THE FOLLOWING MINORS:**
**ACCOUNTING MINOR - 24 HOURS**

ACC	241	Accounting Concepts	04
ACC	301	Intermediate Accounting I	04

**SELECT 4 COURSES FROM THE FOLLOWING:**

ACC	231	Computerized Accounting	04
ACC	251	Payroll Accounting	04
ACC	302	Intermediate Accounting II	04
ACC	303	Intermediate Accounting III	04
ACC	312B	Business Entities Taxation	04
ACC	331A	Cost Accounting	04
ACC	341B	Individual Taxation	04
ACC	416	Auditing, Systems, and Controls I	04
ACC	417	Auditing, Systems, and Controls II	04
ACC	431B	Governmental and Non-Profit Accounting	04
ACC	441	Advanced Accounting	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**
**COMPUTER INFORMATION SYSTEMS MINOR - 24 HOURS**

CIS	251	Systems Development Methods	04
CIS	302A	Intermediate Database Management	04
CIS	310	Visual BASIC	04
CS	101	Principles of Computer Science	04
CS	111	Introduction to Programming	04
CS	201	Net-centric Computing	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**
**ENTREPRENEURSHIP MINOR - 24 HOURS**

EN	201	Introduction to Entrepreneurship	04
EN	211	Human Resources for Entrepreneurs	04
EN	221	Finance for Entrepreneurs	04
EN	231	Marketing for Entrepreneurs	04
EN	241	Managing Entrepreneurial Operations	04
EN	291	Developing the Business Plan	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**
**FINANCE MINOR - 24 HOURS**

ACC	241	Accounting Concepts	04
-----	-----	---------------------	----

**SELECT 5 COURSES FROM THE FOLLOWING:**

FIN	315	Risk Management	04
FIN	325	Banking and Financial Institutions	04
FIN	341	Credit Analysis and Commercial Lending	04
FIN	355	Financial Markets	04
FIN	401	Personal Financial Planning	04
FIN	451A	International Financial Management	04
FIN	461	Investment Management	04
FIN	471	Financial Statement Analysis	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**
**FLEX-STUDIES MINOR - 24 HOURS**

FLEX	1	Flex Studies	04
FLEX	2	Flex Studies	04
FLEX	3	Flex Studies	04
FLEX	4	Flex Studies	04
FLEX	5	Flex Studies	04
FLEX	6	Flex Studies	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**
**HUMAN RESOURCE MANAGEMENT MINOR - 24 HOURS**
**SELECT 6 COURSES FROM THE FOLLOWING:**

HRM	215	Securing Human Resources	04
HRM	225	Developing Human Resources	04
HRM	291	Human Resource Seminar	04
HRM	300	Compensating Human Resources	04
HRM	315	Evaluating Human Resources	04
HRM	401	Human Resources and Employment Law	04
HRM	435B	International Human Resource Management	04
HRM	491	Strategic Human Resource Management	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**
**5 YEAR MBA PROGRAM - 20 HOURS**

BUS	572	Human Resource Management	04
BUS	615	Human Behavior Management of Organizations	04
BUS	660	The Marketing Environment	04
BUS	678	Research and Statistics for Managers	04
FLEX	1	Flex Studies	04

**QUARTER HOURS REQUIRED FOR GRADUATION 185**
**MARKETING MINOR - 24 HOURS**
**SELECT 6 COURSES FROM THE FOLLOWING:**

MKT	131	Personal Selling	04
MKT	201	Sales	04
MKT	202	Advertising	04
MKT	215	Applied Marketing	04
MKT	241	Advertising/Digital Marketing I	04
MKT	251	Marketing Analytics I	04
MKT	261	Marketing Planning	04
MKT	291	Marketing Seminar	04
MKT	312	Consumer Behavior	04
MKT	342	Digital Marketing II	04
MKT	352	Marketing Analytics II	04
MKT	401	Marketing Research	04
MKT	402	Advertising Management	04
MKT	421	Marketing Management	04
MKT	436	Marketing Strategy and Design	04
SAL	201	Professional Sales I	04
SAL	202	Professional Sales II	04
SAL	231	Sales Technology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**
**MEDICAL OFFICE MINOR- 24 HOURS**

HSC	102	BLS Provider Training and First Aid	01
HSC	104	Introduction to Disease	04
HSC	111	Introduction to Healthcare	04
HSC	161	Legal Concepts to Medical Practice	02
MED	103	Medical Terminology	04
MED	106	Asepsis	01
MIS	121A	Introduction to Medical Reimbursement	04
SCI	100F	Structure and Function of the Human Body	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**
**NON-PROFIT MANAGEMENT MINOR - 24 HOURS**

ELECT	100A	Elective	04
NPMG	301	Grant Writing	04
NPMG	311	Fundamentals of Non-Profit Management	04
NPMG	312	Fundamentals of Non-Profit Management II	04
NPMG	321	Marketing and Communication for Non-Profit Organizations	04
NPMG	331	Fund Development	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**



#### PROJECT MANAGEMENT MINOR - 24 HOURS

PPM	301	Project Management	04
PPM	311	Project Planning	04
PPM	321	Negotiation Strategies	04
PPM	401	Project Cost and Budget Management	04
PPM	411	Leading Project Teams	04
PPM	421	Contracting and Procurement for Project Managers	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**

#### PSYCHOLOGY MINOR - 24 HOURS

##### SELECT 6 COURSES FROM THE FOLLOWING:

PSY	201A	Cognitive-Behavior Therapy	04
PSY	211	Psychology of Death and Dying	04
PSY	221	Developmental Psychology	04
PSY	231	Organizational Psychology	04
PSY	281	Stress Management	04
PSY	311	Abnormal Psychology	04
PSY	331	Human Development I	04
PSY	335	Human Sexuality	04
PSY	350	Child Psychology	04
PSY	401	Social Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**

#### SUPPLY CHAIN MANAGEMENT MINOR - 24 HOURS

##### SELECT 6 COURSES FROM THE FOLLOWING:

SCM	231	Transportation Management	04
SCM	242	Supply Chain Management	04
SCM	251	Logistics Management	04
SCM	271	Intermodal Transportation	04
SCM	301	Procurement and Supply Chain Management	04
SCM	321	Manufacturing, Planning, and Control	04
SCM	401	Decision Modeling in Supply Chains	04
SCM	421	Advanced Topics in Supply Chain Management	04

**QUARTER HOURS REQUIRED FOR GRADUATION 189**

## MARKETING

### Bachelor of Business Administration

Marketers are involved in the process that moves products from concept to consumers by creating, communicating, delivering, and exchanging offerings that provide value. The study of marketing encompasses a wide range of activities including: advertising, sales, retailing, wholesaling, warehousing, packaging, distribution, research, strategic planning, product development, sales management, and marketing communications. Students in this program will participate in active learning and demonstrate an understanding of basic business and marketing principles utilizing case studies and business simulations. Computer technology will be used to prepare spreadsheets, write reports, analyze business problems, and prepare professional presentations. Individual and team activities in class and in business situations will enhance the students' ability to demonstrate ethical values, look at things from a global perspective and develop human relations skills.

This degree offers a solid background in the concepts of marketing and business. A marketing degree can lead to a career in areas such as marketing management, marketing research, personal selling, sales management, retail merchandising and management, and promotional strategy and management.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### MARKETING MAJOR - 37 HOURS

BUS	211	Business Analytics	04
MKT	131	Personal Selling	04
MKT	241	Advertising/Digital Marketing I	04
MKT	261	Marketing Planning	04
MKT	312	Consumer Behavior	04
MKT	342	Digital Marketing II	04
MKT	352	Marketing Analytics II	04
MKT	436	Marketing Strategy and Design	04
WRK	291B	Professional Career Strategies	01
WRKBS	201	Work Experience	04

#### BUSINESS REQUIREMENTS - 48 HOURS

ACC	121	Fundamentals of Accounting I	04
ACC	122	Fundamentals of Accounting II	04
ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
FIN	101	Personal Finance	04
FIN	301A	Principles of Finance	04
LAW	211	Business Law	04
MGT	101	Introduction to Business	04
MGT	311	Organizational Change	04
MGT	321	Management Information Systems	04
MKT	111B	Principles of Marketing	04
MTH	401	Statistical Methods	04

#### GENERAL EDUCATION REQUIREMENTS - 72 HOURS

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	113	Electronic Spreadsheets	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

##### SELECT 2 COURSES FROM THE FOLLOWING:

INF	112	Word Processing	02
INF	114A	Introduction to Database Applications	02
INF	121	Introduction to Windows	02

##### SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

##### SELECT 1 COURSE FROM THE FOLLOWING:

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**ELECTIVE CREDIT 24**

**QUARTER HOURS REQUIRED FOR GRADUATION 181**

## MOBILE APPLICATION SOFTWARE ENGINEERING

### Bachelor of Science

Computer software engineers design and develop software by applying the theories and principles of computer science and mathematical analysis to create, test, and evaluate the software applications and systems that make computers work. In this program, students will acquire skills in software application development focusing on solutions for mobile devices across multiple platforms including Android, iOS (Apple) and Windows.





**Course Number Course Title Quarter Hours**  
**MOBILE APPLICATION SOFTWARE ENGINEERING MAJOR - 131 HOURS**

CIS	114	Database Fundamentals	02
CIS	251	Systems Development Methods	04
CIS	331	Database Management Using SQL	04
CS	101	Principles of Computer Science	04
CS	111	Introduction to Programming	04
CS	201	Net-centric Computing	04
CS	217A	C++ Programming	04
CS	218A	Object Oriented Programming With C++	04
CS	231	Microprocessor Electronics	04
CS	241	Java Programming	04
CS	242	Advanced Java Programming	04
CS	321	Data Structures and Algorithms I	04
CS	322	Data Structures and Algorithms II	04
CS	341	Programming for Mobile Devices	04
CS	351	Introduction to Android Mobile SDK and Application Development	04
CS	352	Advanced Android Mobile Application Development	04
CS	371	Introduction to iOS Mobile SDK and Application Development	04
CS	372	Advanced iOS Mobile Application Development	04
CS	401	Introduction to Windows Mobile SDK and Application Development	04
CS	402	Advanced Windows Mobile Application Development	04
CS	422A	Database Programming I	04
CS	451	Unit Testing and Interfaces	04
CS	481	Trends in Computer Science	04
CS	495	Mobile Application Development Capstone	04
EGR	111	Technical Communications for Engineering Sciences	04
GSD	311	C# Programming	04
MTH	124	Trigonometry	04
MTH	141A	Calculus I	04
MTH	142	Calculus II	04
MTH	143	Calculus III	04
MTH	261	Linear Algebra	04
MTH	340	Discrete Mathematics	04
WRK	291B	Professional Career Strategies	01
WRKTC	201	Work Experience	04

**GENERAL EDUCATION REQUIREMENTS - 64 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	121B	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 195**

This program is offered at the following Baker College campus: Online

**NURSING (POST-LICENSURE)**

**Bachelor of Science**

The goal of the Baker College Baccalaureate Post-licensure Nursing program is to provide an opportunity for licensed registered nurses to continue their professional growth by the acquisition of knowledge and skills needed to function in healthcare settings that are responsive to individual and community needs as professional nurses. These individuals will develop into leaders of research, practice, education, and administration within the healthcare environment.

**Program requirements include:**

- An 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 clinical components of this program under the supervision of a baccalaureate nurse licensed in Canada. Successful completion of the Baker College baccalaureate nursing program does not qualify the Canadian graduate to take the US NCLEX examination.
- All students are expected to maintain licensure throughout their academic career.
- Applicants must include a photocopy of an active US or Canadian RN license or a printed page from the licensing state's nursing website or Canadian equivalent verifying licensure status and expiration date.
- Students must have a cumulative GPA of a B- (2.7) in order to graduate with a BSN degree from Baker College. A minimum grade of 2.7 (B-) is required for Health Science Courses (SCI, HSC, NUR). A minimum grade of 2.0 (C) is required for general education courses.

The nursing programs within the Baker College System have been approved by the Michigan Board of Nursing.

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.



*Program Status: Open Enrollment.*





**Course Number Course Title Quarter Hours**

**REQUIRED COURSES - 15 HOURS**

HSC	221	Nutrition	04
PSY	111	General Psychology	04
SCI	102C	Human Anatomy and Physiology II	05
SCI	131	Concepts in Microbiology	02

**NURSING MAJOR - 44 HOURS**

CIS	371	Introduction to Healthcare Informatics	04
NUR	311	Fundamentals of Professional Nursing Practice	04
NUR	321	Nursing Assessment for the Registered Nurse	04
NUR	331	Health Promotion and Vulnerable Populations	04
NUR	341	Nursing Theory and Research	04
NUR	411	Community Health Nursing	04
NUR	412	Community Health Nursing Practicum	04
NUR	421	Nursing Leadership and Management	04
NUR	422	Nursing Leadership and Management Practicum	04
NUR	482	Nursing Seminar	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

NUR	431	Global Health	04
NUR	441	Pathophysiology for the Registered Nurse	04

**GENERAL EDUCATION REQUIREMENTS - 48 HOURS**

HUM	353	Art Appreciation	02
HUM	357	Music Appreciation	02
HUM	401A	Philosophy of Ethics	04
MTH	112A	College Algebra	04
MTH	401	Statistical Methods	04
PSY	221	Developmental Psychology	04
SOC	321	Cultural Diversity	04
SPN	101	Spanish I	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	411	Foundations of Mass Communication	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

ECN	301	International Economics	04
GEO	101B	World Geography I	04
GEO	102B	World Geography II	04
HIS	301	Women's Studies	04
HIS	351	World History I	04
HIS	411	Emerging Nations	04
ITP	111	American Sign Language I	04
ITP	112	American Sign Language II	04
POL	401	International Relations	04
SPN	102	Spanish II	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

POL	201A	American Political Systems	04
PSY	211	Psychology of Death and Dying	04
PSY	231	Organizational Psychology	04
PSY	335	Human Sexuality	04
PSY	351	Adolescent Psychology	04
PSY	401	Social Psychology	04
SOC	201	Sociology	04
SOC	301	Social Problems	04
SOC	341	Global Perspectives	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SCI	215	Integrated Physics	04
SCI	246	Chemistry I	04
SCI	321	Principles of Astronomy	04

**QUARTER HOURS REQUIRED FOR GRADUATION 180**

Access additional program information at [www.baker.edu](http://www.baker.edu)

**PROJECT MANAGEMENT AND PLANNING**

**Bachelor of Science**

Information Systems (IS) professionals serve as strategic liaisons between administrative and technological functions within an organization. IS professionals integrate business processes and complex information technology while serving as consultants, designers, or implementers of new solutions that assist an organization in achieving goals. Related occupations include Information Systems Manager, Chief Information Officer, Project Manager, Computer Systems Analyst, and Systems Administrator. This major prepares an individual for immediate application of the knowledge, skills, tools, and techniques that are utilized in the practice of project management. The philosophy as well as the set of methods learned in this program will enable graduates to lead projects, complete them on time and within budget. This program will help prepare students for certification as a project manager.



**Course Number Course Title Quarter Hours**

**PROJECT MANAGEMENT AND PLANNING MAJOR - 103 HOURS**

CIS	106B	Computer Operating Systems and Maintenance I	04
CIS	114	Database Fundamentals	02
CIS	331	Database Management Using SQL	04
CIS	351	System Modeling and Design	04
CIS	421B	Database Administration I	04
CIS	431	Enterprise Architecture	04
CIS	441	IS Strategy, Management and Acquisition	04
CIS	495	Special Topics in Information Systems	04
CIS	499	Senior Project in Information Systems	04
CS	111	Introduction to Programming	04
CS	422A	Database Programming I	04
CSS	211	Introduction to Network Security	04
ITS	321	Legal and Ethical Issues in Information Technology	04
MTH	401	Statistical Methods	04
NET	101	Networking Essentials I	04
NET	102	Networking Essentials II	04
PPM	301	Project Management	04
PPM	311	Project Planning	04
PPM	321	Negotiation Strategies	04
PPM	401	Project Cost and Budget Management	04
PPM	411	Leading Project Teams	04
PPM	421	Contracting and Procurement for Project Managers	04
PPM	499	Senior Design Project in Project Management	04
WRK	291B	Professional Career Strategies	01

**SELECT 1 COURSE FROM THE FOLLOWING:**

CS	217A	C++ Programming	04
CS	241	Java Programming	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

CS	218A	Object Oriented Programming With C++	04
CS	242	Advanced Java Programming	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

WRK	218	Work Experience Project	04
WRKTC	201	Work Experience	04

**BUSINESS REQUIREMENTS - 20 HOURS**

ACC	121	Fundamentals of Accounting I	04
BUS	211	Business Analytics	04
MGT	101	Introduction to Business	04
MGT	141	Principles of Management	04
MGT	321	Management Information Systems	04

### GENERAL EDUCATION REQUIREMENTS - 64 HOURS

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	121B	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
INF	112	Word Processing	02
INF	113	Electronic Spreadsheets	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
PSY	231	Organizational Psychology	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 187**

## PSYCHOLOGY

### Bachelor of Science

Psychology is the study of mental processes and behavior. As such, a scholarly background in psychology is useful and versatile for students to have both personally and professionally. The Psychology program will help to prepare students for a variety of professions and careers or to enter graduate study in psychology, as well as in other related disciplines and fields. The American Psychological Association's Board of Educational Affairs Task Force established specific guidelines for undergraduate psychology major competencies (APA Guidelines for the Undergraduate Psychology Major: Version 2.0, August 2013). The undergraduate psychology major at Baker College Online adapts from, and conforms to, these guidelines and standards. The program seeks to assist students with the development of foundational skills, information, and knowledge in the discipline of psychology. The student then transfers the information learned into actual knowledge which leads to the transformation of knowledge into understanding and application. The Bachelor of Science in Psychology at Baker College Online is a 100% online program and is not available through a Baker College campus. Students in this program will receive all support services through the Baker Online campus.



### Course Number Course Title Quarter Hours

#### PSYCHOLOGY MAJOR - 84 HOURS

MTH	401	Statistical Methods	04
PSY	121	History of Psychology	04
PSY	251	Cognitive Psychology	04
PSY	311	Abnormal Psychology	04
PSY	336	Psychology of Gender	04
PSY	355	Personality Psychology	04
PSY	366	Research Methods I	04
PSY	367	Research Methods II	04
PSY	381	Cross-Cultural Psychology	04
PSY	391	Bio-Chemical/Neural Psychology	04
PSY	431	Physiological Psychology	04
PSY	441	Sensation and Perception	04
PSY	442	Learning and Memory	04
PSY	445	Motivation and Emotion	04
PSY	451	Psychopharmacology for Psychology Majors	04
PSY	491	Senior Seminar: Psychology	04

#### SELECT 5 COURSES FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	201A	Cognitive-Behavior Therapy	04
PSY	211	Psychology of Death and Dying	04
PSY	231	Organizational Psychology	04
PSY	241	Theories of Counseling	04
PSY	271	Sports Psychology	04
PSY	321	Psychology of Disability	04
PSY	335	Human Sexuality	04
PSY	350	Child Psychology	04
PSY	351	Adolescent Psychology	04
PSY	402	Gerontology	04
PSY	411	Clinical Methods in Mental Health	04
WRK	301	Internship	04

#### GENERAL EDUCATION REQUIREMENTS - 72 HOURS

ELECT	111A	Scientific Inquiry Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	161A	Computer Literacy Elective	02
ELECT	161B	Computer Literacy Elective	02
ELECT	161C	Computer Literacy Elective	02
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
PSY	111	General Psychology	04
PSY	221	Developmental Psychology	04
PSY	401	Social Psychology	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

#### SELECT 2 COURSE FROM THE FOLLOWING:

ENG	221	Critical Writing and Literary Analysis	04
ENG	231	Language and Culture	04
ENG	311	Creative Writing	04
ENG	411	Foundations of Mass Communication	04
LIT	301	Contemporary Literature	04
LIT	331	American Literature I	04
LIT	332	American Literature II	04
LIT	401A	Survey of English Literature	04
LIT	411	Studies in Literature	04
WRI	115	Workplace Communication	04
WRI	301A	Report Writing	04

#### ELECTIVE CREDIT

**QUARTER HOURS REQUIRED FOR GRADUATION 180**





## SUPPLY CHAIN MANAGEMENT

### Bachelor of Business Administration

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 that the students will ultimately compete within.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

#### SUPPLY CHAIN MANAGEMENT MAJOR - 45 HOURS

CIS	313A	Intermediate Spreadsheets	04
ELECT	100A	Elective	04
ELECT	100B	Elective	04
ELECT	100C	Elective	04
ELECT	100D	Elective	04
MGT	311	Organizational Change	04
SCM	301	Procurement and Supply Chain Management	04
SCM	321	Manufacturing, Planning, and Control	04
SCM	401	Decision Modeling in Supply Chains	04
SCM	421	Advanced Topics in Supply Chain Management	04
WRK	291B	Professional Career Strategies	01

#### SELECT 1 COURSE FROM THE FOLLOWING:

WRK	301	Internship	04
WRKBS	201	Work Experience	04

#### BUSINESS REQUIREMENTS - 44 HOURS

ACC	121	Fundamentals of Accounting I	04
ACC	122	Fundamentals of Accounting II	04
ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
FIN	101	Personal Finance	04
FIN	301A	Principles of Finance	04
LAW	211	Business Law	04
MGT	101	Introduction to Business	04
MGT	321	Management Information Systems	04
MKT	111B	Principles of Marketing	04
MTH	401	Statistical Methods	04

#### GENERAL EDUCATION REQUIREMENTS - 68 HOURS

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04

ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	113	Electronic Spreadsheets	02
INF	161	Technology and Society	02
MTH	108	College Mathematics I: Reasoning and Application	04
MTH	109	College Mathematics II	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04
WRI	115	Workplace Communication	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

PSY	101	Human Relations	04
PSY	111	General Psychology	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

#### SELECT 1 OF THE FOLLOWING MINORS:

##### ACCOUNTING MINOR - 24 HOURS

ACC	241	Accounting Concepts	04
ACC	301	Intermediate Accounting I	04

#### SELECT 4 COURSES FROM THE FOLLOWING:

ACC	231	Computerized Accounting	04
ACC	251	Payroll Accounting	04
ACC	302	Intermediate Accounting II	04
ACC	303	Intermediate Accounting III	04
ACC	312B	Business Entities Taxation	04
ACC	331A	Cost Accounting	04
ACC	341B	Individual Taxation	04
ACC	416	Auditing, Systems, and Controls I	04
ACC	417	Auditing, Systems, and Controls II	04
ACC	431B	Governmental and Non-Profit Accounting	04
ACC	441	Advanced Accounting	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

181

##### COMPUTER INFORMATION SYSTEMS MINOR - 24 HOURS

CIS	251	Systems Development Methods	04
CIS	302A	Intermediate Database Management	04
CIS	310	Visual BASIC	04
CS	101	Principles of Computer Science	04
CS	111	Introduction to Programming	04
CS	201	Net-centric Computing	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

181

##### ENTREPRENEURSHIP MINOR - 24 HOURS

EN	201	Introduction to Entrepreneurship	04
EN	211	Human Resources for Entrepreneurs	04
EN	221	Finance for Entrepreneurs	04
EN	231	Marketing for Entrepreneurs	04
EN	241	Managing Entrepreneurial Operations	04
EN	291	Developing the Business Plan	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

181

##### FINANCE MINOR - 24 HOURS

ACC	241	Accounting Concepts	04
-----	-----	---------------------	----

#### SELECT 5 COURSES FROM THE FOLLOWING:

FIN	315	Risk Management	04
FIN	325	Banking and Financial Institutions	04
FIN	341	Credit Analysis and Commercial Lending	04
FIN	355	Financial Markets	04
FIN	401	Personal Financial Planning	04
FIN	451A	International Financial Management	04
FIN	461	Investment Management	04
FIN	471	Financial Statement Analysis	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

181

##### FLEX-STUDIES MINOR - 24 HOURS

FLEX	1	Flex Studies	04
FLEX	2	Flex Studies	04
FLEX	3	Flex Studies	04
FLEX	4	Flex Studies	04
FLEX	5	Flex Studies	04
FLEX	6	Flex Studies	04

#### QUARTER HOURS REQUIRED FOR GRADUATION

181

#### HUMAN RESOURCE MANAGEMENT MINOR - 24 HOURS

##### SELECT 6 COURSES FROM THE FOLLOWING:

HRM	215	Staffing Human Resources	04
HRM	225	Developing Human Resources	04
HRM	291	Human Resource Seminar	04
HRM	300	Compensating Human Resources	04
HRM	315A	Performance Management of Human Resources	04
HRM	401	Human Resources and Employment Law	04
HRM	435B	International Human Resource Management	04
HRM	491	Strategic Human Resource Management	04
MGT	212	Human Resource Management	04

**QUARTER HOURS REQUIRED FOR GRADUATION 181**

#### MARKETING MINOR - 24 HOURS

##### SELECT 6 COURSES FROM THE FOLLOWING:

MKT	131	Personal Selling	04
MKT	201	Sales	04
MKT	202	Advertising	04
MKT	215	Applied Marketing	04
MKT	241	Advertising/Digital Marketing I	04
MKT	251	Marketing Analytics I	04
MKT	261	Marketing Planning	04
MKT	291	Marketing Seminar	04
MKT	312	Consumer Behavior	04
MKT	342	Digital Marketing II	04
MKT	352	Marketing Analytics II	04
MKT	401	Marketing Research	04
MKT	402	Advertising Management	04
MKT	421	Marketing Management	04
MKT	436	Marketing Strategy and Design	04
SAL	201	Professional Sales I	04
SAL	202	Professional Sales II	04
SAL	231	Sales Technology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 181**

#### PROJECT MANAGEMENT MINOR - 24 HOURS

PPM	301	Project Management	04
PPM	311	Project Planning	04
PPM	321	Negotiation Strategies	04
PPM	401	Project Cost and Budget Management	04
PPM	411	Leading Project Teams	04
PPM	421	Contracting and Procurement for Project Managers	04

**QUARTER HOURS REQUIRED FOR GRADUATION 181**

#### PSYCHOLOGY MINOR - 24 HOURS

##### SELECT 6 COURSES FROM THE FOLLOWING:

PSY	201A	Cognitive-Behavior Therapy	04
PSY	211	Psychology of Death and Dying	04
PSY	221	Developmental Psychology	04
PSY	231	Organizational Psychology	04
PSY	281	Stress Management	04
PSY	311	Abnormal Psychology	04
PSY	331	Human Development I	04
PSY	335	Human Sexuality	04
PSY	350	Child Psychology	04
PSY	401	Social Psychology	04

**QUARTER HOURS REQUIRED FOR GRADUATION 181**

#### WEB DEVELOPMENT MINOR - 24 HOURS

WEB	111B	Introduction to HTML	04
WEB	131	Web Development I	04
WEB	211	Web Scripting	04
WEB	221	Interactive Web Design	04

##### SELECT 2 COURSES FROM THE FOLLOWING:

WEB	121A	World Wide Web Design	04
WEB	132	Web Development II	04
WEB	201	Web Multi-Media	04
WEB	222	Internet Commerce	04
WEB	231	Server-side Programming	04
WEB	241	ActionScript Programming	04

**QUARTER HOURS REQUIRED FOR GRADUATION 181**

#### WEB DEVELOPMENT

##### Bachelor of Science

This program is designed to work in conjunction with the Associate of Applied Science degree in Web Design to provide individuals with additional technical skills in the Web development field. While the associate degree gives students a general base of skills, this degree targets the programming and development skills required to develop interactive, database driven websites.



Course Number	Course Title	Quarter Hours
<b>WEB DEVELOPMENT MAJOR - 127 HOURS</b>		
CIS	114 Database Fundamentals	02
CIS	251 Systems Development Methods	04
CIS	310 Visual BASIC	04
CIS	311 Advanced Visual BASIC	04
CIS	331 Database Management Using SQL	04
CIS	351 System Modeling and Design	04
CIS	421B Database Administration I	04
CS	111 Introduction to Programming	04
CS	241 Java Programming	04
CS	242 Advanced Java Programming	04
CS	422A Database Programming I	04
CS	461 Security	04
DMD	131 Introduction to Graphic Imaging	04
ITS	111 Introduction to Information System Security	04
LUX	205 Introduction to Linux/Unix	04
WEB	111B Introduction to HTML	04
WEB	121A World Wide Web Design	04
WEB	131 Web Development I	04
WEB	132 Web Development II	04
WEB	201 Web Multi-Media	04
WEB	211 Web Scripting	04
WEB	221 Interactive Web Design	04
WEB	222 Internet Commerce	04
WEB	241 ActionScript Programming	04
WEB	321 Web Application Development Tools	04
WEB	331 Java Enterprise Edition	04
WEB	361 Web Server Administration	04
WEB	411 Web Usability Design	04
WEB	421 Web Portals	04
WEB	431 Enterprise Web Applications	04
WRK	291B Professional Career Strategies	01
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
WEB	231 Server-side Programming	04
WEB	322 Web Application Development Programming	04



**SELECT 1 COURSE FROM THE FOLLOWING:**

WRK	218	Work Experience Project	04
WRKTC	201	Work Experience	04

**GENERAL EDUCATION REQUIREMENTS - 66 HOURS**

ELECT	111A	Scientific Inquiry Elective	04
ELECT	121A	Communication Elective	04
ELECT	121B	Communication Elective	04
ELECT	131A	Global and Cultural Perspectives Elective	04
ELECT	131B	Global and Cultural Perspectives Elective	04
ELECT	141A	Personal and Social Environments Elective	04
ELECT	141B	Personal and Social Environments Elective	04
ENG	101	Composition I	04
ENG	102	Composition II	04
HUM	401A	Philosophy of Ethics	04
INF	161	Technology and Society	02
MTH	111	Introductory Algebra	04
MTH	112A	College Algebra	04
SOC	321	Cultural Diversity	04
SPK	201	Oral Communication	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

PSY	101	Human Relations	04
PSY	111	General Psychology	04

**SELECT 1 COURSE FROM THE FOLLOWING:**

SPK	211	Group Dynamics	04
SPK	401A	Professional Speaking	04

**QUARTER HOURS REQUIRED FOR GRADUATION 193**

## POSTBACCALAUREATE CERTIFICATE

### PROJECT MANAGEMENT AND PLANNING

#### Postbaccalaureate Certificate

This postbaccalaureate certificate prepares an individual for immediate application of the knowledge, skills, tools, and techniques that are utilized in the practice of project management. The philosophy as well as the set of methods learned in this program will enable graduates to lead projects completing them on time and within budget. This program will help prepare students for formal project management certification.

BACHELOR DEGREE OR APPROVED EQUIVALENT OF 180 QUARTER HOURS FROM AN ACCREDITED INSTITUTION IN ORDER TO ENROLL IN A POSTBACCALAUREATE CERTIFICATE PROGRAM.

*Program Requirements: Bachelor Degree*



Course Number	Course Title	Quarter Hours
<b>REQUIREMENTS - 28 HOURS</b>		
PPM 301	Project Management	04
PPM 311	Project Planning	04
PPM 321	Negotiation Strategies	04
PPM 401	Project Cost and Budget Management	04
PPM 411	Leading Project Teams	04
PPM 421	Contracting and Procurement for Project Managers	04
PPM 499	Senior Design Project in Project Management	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>28</b>



## ELECTIVES

### COMPUTER INFORMATION SYSTEMS ELECTIVES

Course Number	Course Title	Quarter Hours
<b>INFORMATION SYSTEMS ELECTIVES</b>		
<b>ELECT 105A</b>	<b>Information Systems Elective</b>	
<b>ELECT 105B</b>	<b>Information Systems Elective</b>	
<b>ELECT 105C</b>	<b>Information Systems Elective</b>	
CIS 119A	iSeries CL and File Design	04
CIS 132A	RPG IV	04
CIS 233A	Advanced RPG IV	04
CIS 311	Advanced Visual BASIC	04
CIS 404	Advanced Computer Architecture	04
CIS 421B	Database Administration I	04
CIS 422	Database Administration II	04
CS 241	Java Programming	04
CS 242	Advanced Java Programming	04
CS 346	Programming for Security	04
CS 391	Research in Computer Science	04
CS 406	Operating System Development	04
CS 422A	Database Programming I	04
CS 423	Database Programming II	04
DMD 131	Introduction to Graphic Imaging	04
SPN 103	Spanish III	04
WEB 111B	Introduction to HTML	04
WEB 121A	World Wide Web Design	04
WEB 131	Web Development I	04
WEB 132	Web Development II	04
WEB 201	Web MultiMedia	04
WEB 211	Web Scripting	04
WEB 221	Interactive Web Design	04
WEB 241	ActionScript Programming	04

### INFORMATION TECHNOLOGY ELECTIVES

<b>ELECT 107A</b>	<b>Information Technology Elective</b>	
<b>ELECT 107B</b>	<b>Information Technology Elective</b>	
<b>ELECT 107C</b>	<b>Information Technology Elective</b>	
<b>ELECT 107D</b>	<b>Information Technology Elective</b>	
<b>ELECT 107E</b>	<b>Information Technology Elective</b>	
<b>ELECT 107F</b>	<b>Information Technology Elective</b>	
CIS 211	Information Technology Customer Service and Support	04
CSC 221B	Routing and Switching Essentials	08
CSC 222	Cisco Wireless Networking	04
CSC 223	Cisco Voice Networking	04
CSC 231B	Scaling Networks	08
CSC 241A	Connecting Networks	08
CSC 301	Cisco Healthcare IT	04
EET 111A	Electrical Technology	04
EET 115D	DC Circuits	04
EET 136	Digital Circuits I	04
EET 216	Digital Circuits II	04
ITS 111	Introduction to Information System Security	04
ITS 221	VPN/Firewall Architecture and Management I	04
ITS 222	VPN/Firewall Architecture and Management II	04
ITS 341	Scripting for Network Administrators	04
LUX 211	Shell Programming	04
LUX 261	Linux/Unix System Administration I	04
LUX 262	Linux/Unix System Administration II	04
LUX 263	Linux/Unix System Administration III	04
MNP 202	Microsoft Windows Server Administration II	04
MNP 203	Microsoft Windows Server Administration III	04
MNP 211	Configuring Windows Server 2008 Active Directory	04
MNP 221	Configuring Windows Server 2008 Network Infrastructure	04
MNP 231	Administering Windows Server 2008	04
MNP 301	Implementing and Maintaining Microsoft SQL Server	04
MNP 311	Configuring Microsoft Office Sharepoint Server	04
MNP 321	Configuring Microsoft Exchange Server	04

MNP 401	Configuring Windows Server 2008 Applications Infrastructure	04
MNP 411	Windows Server 2008 Enterprise Administrator	04
NET 211	Wireless Networking	04
NET 224	Advanced Routers and Routing	04
NET 226A	Designing Internetwork Solutions	04
VCP 201	VMware vSphere: Install, Configure, Manage	04
VCP 202	VMware View: Install, Configure, Manage	04
VCP 211	VMware vSphere: Troubleshooting	04
VCP 212	VMware vSphere: Manage for Performance and Security	04

### GENERAL EDUCATION ELECTIVES

Course Number	Course Title	Quarter Hours
<b>COMMUNICATION ELECTIVES (Associate Degree)</b>		
<b>ELECT 120A</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04

### COMMUNICATION ELECTIVES (Bachelor Degree)

<b>ELECT 121A</b>	<b>Communication Elective</b>	
<b>ELECT 121B</b>	<b>Communication Elective</b>	
ENG 221	Critical Writing and Literary Analysis	04
ENG 231	Language and Culture	04
ENG 311	Creative Writing	04
ENG 411	Foundations of Mass Communication	04
LIT 301	Contemporary Literature	04
LIT 331	American Literature I	04
LIT 332	American Literature II	04
WRI 115	Workplace Communication	04
WRI 301A	Report Writing	04

### COMPUTER LITERACY ELECTIVES

<b>ELECT 161A</b>	<b>Computer Literacy Elective</b>	
<b>ELECT 161B</b>	<b>Computer Literacy Elective</b>	
<b>ELECT 161C</b>	<b>Computer Literacy Elective</b>	
INF 112	Word Processing	02
INF 113	Electronic Spreadsheets	02
INF 114A	Introduction to Database Applications	02
INF 121	Introduction to Windows	02
INF 141A	Microsoft PowerPoint	02

### GLOBAL AND CULTURAL PERSPECTIVES ELECTIVES (Bachelor Degree)

<b>ELECT 131A</b>	<b>Global and Cultural Perspectives Elective</b>	
<b>ELECT 131B</b>	<b>Global and Cultural Perspectives Elective</b>	
ECN 301	International Economics	04
GEO 101B	World Geography I	04
GEO 102B	World Geography II	04
HIS 301	Women's Studies	04
HIS 351	World History I	04
HIS 352	World History II	04
HIS 353	World History III	04
HIS 354	World History IV	04
HIS 411	Emerging Nations	04
HUM 101B	Art and Architecture I (Antiquity to Renaissance)	04
HUM 102B	Art and Architecture II (Baroque to Modern)	04
HUM 353	Art Appreciation	02
HUM 357	Music Appreciation	02
ITP 111	American Sign Language I	04
ITP 112	American Sign Language II	04
POL 401	International Relations	04
SOC 341	Global Perspectives	04
SPN 101	Spanish I	04
SPN 102	Spanish II	04
SPN 103	Spanish III	04

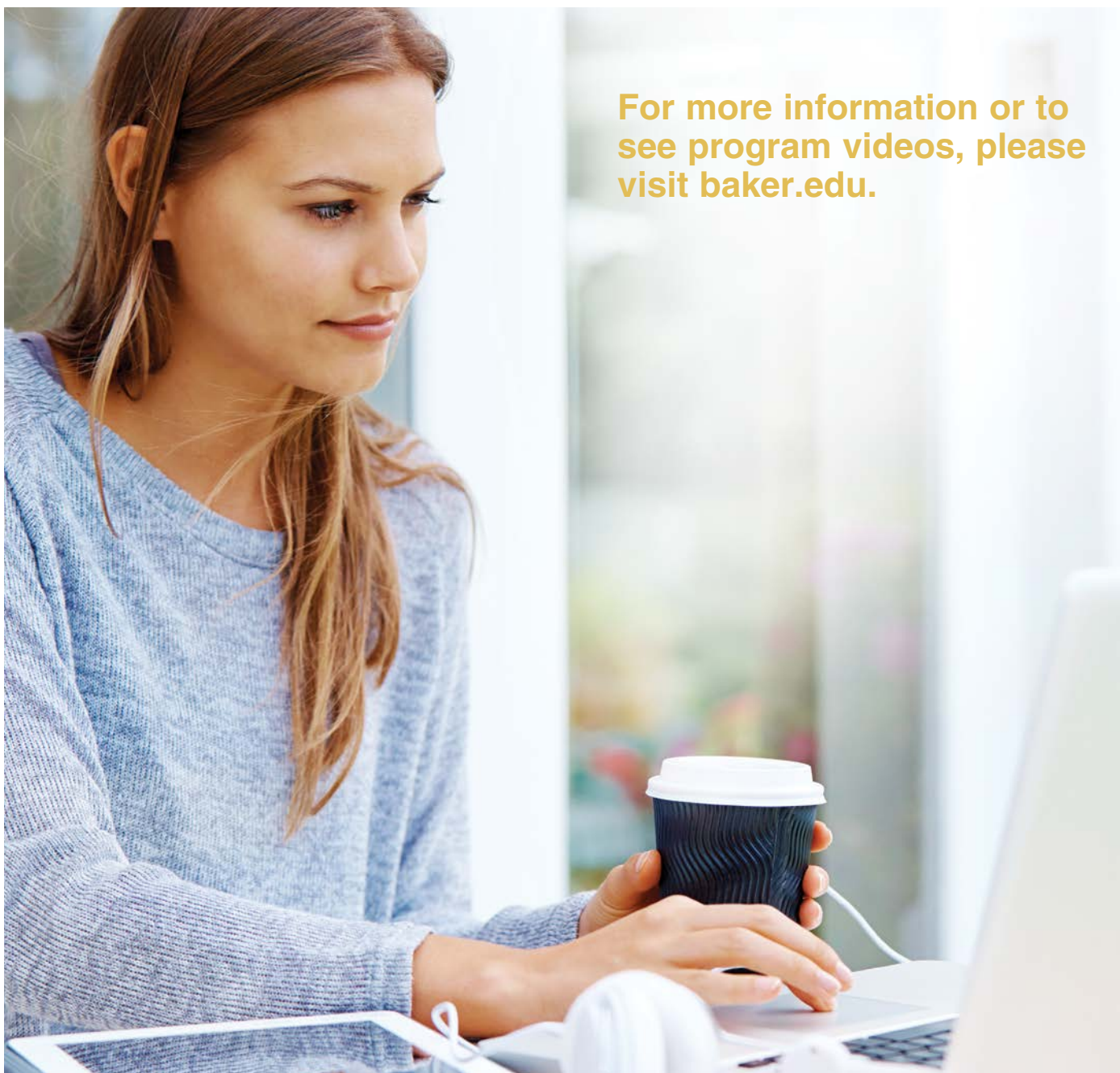
**PERSONAL AND SOCIAL ENVIRONMENTS ELECTIVES** (Bachelor Degree)

<b>ELECT</b>	<b>141A</b>	<b>Personal and Social Environments Elective</b>	
<b>ELECT</b>	<b>141B</b>	<b>Personal and Social Environments Elective</b>	
ECN	201	Principles of Macroeconomics	04
ECN	202	Principles of Microeconomics	04
POL	201A	American Political Systems	04
PSY	211	Psychology of Death and Dying	04
PSY	221	Developmental Psychology	04
PSY	231	Organizational Psychology	04
PSY	335	Human Sexuality	04
PSY	351	Adolescent Psychology	04
PSY	401	Social Psychology	04
SOC	201	Sociology	04
SOC	301	Social Problems	04

**SCIENTIFIC INQUIRY ELECTIVES** (Bachelor Degree)

<b>ELECT</b>	<b>111A</b>	<b>Scientific Inquiry Elective</b>	
SCI	101C	Human Anatomy and Physiology I	05
SCI	111	Biology	05
SCI	215	Integrated Physics	04
SCI	220A	Microbiology	05
SCI	246	Chemistry I	04
SCI	251	General Physics I	04
SCI	321	Principles of Astronomy	04
SCI	451	Environmental Science	04

**For more information or to  
see program videos, please  
visit [baker.edu](http://baker.edu).**





**15**

GRADUATE  
PROGRAMS

IN

**5**

GROWING  
INDUSTRIES



BUSINESS ADMINISTRATION



COMPUTER INFORMATION SYSTEMS



SCHOOL OF EDUCATION



HEALTH SCIENCES



PSYCHOLOGY



# **GRADUATE ACADEMIC INFORMATION**

(PAGES 184-189)

---

# **GRADUATE PROGRAM COURSE LISTS**



(PAGES 190-196)



## **BAKER** *Center for Graduate Studies*

The online, and campus based, graduate programs developed by the Baker Center for Graduate Studies share two common characteristics: They are designed to provide you with the knowledge, skills, and career tools you'll need to succeed in today's professional environment, and their flexible structure accommodates the schedules and responsibilities of busy, working adults.





# GRADUATE PROGRAMS



## MASTER DEGREES

### Master of Business Administration (MBA)

* Accounting .....	PG. 190
* Business Intelligence .....	PG. 190
* Finance .....	PG. 192
* General Business .....	PG. 192
* Healthcare Management .....	PG. 192
* Human Resource Management .....	PG. 193
* Information Systems .....	PG. 193
* Leadership Studies .....	PG. 194
* Marketing .....	PG. 194

Master of Occupational Therapy (MOT) .....	PG. 195
--	---------

### Master of Science in Educational Effectiveness (MSEE)

P-12 Concentration .....	PG. 191
Higher Education Concentration .....	PG. 191

Master of Science in Industrial/Organizational Psychology (MSIOP) .....	PG. 193
---	---------

### Master of Science in Information Systems (MSIS)

Business Intelligence .....	PG. 190
Information Systems .....	PG. 194

Master of Science in Nursing .....	PG. 195
------------------------------------	---------

## Doctoral Degree

Doctorate of Business Administration (DBA) .....	PG. 196
--	---------



International Assembly for Collegiate Business Education • IACBE.org  
 Baker College has received specialized accreditation for its business programs through the International Assembly for Collegiate Business Education (IACBE) located at 11374 Strang Line Road in Lenexa, Kansas. Web Address: [www.iacbe.org](http://www.iacbe.org). The business programs designated with an asterisk (\*) are accredited by the IACBE.



# WHY BAKER CENTER FOR GRADUATE STUDIES?

## PURPOSE

The Center for Graduate Studies offers graduate programs providing advanced preparation in the fields of Business, Education, Information Systems, 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 discipline. Graduate education provides students with the opportunity to increase knowledge, broaden understanding, and develop specialized skills beyond the baccalaureate degree.

## ADMINISTRATIVE LEADERSHIP

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 Chief Executive Officer for the Center for Graduate Studies and the Graduate Faculty Council.

## GRADUATE FACULTY COUNCIL

The Graduate Faculty Council, comprised of graduate faculty, is the primary channel of communication between the graduate faculty and the Chief Executive Officer. 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 activity for graduate-level students and faculty.

## ACADEMIC OUTCOMES ASSESSMENT

Graduate students may be required to take standardized entrance, progress, or exit examinations. Students progressing through the program will be assessed by a variety of methods as established by course instructors and the Center for Graduate Studies. The College agrees not to violate student privacy as it uses this information to improve the program for future students and to evaluate the effectiveness of delivery.

## ACCREDITATIONS

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 Assembly for Collegiate Business Education (IACBE). The Occupational Therapy program has additional accreditation through The Accreditation Council for Occupational Therapy Education (ACOTE).

## RECOGNIZED ACCREDITATION STATEMENT

Applicants to the Baker College Center for Graduate Studies must hold an undergraduate degree from a regionally accredited educational institution as recognized by the American Council on Education in order to be eligible for admission. Applicants with an undergraduate degree from an educational institution nationally accredited by Transnational Association of Christian Colleges and Schools may be admitted to the College on conditional status if all other graduate requirements for admission are fulfilled.

## ACCEPTANCE OF TRANSFER CREDIT

The Center for Graduate Studies welcomes transfer students into our graduate programs. Because Baker College recognizes the expediency of understandable and universally accepted standards related to transfer of academic credit, the following policies are established for transfer credit:

- Baker College will accept no more than 16 quarter hours (12 semester hours) of transfer credit into graduate programs.
- Only classes with a B (3.00) grade or higher will be eligible for transfer consideration.
- To transfer successfully, classes must equate to and be compatible with courses offered by the Center for Graduate Studies.
- Transfer of college credit will not be considered if the work was completed more than five years preceding matriculation.
- To obtain transfer credit, students are required to request that all previous colleges attended forward transcripts to Baker College Center for Graduate Studies.
- Students wishing to receive transfer credit from a foreign/international college or university must submit an official evaluation from a U.S. evaluation company. The evaluation must include the grade and U.S. course equivalency to be considered for transfer credit.

## INTERNATIONAL APPLICANTS

International applicants must possess competence in the English language; both written and oral. English competency is determined by one of the following:

- A score of 570 or higher on the paper version of the Test of English as a Foreign Language (TOEFL).
- A score of 235 or higher on the Internet version of the TOEFL.
- A median score on the Comprehensive English Language Test (CELT).
- DBA students must have a score of 575 or higher on the paper version TOEFL.

Applicants who completed their undergraduate degree at an institution outside of the U.S. must have their transcript/degree evaluated by a company in the United States, such as Educational Credential Evaluators, Inc. or the National Association of Credential Evaluation Services (NACES). The results of the evaluation must be sent from the evaluation company directly to the Center for Graduate Studies. Official evaluations must include U.S. degree equivalency, course grades, and overall GPA. Applicants wishing to study in the U.S. must fulfill student visa requirements and make an advanced tuition deposit (see Tuition Deposit - International Students).

## GRADUATION REQUIREMENTS

Students who have successfully fulfilled the following requirements are eligible to graduate from their program of study:

- Completion of all courses required by the program of study with a grade of C or better.
- Completion of a minimum of 34 quarter hours at Baker College Center for Graduate Studies.
- Achievement of a cumulative GPA of 3.00 or better.
- Submission of an "Application for Graduation Form" one quarter prior to expected graduation.
- Completion of all program requirements within seven years.



# ABOUT GRADUATE PROGRAMS



## MASTER OF BUSINESS ADMINISTRATION

The MBA program at Baker College combines the best of conventional academic training with the best of field-based learning. The typical business disciplines are represented in the curriculum to ensure that graduates have the necessary business background to be conversant with various aspects of running organizations and companies. Graduates will possess the ability to implement theory into practice, conduct and interpret research, and will be both capable and confident to significantly contribute to long-term corporate success.

### MBA ADMISSION INFORMATION

Admission to the MBA program as a degree candidate is classified as either full or conditional status. Conditional status is an enrollment status applicable to students who may be deficient in one of the requirements or standards for matriculation such as undergraduate GPA or another credential required by the program. For applicants admitted on conditional status, the Center for Graduate Studies will specify the conditions for admissions. If the conditions are not met, the student will be dismissed from the program. Application forms and detailed directions are available in the Center for Graduate Studies' Administrative Offices and on the Internet at [www.baker.edu](http://www.baker.edu). Students are admitted on a rolling admission basis and acceptance decisions are determined by the Admission Committee. Candidates applying for matriculation into the MBA program must submit the following materials:

- Completed Graduate College Application form.
- Non-refundable \$25.00 application fee.
- A typed essay (750-1000 words) in response to the following questions:
  - 1) How have your academic work, professional work, and/or life experiences prepared you for the Baker College Center for Graduate Studies program you seek to enter?
  - 2) What are your personal, professional, and/or career goals 5 and 10 years after you earn your Baker College Center for Graduate Studies degree? How will earning this degree help you achieve these goals?
  - 3) What do you view as your greatest strengths and challenges as you begin the graduate journey? How will you utilize your strengths to overcome your challenges in order to successfully complete the graduate program?
- Official college transcripts indicating an undergraduate degree with a GPA of 2.5 or better (4.0 scale) from a regionally accredited college or university. Official college transcripts must be mailed from the institution granting the degree directly to the Center for Graduate Studies.
- A current resume indicating a minimum of three years of full-time, professional work experience.
- GMAT or GRE scores may be submitted if the candidate wants the scores considered in the admission decision.

## MASTER OF 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 MOT 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 discussion, debate, and develop treatment choices based on sound research and theoretical assumptions. Students will demonstrate clinical skills as well as the ability to provide a rationale for treatment and expected outcomes. Students will not only display advanced clinical skills in laboratory settings, but they will also reflect advanced knowledge through scholarly writing by completing a research project under the supervision of a faculty member. The MOT curriculum emphasizes mastery of 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 practitioner research skills are well developed. This program is specifically designed as a continuation of the Bachelor of Health Sciences Pre-Occupational Therapy Program (in the Health Sciences program pages). Transfer students may be considered for admission after analysis of undergraduate prerequisite courses. The six month fieldwork requirement must be met no later than one year after all academic coursework is completed. Graduates of an accredited program will be eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy [NBCOT.] After successful completion of this exam, the individual will be a certified occupational therapist. In addition, the State of Michigan licensure for occupational therapists requires NBCOT certification. A felony conviction may affect a graduate's placement at Level I and Level II clinical sites, ability to sit for the NBCOT certification examination, and attain a Michigan license.

### ACOTE ACCREDITATION

The MOT curriculum meets the current standards mandated by the Accreditation Council for Occupational Therapy Education (ACOTE). The MOT program is fully accredited by ACOTE, a division of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449; 301-652-2682; [www.acoteonline.org](http://www.acoteonline.org).

### MOT ADMISSION INFORMATION

Admission to a graduate degree program as a degree candidate is classified as either full or conditional status. Conditional status is an enrollment status applicable to students who may be deficient in one of the requirements or standards for matriculation such as: pending completion of their bachelor degree, letter of recommendation, or another credential required by the program. For applicants admitted on conditional status, the Center for Graduate Studies will specify the conditions for admissions. If the conditions are not met, the student will be dismissed from the program. Graduate school application forms and detailed directions are available from the administrative offices. Applications and required credentials must be received prior to the deadline to be considered for matriculation. Acceptance decisions are determined by the Admission Committee. Students applying for matriculation into the MOT program must submit the following materials:

- Completed Graduate College Application form.
- Non-refundable \$25.00 application fee.
- A typed essay (750-1000 words) in response to the following questions:
  - 1) How have your academic work, professional work, and/or life experiences prepared you for the Baker College Center for Graduate Studies program you seek to enter?
  - 2) What are your personal, professional, and/or career goals 5 and 10 years after you earn your Baker College Center for Graduate Studies degree? How will earning this degree help you achieve these goals?
  - 3) What do you view as your greatest strengths and challenges in order to successfully complete the graduate program?
- Official college transcripts indicating an undergraduate degree in a health related discipline containing specific pre-OT courses. A cumulative GPA of 2.5 or better on a 4.0 scale. The applicant's undergraduate degree must be from a regionally accredited college or university. Official college transcripts must be mailed from the institution granting the degree directly to the Center for Graduate Studies.
- GRE scores may be submitted if the student wants the scores considered in the admissions decision.







---

## MASTER OF SCIENCE IN EDUCATIONAL EFFECTIVENESS

The Master Degree of Educational Effectiveness at Baker College provides educational leaders with the knowledge and skills necessary to manage and lead educational organizations in this era of accountability. The typical educational leadership components including organizational development, budgeting, community relations and ethics are taught through a lens of data analysis and continuous improvement to ensure maximum student learning. Trends in research, technology and best practices are also included. Graduates will possess the ability to implement theory into practice, conduct and interpret research, and will be both capable and confident to significantly contribute to long-term success.

### MSEE ADMISSIONS INFORMATION

Admission to the MSEE program as a degree candidate is classified as either full or conditional status. Conditional status is an enrollment status applicable to students who may be deficient in one of the requirements or standards for matriculation such as: undergraduate GPA, letter of recommendation, or another credential required by the program. For applicants admitted on conditional status, the Center for Graduate Studies will specify the conditions for admissions. If the conditions are not met, the student will be dismissed from the program. Application forms and detailed directions are available in the Center for Graduate Studies' Administrative Offices and on the Internet at [www.baker.edu](http://www.baker.edu). Students are admitted on a rolling admission basis and acceptance decisions are determined by the Admission Committee. Candidates applying for matriculation into the MSEE program must submit the following materials:

- Completed Graduate College Application form.
- Non-refundable \$25.00 application fee.
- A typed essay (500-1000 words) addressing the candidate's reasons for entering the program.
- Official college transcripts indicating an undergraduate degree with a GPA of 2.5 or better (4.0 scale) from a regionally accredited college or university. Official college transcripts must be mailed from the institution granting the degree directly to the Center for Graduate Studies.
- A current resume indicating a minimum of three years of full-time, professional work experience.
- GRE scores may be submitted if the candidate wants the scores considered in the admission decision.

---

## MASTER OF SCIENCE IN INDUSTRIAL / ORGANIZATIONAL PSYCHOLOGY

A Master Degree in Industrial/Organizational Psychology identifies and provides students with a critical path for professional development, credibility in the field, as well as a clear and defined professional identity in their area of specialization in psychology. 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 professional psychologist, but rather to apply psychological principles for organizational success.

### I/O PSYCHOLOGY ADMISSION INFORMATION

Admission as a degree candidate is classified as either full or conditional status. Conditional status is an enrollment status applicable to students who may be deficient in one of the requirements or standards for matriculation such as: undergraduate GPA, letter of recommendation, or another credential required by the program. For applicants admitted on conditional status, the Center for Graduate Studies will specify the conditions for admissions. If the conditions are not met, the student will be dismissed from the program. Application forms and detailed directions are available in the Center for Graduate Studies' Administrative Offices and on the Internet at [www.baker.edu](http://www.baker.edu). Students are admitted on a rolling admission basis and acceptance decisions are determined by the Admission Committee. Candidates applying for matriculation into the I/O PSY program must submit the following materials:

- Completed Graduate College Application form.
- Non-refundable \$25.00 application fee.
- A professional essay (750-1000 words). Specific directions for the essay are accessible via the Internet at [www.baker.edu](http://www.baker.edu).
- Official college transcripts indicating an undergraduate degree with a GPA of 3.5 or better (4.0 scale) from a regionally accredited college or university. Official college transcripts must be mailed from the institution granting the degree directly to the Center for Graduate Studies.
- GMAT or GRE scores may be submitted if the candidate wants the scores considered in the admission decision.

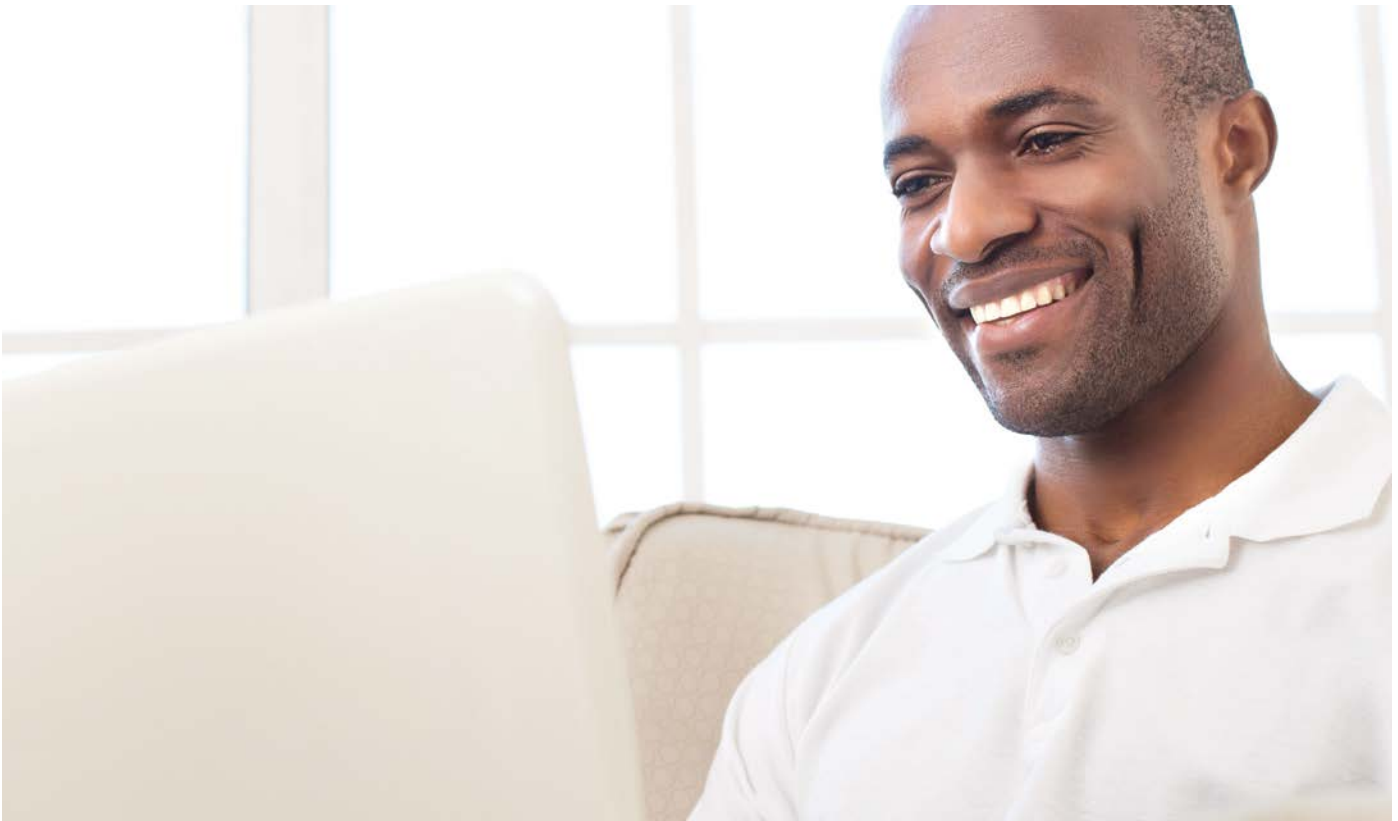
## MASTER OF SCIENCE IN INFORMATION SYSTEMS

Professional information technology management is a complex field requiring a strong, inter-related combination of management and technical skills. Thus, the mission of the MSIS program is to ensure that graduates are properly educated in information systems and management theory and equipped with the skills needed to become effective, responsible, technically competent, and ethical information systems leaders and managers upon graduation. The program is offered completely online, and is tailored to those who are already working in information systems, computer science, or software engineering fields, and who have an undergraduate degree in a related technical area.

### MSIS ADMISSION INFORMATION

The ideal candidate for the Baker College MSIS program will have a Bachelor Degree in Information Systems, Computer Science, Software Engineering or Information Technology and a minimum of 3 years work experience in the Information Technology field. Applications for Provisional Admission are accepted from candidates without a technical undergraduate degree, but who have extensive hands-on work experience in IT. Applications for Provisional Admission are also accepted from candidates without IT work experience, but with a technical undergraduate degree from an accredited institution. With these more restrictive admission standards, we strive to maintain a higher-level of education and subject discourse, with students contributing greatly to the intellectual (and practical) depth of the program. For provisionally admitted students, the Center for Graduate Studies will specify the conditions for admissions. If the conditions are not met, the student will be dismissed from the program. Admission forms and detailed directions are available in the Center for Graduate Studies' Administrative Offices and on the Internet at [www.baker.edu](http://www.baker.edu). Students are admitted on a rolling admission basis. Candidates applying for matriculation into the MSIS program must submit the following materials:

- Completed Graduate College Application form.
- Nonrefundable \$25 application fee.
- A typed essay (750-1000 words) in response to the following questions:
  - 1) How have your academic work, professional work, and/or life experiences prepared you for the Baker College Center for Graduate Studies program you seek to enter?
  - 2) What are your personal, professional, and/or career goals 5 and 10 years after you earn your Baker College Center for Graduate Studies degree? How will earning this degree help you achieve these goals?
  - 3) What do you view as your greatest strengths and challenges as you begin your graduate journey? How will you utilize your strengths to overcome your challenges in order to successfully complete the graduate program?
- Official college transcripts indicating an undergraduate degree, with a GPA of 2.5 or better on a 4.0 scale. Official college transcripts must be mailed from the institution granting the degree directly to the Center for Graduate Studies. If the undergraduate degree is not in a technical/IT discipline, the application will be for Provisional Admission.
- A current resume indicating a minimum of three years of full-time, professional work experience in information technology. If the resume does not show 3 years of IT-related work experience, the application will automatically be for Provisional Admission.
- GRE scores may be submitted if the candidate wants the scores considered in the admission decision, and are recommended for those applying for Provisional Admission.



---

## MASTER OF SCIENCE IN NURSING

The Baker College Master of Science in Nursing (MSN) program offers two tracks—Administrative Track or Education Track—to prepare you for a leadership position in the career field you choose. Each Track builds upon your knowledge and experience by combining advanced nursing knowledge with specialized skills to help you achieve your individual potential. The MSN core curriculum—required for both Tracks—provides a foundation that addresses the challenges of today's healthcare, with courses in leadership and ethics, quality improvement, healthcare technologies, and more. As a student in the MSN Administrative Track, you will also develop the knowledge and skills essential to managing health-related organizations, such as finance, human resources, and quality management. In the MSN Education Track, your courses will include advanced health assessment, pharmacology and pathophysiology along with instructional strategies, curriculum development and evaluation strategies.

Both Tracks combine classroom studies with a practicum in your selected area of interest. By studying under, and working with, industry professionals in real-world environments, you learn how to effectively apply principles, theory, and research to develop your skills and competencies. As a MSN program graduate, you'll have both the knowledge and experience that will enable you to successfully advance in your career.

### MSN ADMISSION INFORMATION

For the Master of Science in Nursing, standard graduate application and review committee procedures apply.

- Completed application for graduate admissions to Master of Science in Nursing
- Payment of non-refundable \$25.00 Application Fee
- Graduate Essay as it pertains to goals in completion of the MSN credential
- Official Transcripts from a regionally accredited institution indicating Bachelor Degree completion with a 2.5 GPA or higher
- Applicants must hold an 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.
- Applicants must include a photocopy of active US or Canadian RN license or a printed page from the licensing state's nursing website or Canadian equivalent verifying licensure status and expiration date.
- A copy of the score report for any GMAT or GRE scores. (While not required for admission, these scores may be used as supporting evidence for admission to the graduate program.)
- Graduate Review Committee Process:
  - Completed admission file will be reviewed by an admissions advisor other than the advisor enrolling the applicant making sure all admissions documents are in the file and verify all documents are authentic and meet minimum requirements.
  - File is assigned to graduate faculty member who reviews academic credentials and graduate essay, and makes recommendation on admissions disposition.
  - File with admissions and faculty recommendation is submitted to program Dean for final review and final admissions entrance recommendation.

---

## DOCTORATE OF BUSINESS ADMINISTRATION

The Doctorate of Business Administration (DBA) program serves the needs of working adults, helping them to advance in their careers through quality graduate education. The program is designed to graduate scholar practitioners who will set the standard for best practice and contribute to the solution of critical business and management problems through research, teaching, and consulting. Specifically, the purposes of the Doctorate in Business Administration at Baker College are to graduate managers, business leaders, executives, and scholar practitioners able to: Contribute to a deeper understanding of business and management processes in an increasingly complex world through applied research, teaching, and scholarship; improve their performance and the quality of their business decisions through reflective practice and lifelong learning; help companies and organizations solve critical problems and foster an environment of performance excellence; make a difference in the life of their organizations, professions, and the larger world-wide community through service to social and professional organizations by conducting themselves in accordance with the highest ethical standards. The program builds on an effective combination of courses, seminars, professional residencies, research papers, and a final dissertation. Working with faculty members, who have extensive academic and practical experiences, students gain a comprehensive understanding of critical foundation theories and the ability to immediately apply creative solutions to existing problems.

### DBA ADMISSION INFORMATION

To be admitted into the program, an MBA degree or equivalent and a minimum of five years professional experience in business or management is required. Candidates applying for matriculation into the DBA program must submit the following materials:

- Completed Graduate College Application form submitted electronically.
- Nonrefundable \$25.00 application fee.
- Official transcripts indicating an MBA or related master degree from a U.S. school accredited by one of the regional accrediting associations, or from a non-U.S. Institution with comparable accreditation. Educational Credential Evaluators, Inc. (ECE) must evaluate a degree awarded from a non-U.S. Institution as equivalent to a master degree awarded by a U.S. institution. A minimum grade point average of 3.25 on a 4.0 scale in their master course work is required.
- A current resume indicating a minimum of five years of professional experience in business, management or administration.
- Include three professional references on the application.
- A 500 - 1000 word essay on your motivation for doctoral study. Essay must be submitted electronically.





## MASTER DEGREE PROGRAMS

### ACCOUNTING

#### Master of Business Administration

The accounting major is a program of advanced accounting classes for managers that 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. Students enrolling in this major must have a minimum of 16-quarter hours of undergraduate accounting. This should include at least eight-quarter hours of principles of accounting and at least four hours of intermediate accounting.



Course Number	Course Title	Quarter Hours
<b>ACCOUNTING MAJOR - 20 HOURS</b>		
BUS 630	Accounting for the Contemporary Manager	04
BUS 631	Taxation	04
BUS 634	Non-Profit Accounting	04
BUS 635	Global Accounting	04
BUS 642	Financial Accounting	04
<b>BUSINESS REQUIREMENTS - 33 HOURS</b>		
BUS 572	Human Resource Management	04
BUS 615	Human Behavior Management of Organizations	04
BUS 640	The Financial Environment	04
BUS 650	The Economic Environment	04
BUS 660	The Marketing Environment	04
BUS 678	Research and Statistics for Managers	04
BUS 690	Strategy in a Global Environment	04
CGS 501	Graduate Seminar	01
MIS 511	Management Information Systems	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>53</b>

### BUSINESS INTELLIGENCE

#### Master of Business Administration

This program has been 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 which 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 manager's organization more effective and efficient.



Course Number	Course Title	Quarter Hours
<b>BUSINESS INTELLIGENCE MAJOR - 20 HOURS</b>		
MIS 511	Management Information Systems	04
MIS 526	Fundamentals of Business Intelligence	04
MIS 531	Database Design and Management	04
MIS 624	Data Warehousing	04
MIS 626	Decision Support and Dashboarding	04
<b>BUSINESS REQUIREMENTS - 33 HOURS</b>		
BUS 572	Human Resource Management	04
BUS 615	Human Behavior Management of Organizations	04
BUS 630	Accounting for the Contemporary Manager	04
BUS 640	The Financial Environment	04
BUS 650	The Economic Environment	04
BUS 660	The Marketing Environment	04
BUS 678	Research and Statistics for Managers	04
BUS 690	Strategy in a Global Environment	04
CGS 501	Graduate Seminar	01
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>53</b>

### BUSINESS INTELLIGENCE

#### Master of Science in Information Systems

The Master of Science in Information Systems degree is designed for information systems professionals responsible for managing the development, acquisition, implementation, and operation of information systems in a variety of organizational settings. The Business Intelligence major offers knowledge and technologies that assist executive decision making and improve organizational productivity. It is designed for those who want to advance their careers in the rapidly growing field of business intelligence.



Course Number	Course Title	Quarter Hours
<b>BUSINESS INTELLIGENCE MAJOR - 16 HOURS</b>		
MIS 526	Fundamentals of Business Intelligence	04
MIS 531	Database Design and Management	04
MIS 624	Data Warehousing	04
MIS 626	Decision Support and Dashboarding	04
<b>MANAGEMENT INFORMATION SYSTEMS REQUIREMENTS - 22 HOURS</b>		
MIS 511	Management Information Systems	04
MIS 521	Information Systems Project Management	04
MIS 611	System Analysis and Design	04
MIS 671	Information Systems Integration Project I	04
MIS 672	Information Systems Integration Project II	06
<b>BUSINESS REQUIREMENTS - 17 HOURS</b>		
BUS 615	Human Behavior Management of Organizations	04
BUS 630	Accounting for the Contemporary Manager	04
BUS 640	The Financial Environment	04
BUS 678	Research and Statistics for Managers	04
CGS 501	Graduate Seminar	01
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>55</b>



### EDUCATIONAL LEADERSHIP: P-12

#### Master of Science in Educational Effectiveness

This graduate program will emphasize 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 practice information, interpret and use data for decision making, and apply continuous improvement processes to the classroom as well as in administration. The goal of the program is developing leaders who strive to create a coherent system 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 P-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 eleven courses are common to both concentrations.



Course Number	Course Title	Quarter Hours
<b>EDUCATIONAL EFFECTIVENESS MAJOR - 41 HOURS</b>		
CGS 501	Graduate Seminar	01
EDU 511	Data Analysis for Educators	04
EDU 521	Assessment and Evaluation for Educators I	04
EDU 522	Assessment and Evaluation for Educators II	04
EDU 523	Research in Education	04
EDU 531	Learning Theory and Instruction for Educational Improvement	04
EDU 601	Leadership for Accountability	04
EDU 602	Organizations, Innovation, and Accountability	04
EDU 603	Faculty Evaluation and Growth to Improve Student Learning	04
EDU 621	Technology for Improving Education	04
EDU 691	Educational Effectiveness Capstone Experience	04
<b>P-12 CONCENTRATION - 12 HOURS</b>		
EDU 611	Fiscal, Facilities, and School Management	04
EDU 612	Public Policy, Values, and Legal and Ethical Issues in Accountability	04
EDU 613	School and Community Relations - Diversity and Communities	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>53</b>

### EDUCATIONAL LEADERSHIP: HIGHER EDUCATION

#### Master of Science in Educational Effectiveness

This graduate program will emphasize 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 practice information, interpret and use data for decision making, and apply continuous improvement processes to the classroom as well as in administration. The goal of the program is developing leaders who strive to create a coherent system 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 P-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 eleven courses are common to both concentrations.



Course Number	Course Title	Quarter Hours
<b>EDUCATIONAL EFFECTIVENESS MAJOR - 41 HOURS</b>		
CGS 501	Graduate Seminar	01
EDU 511	Data Analysis for Educators	04
EDU 521	Assessment and Evaluation for Educators I	04
EDU 522	Assessment and Evaluation for Educators II	04
EDU 523	Research in Education	04
EDU 531	Learning Theory and Instruction for Educational Improvement	04
EDU 601	Leadership for Accountability	04
EDU 602	Organizations, Innovation, and Accountability	04
EDU 603	Faculty Evaluation and Growth to Improve Student Learning	04
EDU 621	Technology for Improving Education	04
EDU 691	Educational Effectiveness Capstone Experience	04
<b>HIGHER EDUCATION CONCENTRATION - 12 HOURS</b>		
EDU 641	Instructional Design for Higher Education	04
EDU 642	Course Facilitation in Higher Education	04
EDU 643	Effective Distance Learning Programs	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>53</b>

**FINANCE****Master of Business Administration**

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



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**FINANCE MAJOR - 20 HOURS**

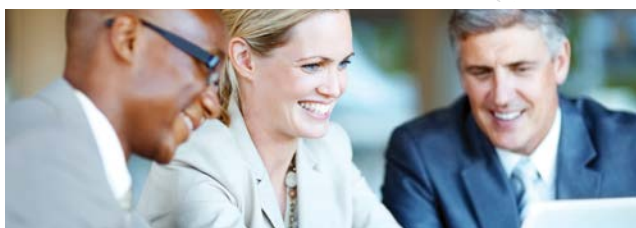
BUS 640	The Financial Environment	04
BUS 641	Money and Banking	04
BUS 642	Financial Accounting	04
BUS 643	International Business Finance	04
BUS 645	Public Finance	04

**BUSINESS REQUIREMENTS - 33 HOURS**

BUS 572	Human Resource Management	04
BUS 615	Human Behavior Management of Organizations	04
BUS 630	Accounting for the Contemporary Manager	04
BUS 650	The Economic Environment	04
BUS 660	The Marketing Environment	04
BUS 678	Research and Statistics for Managers	04
BUS 690	Strategy in a Global Environment	04
CGS 501	Graduate Seminar	01
MIS 511	Management Information Systems	04

**QUARTER HOURS REQUIRED FOR GRADUATION****53****GENERAL BUSINESS****Master of Business Administration**

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 others mentioned in this catalog is that there is no need to declare a major. Students electing this "general" approach to the degree complete the core MBA courses and then select three other courses offered in the graduate school. This allows the most flexibility and is designed for students who do not have a specific need for a major to select from a variety of interesting classes.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**GENERAL BUSINESS MAJOR - 12 HOURS**

ELECT 600A	Elective	04
ELECT 600B	Elective	04
ELECT 600C	Elective	04

**BUSINESS REQUIREMENTS - 37 HOURS**

BUS 572	Human Resource Management	04
BUS 615	Human Behavior Management of Organizations	04
BUS 630	Accounting for the Contemporary Manager	04
BUS 640	The Financial Environment	04
BUS 650	The Economic Environment	04
BUS 660	The Marketing Environment	04
BUS 678	Research and Statistics for Managers	04
BUS 690	Strategy in a Global Environment	04
CGS 501	Graduate Seminar	01
MIS 511	Management Information Systems	04

**QUARTER HOURS REQUIRED FOR GRADUATION****49****HEALTHCARE MANAGEMENT****Master of Business Administration**

Healthcare management has become a vital function in today's economy. With the emphasis on cost, service, and quality of care, the healthcare manager is 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 a successful manager must be conversant with different aspects of running organizations or companies.



Course Number	Course Title	Quarter Hours
---------------	--------------	---------------

**HEALTHCARE MANAGEMENT MAJOR - 24 HOURS**

BUS 750	Healthcare Programs and Policies	04
BUS 752	Healthcare Administration	04
BUS 753	Quality Management in Healthcare Organizations	04
BUS 755	Information Technology Management in Healthcare Organizations	04

BUS 758	Health Law and Ethics	04
BUS 759	Healthcare Finance	04

**BUSINESS REQUIREMENTS - 29 HOURS**

BUS 572	Human Resource Management	04
BUS 615	Human Behavior Management of Organizations	04
BUS 630	Accounting for the Contemporary Manager	04
BUS 650	The Economic Environment	04
BUS 660	The Marketing Environment	04
BUS 678	Research and Statistics for Managers	04
BUS 690	Strategy in a Global Environment	04
CGS 501	Graduate Seminar	01

**QUARTER HOURS REQUIRED FOR GRADUATION****53**





## HUMAN RESOURCE MANAGEMENT

### Master of Business Administration

This program has been designed for persons who work within the personnel or human resource area. In addition to the core business courses, students are exposed to very specific issues that confront the human resource manager every day. Students can expect to be exposed to practitioners in human resource, to the constantly changing roles of various human resource personnel within the field, and 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.



Course Number	Course Title	Quarter Hours
<b>HUMAN RESOURCE MANAGEMENT MAJOR - 20 HOURS</b>		
BUS 571	Compensation and Benefits	04
BUS 572	Human Resource Management	04
BUS 573A	Labor Relations and Conflict Resolution	04
BUS 574A	Strategic Organizational Development	04
BUS 576A	Employee Staffing and Development	04
<b>BUSINESS REQUIREMENTS - 33 HOURS</b>		
BUS 615	Human Behavior Management of Organizations	04
BUS 630	Accounting for the Contemporary Manager	04
BUS 640	The Financial Environment	04
BUS 650	The Economic Environment	04
BUS 660	The Marketing Environment	04
BUS 678	Research and Statistics for Managers	04
BUS 690	Strategy in a Global Environment	04
CGS 501	Graduate Seminar	01
MIS 511	Management Information Systems	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>53</b>

## INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY

### Master of Science in I/O Psychology

A Master Degree in Industrial/Organizational Psychology identifies and provides students with a critical path for professional development, credibility in the field, as well as a clear and defined professional identity in their area of specialization in psychology. 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 professional psychologist, but rather to apply psychological principles for organizational success.



Course Number	Course Title	Quarter Hours
<b>INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY MAJOR - 57 HOURS</b>		
CGS 501	Graduate Seminar	01
PSY 511	History and Systems in Psychology	04
PSY 521	Industrial/Organizational Psychology	04
PSY 531	Tests and Measurements	04
PSY 541	Statistics and Data Analysis	04
PSY 551	Consultation Psychology	04
PSY 561	Research Methods	04
PSY 571	Psychology of Leadership	04
PSY 611	Testing and Assessment in the Workplace	04
PSY 621	Psychology of Performance and Motivation	04
PSY 631	Psychology of Cognition and Learning	04
PSY 641	Psychology of Personnel Management and Human Resources	04
PSY 651	Social Psychology	04
PSY 699	Integrative Capstone in Psychology	04
<b>SELECT 1 COURSE FROM THE FOLLOWING:</b>		
PSY 661	Evidence Based Coaching	04
PSY 671	Industrial/Organizational Psychology Residency	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>57</b>

## INFORMATION SYSTEMS

### Master of Business Administration

This program has been 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 which confront managers every day.



Course Number	Course Title	Quarter Hours
<b>INFORMATION SYSTEMS MAJOR - 20 HOURS</b>		
MIS 511	Management Information Systems	04
MIS 521	Information Systems Project Management	04
MIS 531	Database Design and Management	04
MIS 541	Data Communications and Networking	04
MIS 611	System Analysis and Design	04
<b>BUSINESS REQUIREMENTS - 33 HOURS</b>		
BUS 572	Human Resource Management	04
BUS 615	Human Behavior Management of Organizations	04
BUS 630	Accounting for the Contemporary Manager	04
BUS 640	The Financial Environment	04
BUS 650	The Economic Environment	04
BUS 660	The Marketing Environment	04
BUS 678	Research and Statistics for Managers	04
BUS 690	Strategy in a Global Environment	04
CGS 501	Graduate Seminar	01
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>53</b>



## INFORMATION SYSTEMS

### Master of Science in Information Systems

The Master of Science in Information Systems degree is designed for information systems professionals 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.



Course Number	Course Title	Quarter Hours
<b>INFORMATION SYSTEMS MAJOR - 16 HOURS</b>		
MIS 531	Database Design and Management	04
MIS 541	Data Communications and Networking	04
MIS 601	Information Security	04
MIS 621	Systems Architectures	04
<b>MANAGEMENT INFORMATION SYSTEMS REQUIREMENTS - 22 HOURS</b>		
MIS 511	Management Information Systems	04
MIS 521	Information Systems Project Management	04
MIS 611	System Analysis and Design	04
MIS 671	Information Systems Integration Project I	04
MIS 672	Information Systems Integration Project II	06
<b>BUSINESS REQUIREMENTS - 17 HOURS</b>		
BUS 615	Human Behavior Management of Organizations	04
BUS 630	Accounting for the Contemporary Manager	04
BUS 640	The Financial Environment	04
BUS 678	Research and Statistics for Managers	04
CGS 501	Graduate Seminar	01
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>55</b>

## LEADERSHIP STUDIES

### Master of Business Administration

This program has been designed for individuals who aspire to upper level administrative and management positions. In addition to the core MBA courses, students are exposed to specific leadership issues and theories designed to help develop leaders with vision and problem-solving skills.



Course Number	Course Title	Quarter Hours
<b>LEADERSHIP MAJOR - 20 HOURS</b>		
BUS 615	Human Behavior Management of Organizations	04
BUS 685	Dynamics of Leadership	04
BUS 686	Leadership Theory and Practice	04
BUS 688	Profiles in Leadership	04
BUS 689	Team Leadership and Group Dynamics	04
<b>BUSINESS REQUIREMENTS - 33 HOURS</b>		
BUS 572	Human Resource Management	04
BUS 630	Accounting for the Contemporary Manager	04
BUS 640	The Financial Environment	04
BUS 650	The Economic Environment	04
BUS 660	The Marketing Environment	04
BUS 678	Research and Statistics for Managers	04
BUS 690	Strategy in a Global Environment	04
CGS 501	Graduate Seminar	01
MIS 511	Management Information Systems	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>53</b>

## MARKETING

### Master of Business Administration

This program has been designed for persons who work within the marketing, advertising, or public relations sectors of a company. In addition to the core MBA courses of the program, students are exposed to very specific issues that confront marketing managers everyday. Students enrolling in this major will learn about the various marketing functions within a company.



Course Number	Course Title	Quarter Hours
<b>MARKETING MAJOR - 20 HOURS</b>		
BUS 660	The Marketing Environment	04
BUS 664	International Marketing	04
BUS 666	Marketing Research	04
BUS 667	Promotional Management	04
BUS 668	Distribution Management	04
<b>BUSINESS REQUIREMENTS - 33 HOURS</b>		
BUS 572	Human Resource Management	04
BUS 615	Human Behavior Management of Organizations	04
BUS 630	Accounting for the Contemporary Manager	04
BUS 640	The Financial Environment	04
BUS 650	The Economic Environment	04
BUS 678	Research and Statistics for Managers	04
BUS 690	Strategy in a Global Environment	04
CGS 501	Graduate Seminar	01
MIS 511	Management Information Systems	04
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>53</b>



## NURSING

### Master of Science in 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 to a curriculum 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 the education and competencies needed to function in a rapidly changing healthcare environment.

Accreditation Status: 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 is not yet accredited.



Course Number	Course Title	Credit Hours
<b>Nursing Core - 24 Hours</b>		
NUR 511	Advanced Practice Nursing Roles	04
NUR 521	Organization, Delivery & Policy in Healthcare	04
NUR 531	Nursing Theory & Research [Statistics Required]	04
NUR 541	Informatics and Healthcare Technologies	04
NUR 551	Quality Improvement, Outcomes Management, & Population Health	04
NUR 561	Nursing Leadership & Ethical Standards	04

### NURSING ADMINISTRATION CONCENTRATION - 26 HOURS

BUS 572	Human Resource Management	04
BUS 753	Quality Management in Healthcare Organizations	04
BUS 758	Health Law and Ethics	04
BUS 759	Healthcare Finance	04
NUR 643	Foundations of Nursing Administration	04
NUR 686	Practicum in Nursing Administration	06

### TOTAL CREDITS REQUIRED FOR MSN NURSING

<b>ADMINISTRATION (CORE PLUS PRE-REQUISITES)</b>	<b>50</b>
--	-----------

### NURSING EDUCATION CONCENTRATION - 28 HOURS

NUR 611	Advanced Health Assessment & Pharmacology	04
NUR 612	Advanced Pathophysiology & Pharmacology	04
NUR 621	Instructional Strategies for Nursing Education	04
NUR 622	Curriculum Development for Nursing Education	04
NUR 623	Evaluation Strategies for Nursing Education	04
NUR 671	Teaching Practicum Classroom/Online	04
NUR 681	Practicum in Nursing Education	04

### QUARTER HOURS REQUIRED FOR MSN NURSING

<b>EDUCATION (CORE PLUS PRE-REQUISITES)</b>	<b>52</b>
---	-----------

## OCCUPATIONAL THERAPY

### Master of 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 MOT 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 discussion, debate, and develop treatment choices based on sound research and theoretical assumptions. The Master of Occupational Therapy curriculum emphasizes mastery of 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 practitioner's research skills are well developed.

### Program Status: Limited Enrollment



Course Number	Course Title	Quarter Hours
<b>OCCUPATIONAL THERAPY MAJOR - 44 HOURS</b>		
OCC 501	Program Planning/Intervention (Childhood)	05
OCC 505	Assessment and Treatment Interventions for Mental Health Practice	04
OCC 511	Occupational Therapy Research	04
OCC 512	Qualitative and Quantitative Research Techniques	04
OCC 513	Independent Study in Occupational Therapy Research	04
OCC 521	Upper Extremity Anatomy	04
OCC 522	Splinting and Related Hand Therapy Topics	04
OCC 530	Case Based Clinical Reasoning	06
OCC 541	Leadership and Management Roles in Occupational Therapy Practice	04
OCC 561	Level I Fieldwork (Psychological and Social Factors)	04
OCC 691	Graduate Seminar in Certification Preparation	01
<b>CLINICAL FIELDWORK REQUIREMENTS - 12 HOURS</b>		
OCC 571	Occupational Therapy Level II Fieldwork	06
OCC 572	Occupational Therapy Level II Fieldwork	06
<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>56</b>





## DOCTORAL DEGREE PROGRAM

### BUSINESS ADMINISTRATION

#### Doctorate of Business Administration

Structured as a 90 quarter credit program, the DBA curriculum blends taught interdisciplinary content and research seminars with assessed scholarly and professional development activities, including attendance at two professional residencies. 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 in more 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 his or her area of interest in the third year. Students may choose from six areas of specialization or design their own specialized field of study.



Course Number	Course Title	Quarter Hours
<b>DOCTORAL CORE REQUIREMENTS - 42 HOURS</b>		
BUS 800	Doctoral Seminar in Information Proficiency	02
BUS 801	The Scholar Practitioner	04
BUS 810	Leading 21st Century Organizations	04
BUS 811	Managing in a World-Wide Context	04
BUS 812	Knowledge Management and Information Systems	04
BUS 813	Quality Improvement and Organizational Change	04
BUS 814	Corporate and Personal Ethics	04
BUS 840	Statistics for Executives	04
BUS 841	Introduction to Research Design	04
BUS 844	Defining the Dissertation Research Problem and Research Question	04

#### SELECT 1 COURSE FROM THE FOLLOWING:

BUS 842	Designing a Qualitative Dissertation Study	04
BUS 843	Designing a Quantitative Dissertation Study	04

#### DOCTORAL SPECIALTY REQUIREMENTS - 8 HOURS

BUS 860	Doctoral Specialization Seminar I	04
BUS 870	Doctoral Specialization Seminar II	04

#### PROFESSIONAL RESIDENCY REQUIREMENTS - 4 HOURS

BUS 880	First Year Professional Residency	02
BUS 881	Second Year Professional Residency	02

#### COMPREHENSIVE/QUALIFYING ASSESSMENT REQUIREMENTS - 8 HOURS

BUS 890A	Professional Development I	02
BUS 891A	Professional Development II	02
BUS 892	Comprehensive Essay	02
BUS 893	Qualifying Paper	02

#### DISSERTATION REQUIREMENTS - 28 HOURS

BUS 894	Dissertation Proposal I	04
BUS 895	Dissertation Proposal II	04
BUS 896B	Dissertation I	04
BUS 897B	Dissertation II	04
BUS 898B	Dissertation III	04
BUS 899B	Dissertation IV	04
BUS 900	Dissertation V	04

<b>QUARTER HOURS REQUIRED FOR GRADUATION</b>		<b>90</b>
--	--	-----------



**For more information or to see program videos, please visit [baker.edu](http://baker.edu).**

