GRADUATES EMPLOYED WITHIN 6 MONTHS OF GRADUATION: 94%

MORE THAN 100 ACADEMIC PROGRAMS:
- Certificates
- Technical diplomas
- Associate’s degrees

EDUCATION FACTS:
- 5,793 credit students
- 200 bed residence hall
- AVERAGE CLASS SIZE: 13
- Median Age of Credit Students: 22
- Top 10 colleges where students transfer:
  1. University of Wisconsin - La Crosse
  2. Viterbo University
  3. Winona State University
  4. Minnesota State College Southeast
  5. University of Wisconsin - Stout
  6. University of Wisconsin - Eau Claire
  7. University of Wisconsin - Oshkosh
  8. University of Wisconsin - Milwaukee
  9. Western Governor’s University
  10. University of Minnesota - Twin Cities

MORE THAN 655 TRANSFER STUDENTS

DEMOGRAPHICS:
- 45% MALE
- 55% FEMALE

100% OF FACULTY HAVE WORKED IN THE FIELD THAT THEY TEACH
Since I have enrolled at Western, I have become an overall better student thanks to the guidance of my instructors. Western conveys a standard for strong academic integrity and that has been evident to me since my first day as a student!

Evan Whalen, 2019-20 Western Technical College Student Ambassador

8,974 credits for prior learning were awarded to those who have work experience and other college credit

$522,000 Provided in Scholarships
Scholarships Awarded 933

2,397 Dual Credit Students
Dual Credits Awarded 8,215

66% OF PROGRAM STUDENTS RECEIVE FINANCIAL AID

Compare Tuition Costs

Western $3,665
UW Colleges $4,750
UW 4-year $6,995
UW-Madison $9,273
Avg. WI Private $23,547

2017-2018 Tuition Data. Source: www.collegecalc.org
All programs provide relevant, hands-on classroom experience—whether it’s preparing food, doing lab work, exploring green technologies, or creating a business plan. Western classroom and laboratory spaces feature the latest technology.
Western’s residence hall offers convenient and secure on-campus housing.
JOIN A TEAM

Western Women’s Basketball Team advanced to the National Tournament.
Western’s athletes are known as the Cavaliers. Varsity athletics include men’s baseball and basketball and women’s basketball and volleyball.
Western is committed to community engagement partnerships. These community-based collaborations grow communities, strengthen learning experiences while producing civic-minded graduates.
Western’s Learning Commons is a full-service library and learning area. Enjoy a comfy communal area, ample study spaces, electronic resources, and full-time academic support staff in health science, math, and communications.
Bring credit with you  Get Credit for Prior Learning gained through high school dual credit, work experience, military training and service, and other college courses.

Flexible Options  Choose the format that fits your life – full-time, part-time, evenings, face-to-face, online, or a blend of formats.

Brush-up Coursework  Build your skills in reading, writing, spelling, grammar, problem-solving, and math through the Learner Support and Transition office. Or, earn your high school credential.

Our open enrollment philosophy means we meet you where you are and offer flexible options to get you where you want to go.

Academic Calendar  Western operates on a trimester system, with three equal 15-week terms.

2019-2020 Dates

<table>
<thead>
<tr>
<th>FALL TERM</th>
<th>SPRING TERM</th>
<th>SUMMER TERM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classes start: Sept. 3</td>
<td>Classes start: Jan. 13</td>
<td>Classes start: May 11</td>
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<tr>
<td>Thanksgiving break: Nov. 28-30</td>
<td>Spring break: Mar. 5-Mar. 7</td>
<td>Classes end: Aug. 22</td>
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<tr>
<td>Classes end: Dec. 14</td>
<td>Classes end: Apr. 24</td>
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</tbody>
</table>
University Transfer

Start a four-year university education at a fraction of the cost!

With a variety of transfer options, you can start here and earn credits toward a bachelor’s degree from one of many four-year universities.

Choose from these options:

- **Associate of Science-Liberal Arts (ASLA) Transfer Programs**
  The ASLA transfer programs are designed to help you on the path to a bachelor’s degree whether you are undecided in your career choice, have a specific career in mind, or would like to earn a two-year transfer degree.

  ASLA options include:
  - **General Studies Pathway** - If you’re not sure what major you want to pursue, this is a great, cost-effective way to get started. You will be placed into a cohort group of students who take set general education classes together for the first year.
  - **Engineering Pathway** - This 2+2 transfer agreement with Viterbo University allows you to take general studies and engineering intro classes at Western, then transfer all 64 credits directly into Viterbo’s Engineering bachelor’s degree as a junior.
  - **Associate of Science-Liberal Arts (ASLA) Full Degree** - The ASLA Transfer Degree is a two-year degree designed to provide you with 60 credits of general education credits commonly accepted for transfer into a wide range of bachelor’s degree programs at four-year colleges and universities.

- **Course-by-Course**
  Select the higher-level general studies courses you need to complete your degree at another college or university. This is a great way to save on tuition if you’re taking a semester off or are home for the summer. This option is not eligible for Financial Aid.

- **Transfer Agreements by Program**
  Several of Western’s associate degree programs transfer directly into specific bachelor degree programs. Check the individual program pages for university transfer agreements available for that particular program.
Types of Degrees

From certificates that build technical skills and knowledge, to diplomas and degrees designed for post-graduate success, Western offers hands-on training and the accredited education you need to start your career.

**Associate’s Degree**
- 60 or more credits
- Typically takes two years to complete (full-time)

**Technical Diploma**
- Up to 70 credits
- Typically takes 1-2 years to complete (full-time)

**Certificate**
- Entry-level credential for quick employment
- Credits vary
- Typically takes less than one year

**Apprenticeship**
- Emphasizes on-the-job training under supervision of a qualified tradesperson
- Most programs are 3-6 years in length

Career Pathways

Career Pathways allow you to come in and out of college and build your education as you plan your career advancement. Using short-term education options based on stackable credits, you have the flexibility to continue your education at your own pace. As you enter a career pathway, your classes build toward industry-recognized certificates, diplomas, or associate’s degrees that give you additional employment options.

See the following section for program descriptions and look for the graphic below to identify pathways.
# Table of Contents

Accounting ................................................................. 28  
Accounting Assistant ............................................. 28  
Administrative Professional ...................................... 20  
Agri-Business Science ............................................ 13  
Air Conditioning, Heating & Refrigeration Technology ........................................ 15  
Animal Science Technician ........................................ 13  
Apprenticeship ......................................................... 47  
Architectural Technology ......................................... 15  
Associate of Science - Liberal Arts (ASLA) ................. 12  
Automation Systems Technology ............................. 52  
Automotive Maintenance & Light Repair Technician - Level 1 .................................... 65  
Automotive Service Technician - Level 2 ..................... 65  
Automotive Technician ............................................... 65  
Basic Machining ....................................................... 54  
Basic Welding ........................................................... 57  
Bio-Medical Electronics ............................................ 62  
Building Science & Energy Management .................. 16  
Business Analyst....................................................... 21  
Business Management ............................................ 22  
Business Requirements Specialist ............................ 21  
Business Specialist .................................................. 22  
Cabinetmaking .......................................................... 18  
Central Service Technician ....................................... 30  
CNC Operator ........................................................... 55  
Computer Aided Design (CAD) Technician ................ 62  
Criminal Justice ........................................................ 48  
Criminal Justice-Law Enforcement 720 Academy ....... 48  
Culinary Assistant ..................................................... 39  
Culinary Management .............................................. 39  
Customer Service Representative ............................ 60  
Dental Assistant ....................................................... 30  
Diesel & Heavy Equipment Technician ...................... 66  
Diesel & Heavy Equipment Technician Assistant .......... 66  
Digital Marketing ..................................................... 58  
Digital Marketing Specialist .................................... 58  
Digital Media Production ......................................... 19  
Early Childhood Education ...................................... 41  
Educational Assistant ............................................. 27  
Electromechanical Maintenance Technician ............... 53  
Electromechanical Technology .................................. 53  
Electronic & Computer Engineering Technology - CET ........................................... 63  
Electronic & Computer Engineering Technology - EET ........................................... 63  
Emergency Medical Technician - Advanced ............... 50  
Emergency Medical Technician - Basic ...................... 50  
Emergency Medical Technician - Paramedic ............... 51  
Entrepreneurship ..................................................... 23  
Farm Business & Production Management ............... 14  
Financial Services ................................................... 29  
Financial Services Representative ............................ 29  
Fire Protection Technician ....................................... 49  
Food Industry Aide ................................................... 38  
Food Preparation Assistant ..................................... 38  
Foundations of Teacher Education .......................... 27  
Gerontology ............................................................ 41  
Graphic Design ....................................................... 19  
Health Information Technology ............................... 31  
Health Office Assistant .......................................... 26  
Health Office Professional ...................................... 26  
Horticulture Plant Health Care ................................ 14  
Hospitality Management ........................................ 40  
Human Resource Management ............................... 23  
Human Services Associate ....................................... 42  
Individualized Technical Studies (ITS) ....................... 43  
Industrial Machine Controls .................................... 52  
IT - Computer Support Specialist ............................. 44  
IT - Computer Support Technician ............................ 44  
IT - Network Systems Administration ....................... 45  
IT - Network Technician .......................................... 45  
IT - Web & Software Developer ............................... 46  
Journeyworker ......................................................... 47  
Landscape Horticulture Technician ........................... 14  
Leadership Development ........................................ 25  
Leadership Essentials ............................................ 24  
Leadership & Supervision Professional ..................... 24  
Manufacturing Systems Maintenance Technician ........ 56  
Marketing Management ........................................ 59  
Mechanical Design Technology ................................ 64  
Mechanical Maintenance ........................................ 55  
Medical Administrative Professional ....................... 26  
Medical Assistant .................................................... 31  
Medical Coding Specialist ....................................... 32  
Medical Laboratory Technician ................................ 32  
Nursing ................................................................. 33  
Nursing Assistant .................................................... 34  
Occupational Therapy Assistant .............................. 34  
Office Support Specialist ......................................... 20  
Paralegal ............................................................... 49  
Paramedic Technician .............................................. 51  
Pharmacy Technician ............................................... 35  
Physical Therapist Assistant ..................................... 35  
Precision Machining & Programming ....................... 55  
Radiography ........................................................... 36  
Refrigeration, Air Conditioning & Heating Service Technician ................................ 17  
Respiratory Therapist .............................................. 36  
Robotic Welding & Fabrication Specialist .................... 54  
Sales Fundamentals ................................................. 60  
Sales Management .................................................. 61  
Sales Representative ............................................... 60  
Solar Installation Technician ..................................... 16  
Surgical Technology ............................................... 37  
Welding & Fabrication .............................................. 57  
Wood Tech .............................................................. 18
If you’re considering a four-year college or university, consider this: earning an Associate of Science-Liberal Arts degree at Western could save you 40 percent over the cost of a four-year university in Wisconsin, and it’s one-sixth the cost of the average private college. You could save thousands of dollars, take on much less debt, and graduate with the same degree! If you have a particular college or university in mind, you’ll want to check out how your credits will transfer before enrolling.

The Associate of Science-Liberal Arts degree program provides a solid foundation in what is typically known as “general education.” If you are undecided about a major, this degree program will expose you to a wide variety of courses and help you develop insight into which career areas you’d like to explore further. The curriculum is comparable to the coursework offered in the first or second year of a four-year college program and includes English, math, science, history, social sciences, the humanities, and wellness.

Western offers pathways within the ASLA program. See page 9 for details.

### English (Minimum of 6 Credits)
- 20801201 English 1 3
- 20801203 English 2 3
- 20801240 Creative Writing 3
- 20801244 Creative Writing - Nonfiction 3

### Speech (Minimum of 3 Credits)
- 20810201 Public Speaking 3

### Social Science (Minimum of 6 Credits)
- 20809231 General Psychology 3
- 20809203 Principles of Sociology 3
- 20809202 Social Problems 3
- 20809221 American National Government 3
- 20809211 Principles of Macroeconomics 3
- 20809212 Principles of Microeconomics 3
- 20809262 Contemporary Moral Problems 3

### Health & Wellness (Minimum of 1 Credit)
- 20807201 Total Fitness 1

### History (Minimum of 3 Credits)
- 20803225 The World in the 20th Century 3
- 20803211 American History (1607-1865) 3
- 20803212 American History (1865-Present) 3
- 20803214 Native American History 3

### Diversity/Ethnic Studies (Minimum of 3 Credits)
- 20809217 Race, Class, Gender 3
- 20809283 Cultural Anthropology & Diversity 3
- 20801212 Ethnic Literature 3

### Mathematics (Minimum of 8 Credits)
- 20804212 College Algebra 4
- 20804231 Calculus & Analytic Geometry 1 5
- 20804240 Basic Statistics 4
- 20804229 Math Analysis 5
- 20804232 Calculus & Analytic Geometry 2 5
- 20804211 Quantitative Reasoning 4

### Math & NonLab Science (Minimum of 3 Credits)
- 20804233 Calculus 3 5
- 20806220 Physics of Everyday Life 3
- 20806280 Environmental Issues 4
- 20806230 Statics 3
- 20804255 Techn in Ordinary Diff. Equations 4
- 20804256 Elementary Matrix & Linear Alg 4
- 20804213 Trigonometry 4

### Lab Science (Minimum of 9 Credits)
- 20806223 University Phys 1 - Calc Based 5
- 20806244 University Phys 2 - Calc Based 5
- 20806221 College Physics I 5
- 20806209 College Chemistry I 5
- 20806212 College Chemistry 2 5
- 20806234 General Biology 4
- 20806207 Anatomy & Physiology I 4
- 20806208 Anatomy & Physiology II 4
- 20806286 Environmental Science 4

### Humanities (Minimum of 6 Credits)
- 20801204 Introduction to Literature 3
- 20809260 Introduction to Philosophy 3
- 20809223 Introduction to World Religions 3
- 20805227 Music Appreciation 3
- 20815200 Introduction to Art History 3
- 20815210 Art History: Renaissance to Modern 3
- 20801217 American Literature: Beg-1865 3
- 20801218 American Literature: 1865-Pres 3
- 20809265 Philosophy of the Arts 3

### Foreign Language (Minimum of 4 Credits)
- 20802211 Spanish 1 4
- 20802212 Spanish 2 4

### Electives (Minimum of 8 Credits)
- 20804209 College Success 1
- 20809201 Study Abroad Experience 3
- 20809202 Career Development 1
- 20809267 Philosophy of Leadership 3
- 20809270 Critical Analysis 1
- 20809261 Leadership: Philosophy & Vision 1
- 20809262 Leadership: Serving & Empowering 1
- 20809263 Leadership: Conflict & Change 1
- 10623260 Introduction to Engineering 3
- 10623261 Basic Engineering Design 2
- 20804238 Intro to MATLAB 1

### Program Credits 60
Typical Start: Fall, Spring, Summer
## Agri-Business Pathway

### Agri-Business Science

**Associate of Applied Science**

Agriculture is changing and it’s changing fast. Farmers today have to compete in a global economy and keep pace with some of the most sophisticated technology available. For the person with an interest in crop and livestock production, as well as a talent for the technical side of the business, this field needs you!

Through the Agri-Business and Science Technology program, you’ll develop valuable skills to help farmers and farm managers increase profitability and efficiency or help you in the management of your own farm operation. Feed and fertilizer plants, grain elevator merchants, and farm supply businesses are all looking for people with knowledge of agribusiness. Opportunities also exist in the areas of conservation, consulting, and farm management. This degree program includes an internship in agribusiness.

<table>
<thead>
<tr>
<th>Term</th>
<th>Credits</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</table>

**Program Credits**: 62

**Gainful Employment Information**: www.westerntc.edu/agribusiness-technician-ge

### Animal Science Technician

**Technical Diploma**

A broad overview of animal science, including reproduction and health, will prepare you for working with livestock in an animal management system. Areas covered include nutrition, ration balancing, heat detection, disease prevention, and artificial insemination. This program also explores the use of technology in the field.

<table>
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<td>Third Term</td>
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</table>

**Program Credits**: 33

**Gainful Employment Information**: www.westerntc.edu/animal-science-tech-ge
Farm Business & Production Management  
**Technical Diploma**

Technological advances, crop and livestock production, government regulations, commodity prices, and environmental concerns all affect the farmer’s bottom line.

The Farm Business and Production Management program is designed for people involved in farming who want to incorporate new and best practices. Instruction includes classroom, workshops, and on-farm experiences and activities. One major topic is emphasized each year with a five-year rotation of classes. Graduates who wish to continue after the first five-years are encouraged to enroll in advanced courses. Students may join at any point during the cycle. Classroom sessions are usually held November through March with workshops and on-farm instruction taking place throughout the calendar year. All classes in the Farm Business and Production management program include instruction on financial analysis and management of the farming operation.

**First Term Credits**
- 30090333 Crop Management 3
- 30090343 Farm Records & Analysis 3
- 30090373 Livestock/Farmstead Equip Mgmt 3
- 30090363 Livestock Nutrition 3
- 30090323 Soils Management 3

**Program Credits**
15

**Typical Start:** Fall

---

**Horticulture Plant Health Care**  
**Certificate**

Green thumbs wanted! Prepare to enter the green industry with a certificate in Horticulture Plant Health. The program offers a broad view of plants and plant health issues. You will learn plant identification, turf management, care of ornamentals, and characteristics of various soils.

All students will test for the State of Wisconsin Pesticide Applicators License as part of the class.

Upon completion of this certificate program, students are ready to enter the workforce or move into Western’s Landscape Horticulture Technician Technical Diploma program.

**First Term Credits**
- 10001158 Woody Plant Identification 3
- 10001159 Survey of Herbaceous Plants 3

**Second Term Credits**
- 10001110 Turf Management 3
- 10001113 Ornamental Plant Health Care 3

**Program Credits**
12

**Typical Start:** Fall

---

**Landscape Horticulture Technician**  
**Technical Diploma**

With an interest in creating, designing, building, and otherwise improving outdoor spaces, you’ll have many opportunities in the field of landscape horticulture.

A combination of creativity and technical knowledge of plants and soils, along with a desire to work outdoors, means you can find employment in a number of fields, including landscape design, landscape construction, and landscape maintenance. You could find yourself working in a greenhouses or garden center, a golf course, an outdoor sporting venue, or on a park or maintenance crew. You might even choose to go into business for yourself. And, you could be ready to enter your career within one year!

The nature of the Landscape Horticulture program demands that much of the learning takes place in the field and in Western’s on-campus Horticulture Education Center. You’ll learn to evaluate landscape construction systems, determine suitability of plants for placement, understand turf management, identify common landscape pests, identify soils and correct soil deficiencies, all with principles of sustainability in mind. Additionally, you will gain experience in our state-of-the-art greenhouse facility.

**First Term**
- 10001158 Woody Plant Identification 3
- 10001159 Survey of Herbaceous Plants 3
- 10001111 Intro to Horticulture 3
- 10001132 Landscape Construction 3
- 10001139 Organic Plant Production 2

**Second Term**
- 10001110 Turf Management 3
- 10001113 Ornamental Plant Health Care 3
- 10001127 Landscape Maintenance 2 2
- 10001148 Horticulture Production 3
- 10001118 Irrigation Maintenance 2
- 10001123 Landscape Design 3

**Program Credits**
32

**Typical Start:** Fall

**Gainful Employment Information:**
[www.westerntc.edu/landscape-hort-tech-ge](http://www.westerntc.edu/landscape-hort-tech-ge)
Air Conditioning, Heating & Refrigeration Technology  

Associate of Applied Science

The job market is strong for technicians in the areas of air conditioning, heating, and refrigeration (also known as HVAC). This could be perfect for you if you have mechanical skills as well as an interest in technology. Technicians are involved in a number of areas including design, sales, installation, maintenance, and service of commercial heating, air conditioning, and refrigeration equipment.

In today’s environment, special attention is also paid to air quality issues, energy conservation, and computerized temperature control. You will learn how to determine the best heating and cooling system for a particular environment, how to gain maximum efficiency from that system, and troubleshooting. In addition to classroom instruction, learning will take place in Western’s heating, air conditioning, refrigeration, electrical, and installation labs. You will shadow a technician and may also intern at a local business for valuable real-world experience.

Air Conditioning, Heating & Refrigeration Technology  

#106011

Associate of Applied Science

First Term

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<tr>
<td>10601102</td>
<td>HVACR Air Hand, Psych &amp; IAQ</td>
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<tr>
<td>10601107</td>
<td>HVACR Forced Air Htg</td>
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<tr>
<td>10601108</td>
<td>HVACR Res Htg &amp; Cool Loads</td>
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<tr>
<td>10601116</td>
<td>HVACR Electric Motors &amp; Ctrl</td>
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Second Term

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<td>10809198</td>
<td>Intro to Psychology</td>
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<td>10601121</td>
<td>HVACR Intro to Installation</td>
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<td>10601122</td>
<td>HVACR Commercial Refrig</td>
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<td>10601125</td>
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Fourth Term

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<td>10809166</td>
<td>Intro to Ethics: Theory &amp; App</td>
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<td>10809196</td>
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<td>10601112</td>
<td>HVACR Basic CAD</td>
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<tr>
<td>10601134</td>
<td>HVACR Energy</td>
<td>2</td>
</tr>
<tr>
<td>10601137</td>
<td>HVACR Hydronic &amp; Steam Syst</td>
<td>4</td>
</tr>
</tbody>
</table>

Program Credits 64
Typical Start: Fall

This HVAC program is PAHRA accredited (Partnership for Air-Conditioning, Heating, Refrigeration Accreditation). www.pahrahvacr.org/

Architectural Technology  

#106141

Associate of Applied Science

Architecture is a blend of art, science, beauty and practicality. As an architectural technician, you will learn how to design residential and commercial buildings that are functional, environmentally appropriate, and economically feasible. Consider this program if you have excellent computer skills and a strong interest in building and design. Heavy emphasis is placed on Building Information Modelling (BIM) and Computer Aided Design (CAD), with the practical aspects of choosing building materials, estimating, structural principles, and building systems also covered. A capstone project takes the student from preliminary building proposals through the preparation of construction documents.

Architectural Technology  

#106141

Associate of Applied Science

First Term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>10614102</td>
<td>History &amp; Theory of Archi</td>
<td>2</td>
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<tr>
<td>10614106</td>
<td>ArchiCAD</td>
<td>3</td>
</tr>
<tr>
<td>10614109</td>
<td>Intro to Archi Design</td>
<td>4</td>
</tr>
<tr>
<td>10614115</td>
<td>Building Science and Materials</td>
<td>3</td>
</tr>
<tr>
<td>10804107</td>
<td>College Mathematics</td>
<td>3</td>
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Second Term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10801113</td>
<td>English Composition 1</td>
<td>3</td>
</tr>
<tr>
<td>10614122</td>
<td>Architecture Drafting - Residential</td>
<td>4</td>
</tr>
<tr>
<td>10614124</td>
<td>Structural Drafting – Residential</td>
<td>3</td>
</tr>
<tr>
<td>10614149</td>
<td>Bldg Estimating</td>
<td>3</td>
</tr>
<tr>
<td>10801196</td>
<td>Oral/Interpersonal Comm</td>
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Third Term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>10801197</td>
<td>Technical Reporting</td>
<td>3</td>
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<tr>
<td>10809199</td>
<td>Psych of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>10614132</td>
<td>Architectural Drafting – Commercial</td>
<td>4</td>
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<tr>
<td>10614133</td>
<td>Architectural Detailing</td>
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<td>10614134</td>
<td>Structural Drafting- Commercial</td>
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<tr>
<td>10614143</td>
<td>Architectural Practice</td>
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Fourth Term

<table>
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<th>Course Code</th>
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<tr>
<td>10809195</td>
<td>Economics</td>
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<tr>
<td>10614135</td>
<td>Structural Analysis</td>
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</tr>
<tr>
<td>10614136</td>
<td>Architectural Bldg Info Management</td>
<td>2</td>
</tr>
<tr>
<td>10614142</td>
<td>Architectural Capstone</td>
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</tr>
<tr>
<td>10614148</td>
<td>Building Systems</td>
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</tr>
</tbody>
</table>

Program Credits 63
Typical Start: Fall
Building Science & Energy Management Pathway

Solar Installation Technician #614815 Certificate

Solar energy is a growing industry in western Wisconsin. The Solar Installation Technician certificate is designed to address the needs of regional utility power suppliers that offer renewable energy options, as well as private companies that provide solar solutions for residential, commercial, non-profit, and government sectors.

Western has several solar panel systems that not only provide power to buildings, but offer the perfect, real-life training opportunity.

This certificate is a pathway into the Building Science and Energy Management associate’s degree, which can lead to career advancement opportunities.

Building Science & Energy Management #104815 Associate of Applied Science

In the United States, buildings represent one of our biggest energy consumers. As a result, buildings have been targeted for energy reduction strategies to reduce cost and dependence on carbon based fuels. Building Science and Energy Management will examine the built environment and how it relates to energy using the latest research, tools, and technology available. You will gain hands-on experience working with community projects and in living laboratories in Western’s state-of-the-art facilities, including Western’s Passive House Instructional Facility. Study topics include energy auditing, energy management, renewable energy systems, and integrated design.

The focus of the program is to prepare you for entry-level work in the growing renewable energy, energy efficiency, and building systems industry. Having these unique skills will give you a leg-up in a competitive job market.

### Solar Installation Technician Certificate

<table>
<thead>
<tr>
<th>Term</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>First Term</td>
<td>10480101 Renewable Energy Overview</td>
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<tr>
<td></td>
<td>10480111 Photovoltaic Design &amp; Install 1</td>
<td>3</td>
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<tr>
<td></td>
<td>10410105 Construction Fundamentals</td>
<td>2</td>
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<tr>
<td></td>
<td>10481100 Intro to Energy Efficiency &amp; Mgmt</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>10804107 College Mathematics</td>
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<tr>
<td>Second Term</td>
<td>10480112 Photovoltaic Design &amp; Install 2</td>
<td>3</td>
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<tr>
<td></td>
<td>10481105 Energy Modeling 1</td>
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<tr>
<td></td>
<td>10481106 Intro to Building Science</td>
<td>3</td>
</tr>
<tr>
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<td>10481109 Intro to Building Envelope Analysis</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>10806112 Principles of Sustainability</td>
<td>3</td>
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<tr>
<td>Third Term</td>
<td>10801195 Written Communication</td>
<td>3</td>
</tr>
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<td>10809198 Intro to Psychology</td>
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### Building Science & Energy Management Associate of Applied Science

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<td>Third Term</td>
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<td>10809198 Intro to Psychology</td>
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<td>Fourth Term</td>
<td>10481107 High Performance Buildings</td>
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<td>10481108 Energy Modeling 2</td>
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<td>10801196 Oral/Interpersonal Comm</td>
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<td>Fifth Term</td>
<td>10660164 Energy Storage Solutions</td>
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<td>10481114 Energy Mgmt Capstone</td>
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<td>10481113 Project Investment Appraisal</td>
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<td>10809195 Economics</td>
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</table>

### Program Credits

- **First Term:** 14 credits
- **Typical Start:** Fall
- **Fourth Term:** 14 credits
- **Typical Start:** Fall
- **Fifth Term:** 14 credits
- **Typical Start:** Fall
- **Program Credits:** 60 credits

Typical Start: Fall
Refrigeration, Air Conditioning & Heating Service Technician

Technical Diploma

There will always be a need for technicians skilled in the installation, maintenance, and repair of heating and cooling appliances and refrigeration equipment. With new emphasis on energy conservation, a concern for air quality, and the environmental impact of cooling agents, demand has grown for personnel trained in the latest technology.

With this training, you’ll be ready for an entry-level position working on residential and commercial units. Opportunities can be found as a service tech for a dealer of air conditioning, refrigeration, and heating systems, in building maintenance, or in manufacturing. This program includes a job shadowing experience.

First Term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10601101</td>
<td>HVACR Refrigeration</td>
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<tr>
<td>10601102</td>
<td>HVACR Air Hand, Psych &amp; IAQ</td>
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<tr>
<td>10601107</td>
<td>HVACR Forced Air Htg</td>
<td>4</td>
</tr>
<tr>
<td>10601108</td>
<td>HVACR Res Htg &amp; Cool Loads</td>
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<tr>
<td>10601116</td>
<td>HVACR Electric Motors &amp; Ctrls</td>
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Second Term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10601121</td>
<td>HVACR Intro to Installation</td>
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<tr>
<td>10601122</td>
<td>HVACR Commercial Refrig</td>
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<tr>
<td>10601125</td>
<td>HVACR Air Conditioning</td>
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<tr>
<td>10601128</td>
<td>HVACR Job Shadow</td>
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<tr>
<td>31801330</td>
<td>Applied Comm Skills</td>
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<tr>
<td>31804337</td>
<td>Applied Math - HVAC/Refrig</td>
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</table>

Program Credits 30

Typical Start: Fall

Gainful Employment Information:
www.westerntc.edu/refrig-ac-heat-tech-ge

This HVACR program is PAHRA accredited (Partnership for Air-Conditioning, Heating, Refrigeration Accreditation). www.pahrahvacr.org
Wood Tech Pathway

Certificate

Cabinetmaking #614101
Certificate

Get started in cabinetmaking with this introduction to design concepts and construction methods. Courses cover woodworking tools and machinery, safety, cabinetmaking fundamentals, finishing techniques, and construction. Working with the latest technology, you will construct various types of commercial and residential cabinetry in a lab environment.

Technical Diploma

Wood Tech #314102
Technical Diploma

Our Wood Tech program helps you build on your knowledge and develop your skills to prepare for employment in the fields of construction and cabinet making.

You’ll study fundamentals of building design, site development, building layout operations, concrete applications, cabinet design and construction, and materials used in the construction and cabinetmaking industries. You’ll be instructed in safe and proper use of hand tools, portable power tools, and stationary power equipment. In addition, you’ll have the opportunity to apply framing, interior finishing, and exterior finishing techniques at actual jobsites, and work on commercial framing and finishing projects in the cabinet shop and framing lab. Related mathematics, blueprint reading, estimating, building science principles, and OSHA 10 are part of the training.

Graduates are ready for a variety of careers, including cabinetmaking, residential and commercial carpentry, general construction, working at building supply stores or lumberyards, and other positions in the construction industry.

First Term Credits
31409311 Fundamentals of Woodworking 2
31409323 Residential Cabinetmaking 5
31409325 Commercial Cabinetmaking 3
Program Credits 10
Typical Start: Fall

First Term Credits
31409311 Fundamentals of Woodworking 2
31409323 Residential Cabinetmaking 5
31409325 Commercial Cabinetmaking 3
31410303 Fund of Bldg Construction 1
31410319 Blueprint Reading 1 1
31804315 Applied Math 1- Wood 1
31804316 Applied Math 2- Wood 1

Second Term Credits
31410329 Blueprint Reading 2 1
31410339 Blueprint Reading 3 1
10410101 OSHA for Woods 1
31410321 Interior Trim 1 2
31410389 Interior Trim 2 3
10614300 Building Science 1
31410360 Commercial Systems 1
31410366 Framing Tech 1 3

Third Term Credits
31410338 Estimating Bids & Specs 1
31410358 Framing Tech 2 5
31410368 Exterior Trim 3
Program Credits 36
Typical Start: Fall, Summer

Gainful Employment Information:
www.westerntc.edu/wood-tech-ge
Digital Media Production  #107012
Associate of Applied Science

A love of video, photography, art, and computers is a great foundation for working as a digital media producer. Advertising agencies, marketing firms, the film industry, businesses, government, and education all need effective communicators to craft and target messages for internal and external audiences.

An important link in this system is the digital media professional, who prepares the visuals and audio used in successful media projects. They are responsible for the operation and maintenance of equipment used in creating videos, advertisements, presentations, and other forms of communications. You may be involved in preparing video, digital photography, animation, illustration, and motion graphics for various formats, including the web.

Western provides hands-on instruction in industry-leading applications and equipment. Graduates may find employment with television stations, video production houses, educational settings, industry training departments, and government agencies.

First Term | Credits
--- | ---
10801196 Oral/Interpersonal Comm | 3
10201185 Adobe Photoshop | 3
10203125 Digital Photography | 3
10206110 Intro to Media Production | 3
10206111 Intro to Motion Graphics | 3

Second Term | Credits
--- | ---
10201112 Design Fundamentals | 3
10201109 Adobe Illustrator | 3
10801136 English Composition 1 | 3
10206124 Audio Productions | 3
10701101 Foundations of Video Production | 3

Fourth Term | Credits
--- | ---
10809196 Intro to Sociology | 3
10804123 Math w Business Apps | 3
10104109 Social Media Strategies | 3
10701110 Advanced Video Production | 3
10206112 Compositing & Video Effects | 3

Graphic Design  #102011
Associate of Applied Science

Graphic designers have a passion for art, design, and high-impact visual communication. They also have excellent computer skills. Businesses and organizations depend on effective brand and marketing communications, including logos, signage, brochures, packaging, advertising, and website design.

Western’s Graphic Design program is well known for its comprehensive approach to design. You’ll conceive, create, and produce designs for print and electronic media. First-year courses introduce graphic design industry software, typography, and design fundamentals. Second-year students apply and develop these skills in a unique, hands-on instructional setting that blends marketing and advertising concepts with design. The final semester is dedicated to portfolio development and career readiness.

Career opportunities include graphic designers and graphic artists with advertising agencies, printing companies, corporate marketing departments, publishers, and public relations firms. Opportunities also exist in web and app design. Some graphic designers work as freelancers. Your earning potential increases with extended and varied work experience.

First Term | Credits
--- | ---
10201104 Publication Design 1 | 3
10201109 Adobe Illustrator | 3
10201112 Design Fundamentals | 3
10201118 Drawing | 3
10801136 English Composition 1 | 3

Second Term | Credits
--- | ---
10201114 Publication Design 2 | 3
10201122 Designing with Type | 3
10201123 Web Design 1 | 3
10201185 Adobe Photoshop | 3
10801198 Speech | 3
10804123 Math w Business Applications | 3

Fourth Term | Credits
--- | ---
10201128 Illustration Concepts | 3
10201132 Web Design 2 | 3
10201136 Graphic Design & Marketing | 3
10809199 Psychology of Human Relations | 3
10809166 Intro to Ethics: Theory & App | 3

Fifth Term | Credits
--- | ---
10201145 Graphic Design-Advertising | 3
10201149 Graphic Design Portfolio | 3
10201156 Comprehensive Design & Tblshtng | 3
10201142 Web Design 3 | 3
10809196 Intro to Sociology | 3

Program Credits | 63

Typical Start: Fall
As an office support specialist, you are the person who keeps things running efficiently. You will use your skills to communicate with customers and other team members, perform essential office tasks, create business correspondence and presentations, and use business software to create databases and spreadsheets. You could use desktop publishing, electronic presentation, or word processing software to create internal and external marketing pieces.

Virtually every business benefits from having an efficient and competent office staff. You will have opportunities in a wide variety of settings.

Required courses are taught in the classroom, online, and in a blended format.

You may choose to continue on a career pathway by ladder ing your credits into the Administrative Professional associate’s degree for increased career and earning potential.

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With the right skills and a positive attitude, you can be indispensable! As an administrative professional, you have a variety of responsibilities to help an office run smoothly. You are a good communicator with excellent computer skills who enjoys working with a variety of people and taking on whatever challenges come your way. In this career, you could be planning events, creating presentations, making basic spreadsheets, formatting business correspondence, or training others on computers or software.

Students learn the latest office technology, develop communication skills, learn database and spreadsheet functions, and are introduced to basic business principles. Field experience is part of the curriculum.

Courses are offered in a traditional face-to-face environment, online format, through interactive distance learning, or a blend of the formats. You choose your educational experience.
Business Analyst Pathway

<table>
<thead>
<tr>
<th>Business Analyst</th>
<th>#101021</th>
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</thead>
<tbody>
<tr>
<td>Associate of Applied Science</td>
<td></td>
</tr>
<tr>
<td>Put your critical thinking skills to work as a business analyst. Our program teaches you how to effectively communicate with stakeholders and gather information necessary to identify business requirements and offer solutions, while recognizing opportunities for improvement. You will work closely with stakeholders to help steer the business to success and profitability. As a graduate of this program, your skills will be in demand in many industries, including healthcare, manufacturing, insurance, and finance. Classes are offered in a convenient online format with the working adult in mind. Whether you’re looking to enter the field or expand your marketable talents, the Business Analyst program could be the key to your success.</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>First Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10102210 Bus Analyst Professionalism</td>
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</tr>
<tr>
<td>10102211 Strategy Development</td>
<td>3</td>
</tr>
<tr>
<td>10154102 Software Apps for Business</td>
<td>3</td>
</tr>
<tr>
<td>10801196 Oral/Interpersonal Communications</td>
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<table>
<thead>
<tr>
<th>Second Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10102212 Discovery and Needs Analysis</td>
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</tr>
<tr>
<td>10102213 Requirements Documentation</td>
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<tr>
<td>10102214 Communication Planning &amp; Validation</td>
<td>2</td>
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<tr>
<td>10152118 Applied SQL</td>
<td>3</td>
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<td>10801136 English Composition 1</td>
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<table>
<thead>
<tr>
<th>Third Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10102215 Data Utilization for Business</td>
<td>3</td>
</tr>
<tr>
<td>10196189 Team Building &amp; Problem Solving</td>
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</table>

| Program Credits | 30 |

Typical Start: Fall

Gainful Employment Information: www.westerntc.edu/bus-analyst-ge

<table>
<thead>
<tr>
<th>Business Requirements Specialist</th>
<th>#311026</th>
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<tbody>
<tr>
<td>Technical Diploma</td>
<td></td>
</tr>
<tr>
<td>Business requirements are the critical activities that must be performed to meet specific business objectives. This technical diploma will provide you with the knowledge and skills needed to collect and document customer requirements for solution implementation, as well as collaborate with multiple stakeholders throughout the process. Graduates are prepared to work in multiple industries and professions. All credits earned in the Business Requirements Specialist program apply toward the Business Analyst associate’s degree for increased employment and earning potential.</td>
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<thead>
<tr>
<th>First Term</th>
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<tbody>
<tr>
<td>10102210 Business Analyst Professionalism</td>
<td>3</td>
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<td>10102211 Strategy Development</td>
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<td>10154102 Software Applications for Business</td>
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<tr>
<td>10102212 Discovery and Needs Analysis</td>
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<td>10196189 Team Building &amp; Problem Solving</td>
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</tbody>
</table>

| Program Credits | 30 |

Typical Start: Fall

Gainful Employment Information: www.westerntc.edu/bus-req-specialist-ge
Gain a strong foundational understanding of business management as well as enhanced skills in leadership, business communication, critical thinking, and problem solving with Western's Business Specialist technical diploma. This program emphasizes fundamental business knowledge through exposure to broad areas such as human resources, finance, marketing, and business law.

You'll walk away with relevant skills and abilities to achieve your professional and personal goals. This technical diploma program is a pathway to the Business Management associate's degree for those who are interested in further advancement. Courses are offered entirely online or in a blended format that combines classroom and online learning.

**First Term**
- 10102137 Business Professionalism 3
- 10102108 Entrepreneurship Explor & Mindset 3
- 10154102 Software Applications for Business 3
- 10801136 English Composition 1 3

**Second Term**
- 10102126 Business Financials 3
- 10102134 Principles of Management 3
- 10102127 Customer Growth Strategies 3
- 10116117 Introduction to Human Resources 3

**Third Term**
- 10104114 Marketing Principles 3
- 10102130 Business Law 3

**Fourth Term**
- 10102114 Operations Management 3
- 10102123 Global E-Commerce 3
- 10102122 Entrepreneurship Bus Canvas 3
- 10809195 Economics 3

**Fifth Term**
- 10102143 Professional Profile Development 3
- 10102133 Business Management Capstone 3
- 10809198 Introduction to Psychology 3
- 10801196 Oral/Interpersonal Communication 3

**Program Credits**
- 30

**Typical Start:** Fall, Spring

Gainful Employment Information:
www.westerntc.edu/bus-specialist-ge

Increase your options with a Business Management degree. Our program provides a broad background in all aspects of business management, including business management theory, finance and accounting, human resources, software applications, marketing, e-commerce, and business law.

Your depth of knowledge will be demonstrated with a capstone project, which is reviewed by local business professionals. Plus, you’ll develop a portfolio that will pave the way to a professional career. The Business Management Program can be taken in a format that combines classroom and online learning or entirely online.

Upon graduation, the world of entry-level management positions will be open to you, or if you wish to open your own business, continue your education with our embedded Entrepreneurship certificate.

**First Term**
- 10102137 Business Professionalism 3
- 10102108 Entrepreneurship Explor & Mindset 3
- 10154102 Software Applications for Business 3
- 10801136 English Composition 1 3

**Second Term**
- 10102126 Business Financials 3
- 10102134 Principles of Management 3
- 10102127 Customer Growth Strategies 3
- 10116117 Introduction to Human Resources 3

**Third Term**
- 10104114 Marketing Principles 3
- 10102130 Business Law 3

**Fourth Term**
- 10102114 Operations Management 3
- 10102123 Global E-Commerce 3
- 10102122 Entrepreneurship Bus Canvas 3
- 10809195 Economics 3

**Fifth Term**
- 10102143 Professional Profile Development 3
- 10102133 Business Management Capstone 3
- 10809198 Introduction to Psychology 3
- 10801196 Oral/Interpersonal Communication 3

**Program Credits**
- 60

**Typical Start:** Fall, Spring
Entrepreneurship  #311452
Technical Diploma

In this program, you’ll gain the knowledge and skills necessary to establish and manage an independent small business. The course offers a comprehensive look at all aspects of business, including enterprise planning and entrepreneurship, challenges of the small business, hiring employees, capitalization and investment, taxes, business law and regulations, e-commerce, and home businesses.

This technical diploma is also a great addition to any Western program if you are thinking about opening your own business.

First Term Credits
10102202 Bus - Community Resources 1
10102204 Bus - Ownership Strategies 1
10102205 Bus - Profit Overview 1
10104200 Entre - Comm Tools 1
10104208 Mkrtg - Growth Trend Id 1
10104209 Mkrtg - Niche Development 1
10104210 Mkrtg - Social Media Strat 1
10145101 Bus - Funding Models Eval 1
10145103 Entre - Challenges 1
10145106 Entre - Idea Scanning 1
10145107 Entre - Leadership Fund 1
10145110 Entre - Mindset 1

Second Term Credits
10102200 Bus - Operational Accounting 1
10102203 Bus - Operational Finances 1
10103115 Bus - Operational Software 1
10104201 Mkrtg - Competitive Analysis 1
10104204 Mkrtg - Market Research 1
10104205 Mkrtg - Selling Tools 1
10104206 Mkrtg - Small Bus Strategies 1
10145100 Bus - Startup Costs 1
10145104 Entre - Concept Development 1
10145105 Entre - Feasibility Study 1
10145108 Entre - Leadership Practices 1
10145109 Entre - Management Practices 1

Third Term Credits
10102201 Bus - Operations Planning 1
10104202 Mkrtg - Cust Growth & Expnsn 1
10104203 Mkrtg - E-Business Fund 1
10104207 Marketing - Website Resources 1
10116103 Entre - Employment Law 1
10145102 Entre - Recruitment & Hiring 1

Program Credits 30
Typical Start: Fall

Gainful Employment Information: www.westerntc.edu/entrepreneurship-ge

Human Resource Management  #101162
Associate of Applied Science

If you enjoy helping others, and you’re looking for a rewarding career that offers variety and opportunity, explore the Human Resource Management program. Jobs in this field provide an opportunity to interact with diverse groups of people in a variety of settings. The success of any organization depends on getting the right person in the right job, and in this role you can make a huge impact. The program covers the seven key areas of HR: safety, employment law, training, employee and labor relations, compensation and benefits, international human resources, and staffing. Positions are available in business, manufacturing, non-profit organizations, and government agencies.

As an HR professional, you may find yourself recruiting and selecting employees, implementing compensation systems, developing employment policies, creating training programs, promoting safety, monitoring compliance with employment law, strategic planning, employee relations, and measuring employee satisfaction.

First Term Credits
10116117 Intro to HR Management 3
10116118 HR Professionalism 2
10801198 Speech 3
10801136 English Composition 1 3
10116180 Occupational Safety & Health 3

Second Term Credits
10116142 Recruit & Selection Strategies 3
10116159 Organizational Training & Dev 3
10116172 Compensation Management 3
10101130 Payroll Accounting 3

Third Term Credits
10154102 Software Apps for Business 3
10801197 Technical Reporting 3
10804123 Math w Business Apps 3
10809172 Intro to Diversity Studies 3

Fourth Term Credits
10116136 Employee & Labor Relations 3
10116147 Human Resource Portfolio 3
10116158 Employment Law 3
10116163 Employee Benefits 3

Fifth Term Credits
10809199 Psych of Human Relations 3
10116101 Human Resource Internatl Issues 2
10116152 Human Resource Applications 3
10116186 Human Resource Info Mgmt 2
10102106 Introduction to Business 3

Program Credits 63
Typical Start: Fall
Leadership Development Pathway

Leadership Essentials #301966

Technical Diploma

The six-course Leadership Essentials program gives you the opportunity to develop skills to become an effective leader or manager. Course topics include diversity and change, supervision, team building, time management, coaching, and leadership. Classes include exercises to enhance learning and encourage students to draw from their and others’ experiences.

*First Term*  
10196128 Supervisory Mgmt Orientation 3  
10196191 Supervision 3  

*Second Term*  
10196164 Personal Skills for Supervisors 3  
10196169 Diversity & Change Mgmt 3  

*Third Term*  
10196189 Team Building & Problem Solving 3  
10196190 Leadership Development 3  

*Program Credits*  
18  

Typical Start: Fall, Spring

Gainful Employment Information:  
www.westerntc.edu/lead-essentials-ge

Leadership & Supervision Professional #311961

Technical Diploma

This technical diploma is designed to provide you with the skills to move into a leadership position. Students will work on developing the interpersonal skills that effective managers and supervisors possess. Project-based learning activities include team building, managing workplace diversity and change, problem solving, human resource management, and supervisory skills. Also included will be safety and loss prevention, which are key responsibilities of a supervisor.

This 12-course program is intended for individuals already in the workplace, with classes scheduled accordingly.

*First Term*  
10196128 Supervisory Mgmt Orientation 3  
10196191 Supervision 3  

*Second Term*  
10196164 Personal Skills for Supervisors 3  
10196169 Diversity & Change Mgmt 3  

*Third Term*  
10196189 Team Building & Problem Solving 3  
10196190 Leadership Development 3  

*Fourth Term*  
10196134 Legal Issues For Supervisors 3  
10196136 Safety in the Workplace 3  

*Fifth Term*  
10196188 Project Management 3  
10196193 Human Resource Mgmt 3  

*Sixth Term*  
10196168 Organizational Development 3  
10196192 Managing for Quality 3  

*Program Credits*  
36  

Typical Start: Fall, Spring

Gainful Employment Information:  
www.westerntc.edu/lead-sup-prof-ge

Leadership Development Pathway cont. on next page
Leadership Development Pathway cont.

The success of an organization hinges on the quality of its leaders. The Leadership Development program prepares current and future leaders to excel in today’s workplace. It will provide you with skills that make the greatest impact in your career and your community.

Courses are led by experienced business professionals with proven success in leading initiatives in change management, quality improvement, communication, organizational communication and effectiveness, and human resource development.

The program is offered with flexible delivery methods, including online options, to suit your learning style and schedule. Embedded in this associate’s degree, you will earn the Leadership Supervision Professional and Leadership Essentials technical diplomas.

#101961

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<thead>
<tr>
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<td>10196191 Supervision</td>
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<td>10809198 Intro to Psychology</td>
<td>3</td>
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<tr>
<td>10154102 Software Appl for Business</td>
<td>3</td>
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<tr>
<td>10196164 Personal Leadership Strategies</td>
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<tr>
<td>10196169 Diversity &amp; Change Mgmt</td>
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<tr>
<td>10801198 Speech</td>
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<tr>
<td>10196189 Team Building &amp; Problem Solving</td>
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<tr>
<td>10196190 Leadership Development</td>
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<td>10196134 Legal Issues for the Workplace</td>
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<tr>
<td>10196136 Safety in the Workplace</td>
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<td>10196188 Project Management</td>
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<tr>
<td>10196193 Human Resource Management</td>
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<tr>
<td>10102126 Business Financials</td>
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<th>Sixth Term</th>
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<td>10804123 Math w Business Apps</td>
<td>3</td>
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<tr>
<td>10196168 Organizational Development</td>
<td>3</td>
</tr>
<tr>
<td>10196192 Managing for Quality</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Credits 60

Typical Start: Fall, Spring
Medical Administrative Professional Pathway

Certificate Health Office Assistant #611601

Any business benefits from a competent office assistant, but a medical office in particular needs the right person to fill that role. If you’re a caring individual with good people skills, this could be your field! You’ll gain skills to help maintain office records, assist in billing, greet patients, file claims, and monitor compliance issues. Examples of workplace opportunities include hospitals, clinics, insurance companies, and care facilities.

First Term Credits
10106103 Personal & Professional Development 3
10106112 Business Formatting 3
10106189 Medical Office Finance 2
10501110 Medical Admin Procedures 2
10106119 Business Communication Skills 3

Second Term Credits
10106106 Quality Customer Service 3

Program Credits 16
Typical Start: Fall

Technical Diploma Health Office Professional #311601

Gain the skills that position you for a job in a medical office through the Health Office Professional program. Because of the variety of duties involved, your coursework will cover communication skills, customer service, insurance and finance, basic anatomy, word processing, and desktop publishing. You’ll assist in patient communications, billing, filing insurance, gathering and storing patient information, and related tasks. Insurance companies, clinics, hospitals, and other healthcare facilities offer opportunities for meaningful work.

First Term Credits
10106103 Personal & Professional Development 3
10106112 Business Formatting 3
10106189 Medical Office Finance 2
10501110 Medical Admin Procedures 2
10106119 Business Communication Skills 3

Second Term Credits
10106123 Business Correspondence 3
10806120 Body Structure and Function 3
10106106 Quality Customer Service 3
10103107 Intro to MS Excel and Access 3

Program Credits 33
Typical Start: Fall

Gainful Employment Information: www.westerntc.edu/health-office-prof-ge

Associate of Applied Science Medical Administrative Professional #101602

Do you have a talent for keeping projects and information organized? As a medical administrative professional, you would play a big role in keeping a medical office operating smoothly and efficiently. This program prepares you to supervise business-related tasks, including scheduling appointments, registering patients, answering telephones, medical billing and completing insurance claims, preparing business correspondence, transcribing dictation, and maintaining medical records.

There are many career opportunities in hospitals, clinics (medical, vision, chiropractic, and dental), insurance companies, rehabilitation facilities, and skilled nursing facilities.

First Term Credits
10106103 Personal & Professional Development 3
10106112 Business Formatting 3
10106189 Medical Office Finance 2
10501110 Medical Admin Procedures 2
10106119 Business Communication Skills 3

Second Term Credits
10106123 Business Correspondence 3
10806120 Body Structure and Function 3
10106106 Quality Customer Service 3
10103107 Intro to MS Excel and Access 3

Third Term Credits
10801136 English Composition 1 3
10501101 Medical Terminology 3
10106190 Medical Office Insurance 2
10106149 Advanced Word & Desktop Publishing 3

Fourth Term Credits
10160120 Medical Law, Ethics & Professionalism 2
10160131 Admin & Organization of Healthcare 3
10801198 Speech 3
10809198 Intro to Psychology 3

Fifth Term Credits
10160140 Field Study - Med Admin Profess 2
10196191 Supervision 3
10804123 Math w Business Applications 3
10809172 Intro to Diversity Studies 3
10801197 Technical Reporting 3

Program Credits 61
Typical Start: Fall
Helping students succeed in the classroom is challenging as well as rewarding. Our technical diploma program will prepare you to work in the classroom and provide needed support for the teacher. You will likely work with special education students implementing goals of an Individual Education Plan and adapting instruction to meet student needs. Other duties may include setting up displays, grading assignments, providing one-on-one instruction, playground and lunchroom supervision. The primary focus of the technical diploma is behavior management, developmentally appropriate practices, and special education.

By law, all school employees working in the school setting with students must have a minimum of 48 credits beyond a high school diploma to be considered highly qualified. This program ensures that our graduates meet these standards. Educational assistants with a technical diploma are in high demand in our schools, and area districts depend on Western to provide this training.

Program graduates are employed by area school districts as special education paraprofessionals or health office paraprofessionals who work directly under the supervision of a registered nurse. These positions are available in elementary, middle school, and high school special education classrooms. The program comprises the first year of the Foundations of Teacher Education associate's degree.

First Term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10522101</td>
<td>EDU: Teamwork in School Setting</td>
<td>3</td>
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<tr>
<td>10522102</td>
<td>EDU: Techniques/Readg/Lang Art</td>
<td>3</td>
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<tr>
<td>10522103</td>
<td>EDU: Intro to Educ Practices</td>
<td>3</td>
</tr>
<tr>
<td>10522129</td>
<td>EDU: Practicum 1</td>
<td>3</td>
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<tr>
<td>10801136</td>
<td>English Composition 1</td>
<td>3</td>
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<tr>
<td>10809198</td>
<td>Intro to Psychology</td>
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Second Term

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>10522104</td>
<td>EDU: Tech/Media Resources</td>
<td>3</td>
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<tr>
<td>10522106</td>
<td>EDU: Child &amp; Adol Devel</td>
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<td>10522110</td>
<td>Sppt Stu w Spcl Hlth Needs</td>
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<tr>
<td>10809172</td>
<td>Intro to Diversity Studies</td>
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<tr>
<td>10522111</td>
<td>EDU: Guiding &amp; Mnging Bhvr</td>
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<tr>
<td>10804122</td>
<td>Math w Business Apps</td>
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Third Term

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>10522120</td>
<td>EDU: Techniques for Science</td>
<td>3</td>
</tr>
<tr>
<td>10522124</td>
<td>EDU: Support Students w Disab</td>
<td>3</td>
</tr>
<tr>
<td>10522132</td>
<td>EDU: Pos Classrm Mgmt Tech</td>
<td>3</td>
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<tr>
<td>10522107</td>
<td>EDU: Overview of Spcl Edu</td>
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Program Credits 48
Typical Start: Fall

Gainful Employment Information:
www.westerntc.edu/ed-assistant-ge
Accounting may be your field if you enjoy the challenge of keeping records and tracking finances. As an accounting assistant, you may have full responsibility for bookkeeping functions in a small business or have a single task in a large accounting department. Hands-on computer training and classroom instruction provide a solid background in accounting concepts and procedures.

All courses in this technical diploma can be applied to Western’s Accounting associate’s degree if you choose to continue your education. Classes are offered in a traditional face-to-face environment, online format, through interactive distance learning, or a blend of the formats.

### First Term
- 10101103 Orientation to Accounting 2
- 10101114 Accounting Principles 1 4
- 10101130 Payroll Accounting 3
- 10154102 Software Applications for Business 3

### Second Term
- 10101124 Accounting Principles 2 4
- 10101132 Case Analysis & Reporting 3
- 10101138 Accounting Spreadsheets 3

### Third Term
- 10801136 English Composition 1 3
- 10804123 Math w Business Applications 3

### Program Credits
32

Typical Start: Fall, Spring

Gainful Employment Information:
www.westerntc.edu/accounting-assistant-ge

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Accountants are in demand in every business and industry. It may be a good fit for you if you are detail-oriented, like to have things organized, and have strong problem-solving skills.

Businesses rely on their accounting departments to provide a clear, concise, and accurate financial picture and use the information accountants provide to make crucial decisions. Accounting relates to all aspects of an operation, so the ability to work as part of a team is essential. Payroll, accounts payable and receivable, budgets, and financial reports are some of the responsibilities of an accountant.

The associate’s degree program is designed for both the person looking for an entry-level position in accounting and the one who already has accounting responsibilities and would like to learn more. Instruction takes place in a traditional face-to-face environment, an online format, through interactive distance learning, or a blend of the formats. The Accounting After Hours program combines evening classroom instruction and online learning. Students learn accounting software, spreadsheet applications, and relevant technology.

### First Term
- 10101103 Orientation to Accounting 2
- 10101114 Accounting Principles 1 4
- 10101130 Payroll Accounting 3
- 10154102 Software Applications for Business 3

### Second Term
- 10101124 Accounting Principles 2 4
- 10101132 Case Analysis & Reporting 3
- 10101138 Accounting Spreadsheets 3

### Third Term
- 10801136 English Composition 1 3
- 10804123 Math w Business Applications 3
- 10809195 Economics 3
- 10809199 Psychology of Human Relations 3

### Fourth Term
- 10101126 Accounting Principles 3 4
- 10101149 Cost Accounting 4
- 10101165 Income Tax Accounting 4

### Fifth Term
- 10102130 Business Law 3
- 10101125 Computerized Accounting Systems 3
- 10101156 Info Systems for Accounting 3
- 10101162 Capstone Accounting Project 3
- 10101172 Professional Development-Accounting 1

### Program Credits
62

Typical Start: Fall, Spring

Gainful Employment Information:
www.westerntc.edu/accounting-assistant-ge
Financial Services Pathway

Financial Services Representative  #311142
Technical Diploma

Create a solid foundation in the financial services field with this technical diploma. This program, which comprises the first year of the associate’s degree in Financial Services, teaches you essential skills for entry into fields such as insurance, banking, customer services, sales, and underwriting. Graduates work at credit unions, banks, insurance companies, and financial firms, or continue their studies in Financial Services. Emphasis is placed on professionalism, financial principles, sales, and business applications.

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>10154102 Software Applications for Business</td>
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<tr>
<td>10114116 Introduction to Finance</td>
<td>3</td>
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<tr>
<td>10114125 Financial Customer Service &amp; Sales</td>
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<tr>
<td>10804123 Math w/Business Applications</td>
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<tbody>
<tr>
<td>10116162 Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>10102113 Insurance: Life and Health</td>
<td>2</td>
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<tr>
<td>10801136 English Composition I</td>
<td>3</td>
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<tr>
<td>10101114 Accounting Principles I</td>
<td>4</td>
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<tr>
<td>10114121 Personal Money Management &amp; Loans</td>
<td>1</td>
</tr>
<tr>
<td>10114123 Personal Investing</td>
<td>1</td>
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<tr>
<td>10809195 Economics</td>
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</table>

Program Credits 33
Typical Start: Fall

Gainful Employment Information:
www.westerntc.edu/fin-serv-rep-ge

Financial Services  #101146
Associate of Applied Science

A career in finance may be rewarding for the person with a head for numbers and a desire to help people and organizations with their financial goals. If that describes you, take a look at our program.

Among the topics covered are economics, software applications, customer service, insurance, risk management, business law, banking, and investment principles.

Graduates of the program are prepared for careers in banking, insurance, financial planning, and investments.

<table>
<thead>
<tr>
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<td>10114124 Banking Principles</td>
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<td>10114187 Lending Principles</td>
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<td>10801196 Oral/Interpersonal Communication</td>
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<td>10114177 Investment Principles</td>
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<td>10102114 Intro to International Business</td>
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<td>10114164 Appl of Financial Concepts</td>
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<tr>
<td>10809199 Psychology of Human Relations</td>
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<tr>
<td>10114156 Managerial Finance</td>
<td>3</td>
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<tr>
<td>10809166 Intro to Ethics: Theory &amp; App</td>
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</table>

Program Credits 63
Typical Start: Fall
Central Service Technician  #305341
Technical Diploma

A central service technician is responsible for the instruments and medical equipment used in surgery, obstetrics, and other patient care areas. They play a crucial role in preventing the spread of infection. If you are interested in a healthcare career, this area offers many opportunities. As a central service tech, you will clean, sterilize, and assemble medical supplies, instruments, and equipment, and also be responsible for maintaining inventory. Once you complete this program, you will be eligible to take a national certification test.

Classes are offered in a traditional and online blended format.

First Term
- 10501101 Medical Terminology: 3
- 30534302 Central Service Fund: 3
- 30534303 Central Service Clin Practices: 2
- 10106106 Quality Customer Service: 3

Program Credits: 11

Typical Start: Fall

The graduate is awarded a technical diploma and is eligible to write the certification exam offered by the Certification Board for Sterile Processing and Distribution, Inc.

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Dental Assistant  #315081
Technical Diploma

Take on an important role in the healthcare field by becoming a dental assistant. You’ll work closely with patients as you guide them toward good oral health practices. In addition to assisting the dentist with patients, you may also have opportunities to work in a dental lab, take x-rays, schedule appointments, and/or manage the office. Our technical diploma curriculum prepares you to enter a private practice for a dentist or group of dentists, or to work with national, state, or local agencies that provide dental services. Chairside skills, dental anatomy, dental radiography, oral hygiene, OSHA standards, and communication skills are all included in the program.

Program-specific courses are held in the Health Science Center, a shared facility located a few blocks from the La Crosse main campus. Check our maps page for specific location information.

Graduates may become certified by completing an examination by the Dental Assisting National Board.

First Term
- 10508101 Dental Health Safety: 1
- 31508304 Dental & General Anatomy: 2
- 10801196 Oral/Interpersonal Comm: 3

Second Term
- 10508103 Dental Radiography: 2
- 10508113 Dental Materials: 2
- 31508302 Dental Chairside: 5
- 31508306 Dental Assistant Clinical: 3

Third Term
- 10508107 Dental Hygiene Ethics & Profes: 1
- 10508120 Dental Office Management: 2
- 31508308 Dental Chairside Adv: 5
- 31508309 Dental Laboratory Procedures: 4
- 31508310 Dental Radiography-Adv: 1
- 31508311 Dental Assistant Clinical-Adv: 2

Program Credits: 33

Typical Start: Summer

Gainful Employment Information:
www.westerntc.edu/dental-assistant-ge

The Dental Assistant program is accredited by the Commission on Dental Accreditation (CODA). The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission’s web address is: www.ada.org/en/coda
Health Information Technology  
#105301

Managing medical information is a critical component of healthcare. The health information professional must be detail-oriented, comfortable with spreadsheets and databases, and have an interest in the healthcare field.

A health information technician collects, integrates, and analyzes healthcare data, manages information resources related to the delivery of healthcare services, codes medical information for research and insurance reimbursement, maintains patient confidentiality, and tracks information used in making clinical and business decisions.

Jobs for health information technicians are widely available in clinics, hospitals, long-term care facilities, insurance companies, and home care organizations.

First Term Credits
10806177 General A&P  4
10103102 Intro to MS Excel 1
10103103 Intro to MS Access 1

Second Term Credits
10501101 Medical Terminology 3
10530182 Human Disease for Health Professionals 3
10801136 English Composition 1 3
10501107 Digital Literacy for Healthcare 2
10530162 Foundations of HIM 3

Third Term Credits
10530178 Healthcare Law & Ethics 2
10530197 ICD Diagnosis Coding 3
10801198 Speech 3
10801197 Technical Reporting 3

Fourth Term Credits
10809196 Intro to Sociology 3
10809198 Intro to Psychology 3

Fifth Term Credits
10530184 CPT Coding 3
10530185 Healthcare Reimbursement 2
10530164 Intro to Health Informatics 3
10530163 Healthcare Stats and Analytics 3
10530166 HIT Capstone 1

Sixth Term Credits
10809195 Economics 3
10530165 Intermediate Coding 3
10530161 Health Quality Management 3
10530196 Professional Practice 3
10530167 Management of HIM Resources 3

Program Credits 66
Typical Start: Summer

The Health Information Technology program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). www.cahiim.org

Medical Assistant  
#315091

As a medical assistant (MA), you would be an indispensable member of a healthcare team, directly assisting a physician or RN. This program prepares you for an active role in providing care—assisting with examinations, carrying out select medical and diagnostic procedures, collecting specimens, and performing routine laboratory tests.

The program focuses on laboratory and clinical procedures, insurance and finance, medical terminology, and skills to keep a medical office running smoothly. You’ll also get valuable on-the-job experience. Graduates become medical assistants, laboratory assistants, phlebotomists, insurance clerks, and electrocardiogram technicians in a variety of medical settings.

First Term Credits
31509301 Med Assist Admin Procedures 2
31509302 Human Body in Health & Disease 3
31509303 Med Assist Lab Procedures 1 2
31509304 Med Assist Clinic Procedures 1 4
10501101 Medical Terminology 3
10801136 English Composition 1 3

Second Term Credits
31509305 Med Assist Lab Procedures 2 2
31509306 Med Assist Clin Procedures 2 3
31509307 Med Office Ins & Finance 2
31509308 Pharm for Allied Health 2
31509309 Medical Law, Ethics & Profess 2
31509310 Medical Assistant Practicum 3
10501107 Digital Literacy for Healthcare 2

Program Credits 33
Typical Start: Fall, Spring

Gainful Employment Information:
www.westerntc.edu/medical-assistant-ge

The Medical Assistant program at Western Technical College is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org), upon the recommendation of the Medical Assisting Education Review Board (MAERB).
Medical Coding Specialist  
#315302

Technical Diploma

If you enjoy precision and detail, consider a medical coding career. As a medical coder, you’ll review medical documentation provided by physicians and translate it into numeric codes that represent diagnoses and treatment. In addition to coding, courses also cover anatomy and physiology, medical terminology, diseases, health data management, and computer applications. The coded data are used for many purposes, including healthcare claims and research.

Graduates of this program are employed as entry-level coding specialists in hospitals, clinics, physician practices, surgery centers, care facilities, consulting companies, billing services, and insurance companies.

Graduates are eligible to take the Certified Coding Associate exam of the American Health Information Management Association (AHIMA). Additional certification exams and career opportunities are available for those with on-the-job coding experience.

First Term
- 10806177 Gen Anatomy & Physiology 4
- 10103103 Intro to MS Access 1
- 10103102 Intro to MS Excel 1

Second Term
- 10501101 Medical Terminology 3
- 10530182 Human Dis For Hlth Prof 3
- 10501107 Digital Literacy for Healthcare 2
- 10530162 Foundations of HIM 3

Third Term
- 10530197 ICD Diagnosis Coding 3
- 10530199 ICD Procedure Coding 2

Medical Laboratory Technician  
#105131

Associate of Applied Science

Turn your interest in biology and chemistry into a career in healthcare. As a medical laboratory technician, you will have an important role in the detection, diagnosis, and treatment of diseases and conditions by collecting and analyzing blood, identifying microorganisms from diverse specimens, conducting microscopic and chemical examinations, and performing blood bank procedures such as cross-matching blood. This program includes biology, chemistry, and analytical fundamentals, in addition to developing phlebotomy and laboratory skills. You will also gain hands-on clinical laboratory experience by working in area labs.

Program-specific courses are held in the Health Science Center, a shared facility located a few blocks from the La Crosse main campus. Check our maps page for specific location information.

Graduates are eligible to take a national certification registry exam through the American Society for Clinical Pathologists (ASCP). Passing the exam is not required for graduation.

First Term
- 10801136 English Composition 1 3
- 10806177 Gen Anatomy & Physiology 4
- 10513110 Basic Lab Skills 1
- 10513111 Phlebotomy 2
- 10513113 QA Lab Math 1
- 10513114 Urinalysis 2

Second Term
- 10806197 Microbiology 4
- 10513109 Blood Bank 4
- 10513115 Basic Immunology Concepts 2
- 10513120 Basic Hematology 3
- 10513121 Coagulation 1

Third Term
- 10801198 Speech 3
- 10806186 Intro to Biochemistry 4
- 10809198 Intro to Psychology 3
- 10809166 Intro to Ethics: Theory & App 3

Fourth Term
- 10530185 Healthcare Reimbursement 2
- 10530184 CPT Coding 3

Fifth Term
- 10530165 Intermediate Coding 3

Program Credits 30

Typical Start: Summer

Gainful Employment Information: www.westerntc.edu/med-coding-spec-ge

The Medical Laboratory Technician program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). www.naacls.org/about.aspx
Nursing  #105431
Associate of Applied Science

As a registered nurse (RN), you will be at the heart of a team dedicated to excellence in managing and delivering healthcare. This program provides the skills to integrate social, mathematical, and physical sciences, pharmacology, and pathophysiology into your clinical decision making. You will learn to communicate effectively, collaborate with others, and mobilize resources to promote, maintain, and restore health. Critical thinking and problem solving using the nursing process are emphasized, preparing you for a leadership role. The practice of nursing includes adherence to established professional standards—consistently demonstrating caring, respect, and cultural sensitivity. There is a strong demand for nurses, in a wide variety of care settings.

All registered nurses are required to take a national exam to obtain a license to practice. Compared with all programs nationwide, Western graduates have been consistently successful in passing the exam.

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<tr>
<th>Term</th>
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Program Credits  70
Typical Start: Fall, Spring, Summer

The Nursing program is approved by the Wisconsin Board of Nursing and accredited by ACEN (Accreditation Commission on Education in Nursing www.acenursing.org).
Nursing Assistant  #305431
Technical Diploma

Turn your interest in helping people into a meaningful career. As a nursing assistant, you will directly provide care to patients in hospital, long-term care, or adult day care settings. The program includes a combination of classroom and laboratory activities and hands-on clinical experience in a long-term care facility. You will receive training in communication skills—both oral and written, personal care, basic nursing skills, assisting people in maintaining independence, promoting rehabilitation, and caring for those with Alzheimer's disease and related dementias.

The program is approved by the Wisconsin Department of Health and Family Services as a Nursing Assistant Training program. Students are required by the Wisconsin Department of Health Services to take the Nursing Assistant Registry Exam if they desire employment in a federally-funded health care facility (one that accepts Medicare and Medicaid patients).

First Term  Credits
30543300 Nursing Assistant 3

Program Credits  3
Typical Start: Fall, Spring, Summer

The Nursing Assistant program is an approved program through the State of Wisconsin Department of Health Services, Division of Quality Assurance. www.dhs.wisconsin.gov/dqa/sections.htm

Occupational Therapy Assistant  #105141
Associate of Applied Science

This associate's degree program prepares you to become a Certified Occupational Therapy Assistant (COTA) or for employment in related jobs. In the traditional setting, the COTA provides services under the supervision of an occupational therapist using goal-directed activities to prevent, lessen or overcome difficulty in attaining, maintaining, or developing occupations: daily living skills, play, leisure and/or work skills. Services are provided in various environments, including hospitals, geriatric centers, schools, homes, and communities.

General Education classes are offered in a variety of learning formats. A few OTA program-specific courses are offered online or blended, with the majority taught face-to-face at the Health Science Center, a shared facility located a few blocks from the La Crosse main campus. Check our maps page for specific location information.

First Term  Credits
10806177 Gen Anatomy & Physiology 4
10809166 Intro to Ethics: Theory & App 3
10801136 English Composition I 3
10809198 Intro to Psychology 3
99999999 Elective 3

Second Term  Credits
10514171 Intro to Occupational Therapy 3
10514172 Med & Psychosocial Cond 3
10514173 Activity Analysis/Applications 2
10809188 Developmental Psychology 3
10801198 Speech 3

Third Term  Credits
10514174 OT Performance Skills 4
10514175 Psychosocial Practice 3
10514176 OT Theory and Practice 3
10514177 Assistive Technology 2
10514179 Community Practice 2

Fifth Term  Credits
10809172 Intro to Diversity Studies 3
10514178 Geriatric Practice 3
10514182 Physical Rehab Practice 3
10514183 Pediatric Practice 3
10514184 OTA Fieldwork I 2

Sixth Term  Credits
10514185 OT Practice/Management 2
10514186 Fieldwork II-A 5
10514187 Fieldwork II-B 5

Program Credits  70
Typical Start: Summer

The Occupational Therapy Assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) www.aota.org/Education-Careers/Accreditation.aspx
Pharmacy Technician  #315361
Technical Diploma

If you’re ill or injured, you have access to an enormous variety of therapeutic medications, and you trust your pharmacy to correctly interpret and fill your prescriptions. Pharmacy technicians contribute to our safety by assisting pharmacists in a variety of technical tasks. If you’re attentive to detail, organized, a good communicator, and like math, science, and working with people, a career as a pharmacy technician may be your prescription for success.

The Pharmacy Tech program is a shared program with Lakeshore Technical College. You will take some classes at Western and some online or through distance learning from Lakeshore.

Physical Therapist Assistant  #105241
Associate of Applied Science

Our Physical Therapist Assistant (PTA) program is as rigorous as it is rewarding. As a PTA, your goal will be to use your knowledge and skills to help patients regain movement after an injury, illness, or other medical condition. You’ll work under the direction and supervision of a physical therapist to provide physical therapy services in a variety of settings. To be successful, you must have good technical skills as well as the ability to work closely with a variety of people. You’ll also need to be organized and detail-oriented as you document your patients’ progress.

Our classes are generally a combination of lecture and lab, with several clinical experiences required. Graduates may work in hospitals, private practices, outpatient clinics, schools, long-term care facilities, and in rehabilitation centers.

Program-specific courses are held in the Health Science Center, a shared facility located a few blocks from the La Crosse main campus. Check our maps page for specific location information.

First Term Credits
10801136 English Composition 1 3
10806177 Gen Anatomy & Physiology 4
10524139 PTA Patient Interventions 4
10524140 PTA Professional Issues 1 2
10524156 PTA Applied Kinesiology 1 3

Second Term Credits
10809198 Intro to Psychology 3
10524142 PTA Therapeutic Exercise 3
10524143 PTA Therapeutic Modalities 4
10524157 PTA Applied Kinesiology 2 3
10809166 Intro to Ethics: Theory & App 3

Third Term Credits
10801196 Oral Interpersonal Communication 3
10809188 Developmental Psychology 3
10809196 Intro to Sociology 3

Fourth Term Credits
10524144 PTA Principal of Neuro Rehab 4
10524145 PTA Principal of Musculo Rehab 4
10524146 PTA Cardio & Integ Mgmt 3
10524147 PTA Clinical Practice 1 2

Fifth Term Credits
10524148 PTA Clinical Practice 2 3
10524149 PTA Rehab Across the Lifespan 2
10524150 PTA Professional Issues 2 2
10524151 PTA Clinical Practice 3 5

Program Credits 67
Typical Start: Fall

The Physical Therapist Assistant Program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE). Email: accreditation@apta.org, website: www.capteonline.org/home.aspx
Radiography  #105261
Associate of Applied Science

Radiographers have an important role in the treatment of the ill and injured. It’s their responsibility to ensure that the diagnostic images they produce are of the highest quality so that members of the medical team can make accurate diagnoses and treat patients accordingly. In this program, you’ll learn the effect of radiation on the body, how to position patients correctly, determine the proper settings for optimum exposures, and how to protect yourself and your patient from the effects of radiation. Core classes are taught in classroom and laboratory settings with a heavy emphasis on clinical experience in a healthcare setting. Classes are offered in traditional, online, and blended formats.

Program-specific courses are held in the Health Science Center, a shared facility located a few blocks from the La Crosse main campus. Check our maps page for specific location information.

First Term Credits
10806177 Gen Anatomy & Physiology 4
10526149 Radiographic Procedures 1 5
10526158 Introduction to Radiography 3
10526159 Radiographic Imaging 1 3
10526168 Radiography Clinical 1 2

Second Term Credits
10801136 English Composition 1 3
10526170 Radiographic Imaging 2 3
10526191 Radiographic Procedures 2 5
10526192 Radiography Clinical 2 3

Third Term Credits
10809172 Intro to Diversity Studies 3
10526193 Radiography Clinical 3 3
10809198 Intro to Psychology 3

Fourth Term Credits
10801198 Speech 3
10526194 Imaging Equipment Op 3
10526195 Radiographic Quality Analysis 2
10526196 Modalities 3
10526199 Radiography Clinical 4 3

Fifth Term Credits
10809196 Intro to Sociology 3
10526189 Radiographic Pathology 1
10526190 Radiography Clinical 5 2
10526197 Radiation Protection & Biology 3
10526174 ARRT Certification Seminar 2
10526198 Radiography Clinical 6 2

Program Credits 67
Typical Start: Fall

The Radiography program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Email: mail@jcert.org, website: www.jrcert.org

Respiratory Therapist  #105151
Associate of Applied Science

Illness, injury, premature birth, and chronic respiratory conditions can rob people of their ability to breathe. A respiratory therapist is the person on the healthcare team who is involved with evaluating, diagnosing, and treating breathing disorders.

You’ll work closely with a physician to develop treatment plans to improve respiratory function, and will be responsible for monitoring the effectiveness of the treatment. Treatment could include delivery of inhaled medications, use of therapeutic or life support equipment, or a combination of therapies. Your role will also include patient and family education.

Instruction takes place in a traditional classroom format, alternating with a total of five clinical rotations in a hospital setting. General education courses are taught in traditional, online, and blended formats.

After graduation, students are required to pass an exam issued by the National Board for Respiratory Care in order to earn the designation of Certified Respiratory Therapist (CRT). After earning the CRT credential, graduates are eligible to apply for a license to practice respiratory care anywhere in the United States. They are also eligible to take the Clinical Simulation Examination to be designated a Registered Respiratory Therapist (RRT).

First Term Credits
10501101 Medical Terminology 3
10804107 College Mathematics 3
10806177 General Anatomy & Physiology 4
10809172 Intro to Diversity Studies 3
10515111 Respiratory Survey 3
99999999 Elective 2

Second Term Credits
10806197 Microbiology 4
10809188 Developmental Psychology 3
10801136 English Composition 1 3
10801198 Speech 3
10515174 Respiratory/Cardiac Phys 3

Third Term Credits
10515173 Respiratory Pharmacology 3
10515176 Respiratory Disease 3
10515175 Respiratory Clinical 1 2

Fourth Term Credits
10515171 Respiratory Therapeutics 1 3
10515172 Respiratory Therapeutics 2 3
10515178 Respiratory Clinical 2 3
10515179 Respiratory Clinical 3 3
10515112 Respiratory Airway Mgmt 3

Fifth Term Credits
10515113 Respiratory Life Support 3
10515180 Respiratory Neo/Peds Care 2
10515181 Respiratory/Cardio Diagnostics 3
10515182 Respiratory Clinical 4 3
10515183 Respiratory Clinical 5 3

Program Credits 70
Typical Start: Fall

The Respiratory Therapy program is accredited by the Commission on Accreditation for Respiratory Care (CoArc). www.coarc.com
Surgical Technology  #105121
Associate of Applied Science

It takes a collaborative effort to ensure that things run smoothly in the operating room, where conditions can be stressful and demanding. If you can stay calm in these types of situations, you may consider the critical role of a surgical technician. You would be the member of the surgical team who makes sure that equipment is working properly, that the environment is sterile and safe, and that the patient is comfortable. Surgeries can be invasive, diagnostic, or therapeutic, and you’ll gain experience in all these areas. Your responsibilities will include pre- and post-op care as well.

It takes focus, dedication, and the ability to multi-task to work in an operating room. All candidates will have a job shadowing experience prior to the start of the program and will observe a surgery in progress.

Some courses are available online, with distance learning options available at our regional locations. Study will include lab courses from the beginning, with clinical rotations scheduled as the student progresses.

Graduates take a national certification exam before beginning employment.

First Term
- 10801136 English Composition 1 3
- 10801198 Speech 3
- 10806177 Gen Anatomy & Physiology 4
- 10501101 Medical Terminology 3

Second Term
- 10806179 Adv Anatomy & Physiology 4
- 10512125 Intro to Surgical Technology 4
- 10512126 Surgical Tech Fundamentals 1 4
- 10512127 Exploring Surgical Issues 2

Third Term
- 10806197 Microbiology 4
- 10809198 Intro to Psychology 3
- 10512128 Surgical Tech Fundamentals 2 4
- 10512129 Surgical Pharmacology 2
- 10512130 Surgical Skills Application 2

Fifth Term
- 10809172 Intro to Diversity Studies 3
- 10512131 Surgical Interventions 1 4
- 10512132 Surgical Technology Clinical 1 3
- 10512133 Surgical Technology Clinical 2 3

Sixth Term
- 10512135 Surgical Technology Clinical 3 3
- 10512136 Surgical Technology Clinical 4 3
- 10512142 Surgical Interventions II 4
- 99999999 Elective 3

Program Credits 68

Typical Start: Summer

The Surgical Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in collaboration with The Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA). Website: www.arcst.org
If you are interested in learning culinary basics, this four-credit certificate provides the foundation for entry-level food service jobs and covers the core coursework for additional credentials in the Culinary Management pathway.

The Food Service Aide program focuses on food preparation, serving, and maintaining clean and sanitary conditions in the kitchen and dining areas under the supervision of a manager or chef.

**First Term**
- 10317101 Sanitation I 1
- 10317111 Dining Room Theory 1
- 10317112 Culinary Fundamentals 2

**Program Credits**
- 4

**Typical Start:** Fall

This 12-credit certificate will prepare you with the skills for food service positions in restaurants, supper clubs, healthcare facilities, resorts, schools, and more! The Food Preparation Assistant program covers kitchen organization and operations, sanitation and quality control, basic food preparation and cooking skills, and quantity food measurement and monitoring. You will gain hands-on experience in Western’s food service lab featuring the latest commercial equipment.

Use the credits earned to continue on Western’s Culinary Management Pathway to further credentials and increased employment opportunities.

**First Term**
- 10317101 Sanitation I 1
- 10317111 Dining Room Theory 1
- 10317112 Culinary Fundamentals 2
- 10317100 Food Science 1
- 10317116 Intro to Food Service Industry 1
- 10317102 Sanitation II 2
- 10317155 Vegetables, Starches, Grains 2
- 10317156 Lunch & Breakfast Cookery 2

**Program Credits**
- 12

**Typical Start:** Fall
The Culinary Assistant program will help you develop the skills necessary to pursue a career in the food-service industry in a variety of settings. You will start with the basic theory and techniques of food production and service, then move on to hands-on training and experience in all areas of basic quantity food preparation as well as kitchen and dining room operations.

The third term of this technical diploma includes field experience where you will have the opportunity to select an approved food service facility in which to apply learned theory, such as costing, customer service, and set ups.

Upon completion of the program, you may continue on the Culinary Management pathway to develop supervisory and management skills.

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**Culinary Management**  
**#103171**  
Associate of Applied Science

If you’re a people person and like a fast-paced atmosphere, consider a culinary career. Opportunities abound in restaurants, healthcare facilities, institutions, and other areas where food is prepared and served. Our Culinary Management program prepares you for supervisory and management positions in the field by introducing you to the many types of operations within the food service industry and engaging you in performance-based instruction.

Culinary management students are taught how to train and supervise employees effectively and manage a food service operation efficiently.

In addition to obtaining general knowledge about the industry, students gain skills in critical thinking, computer use, human relations, and organization through classroom instruction, seminars, and on-the-job experiences. Students are given the opportunity to graduate with the nationally recognized ServSafe sanitation certification as well as learning the Hazard Analysis Critical Control Point (HACCP*) food safety system.

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*HACCP was developed by NASA*
Hospitality Management  #101092
Associate of Applied Science

Hospitality is the fastest growing industry in the world, and the second largest industry in Wisconsin. Western’s Hospitality Management program will prepare you with the knowledge and skills necessary to supervise staff and manage basic operations in hospitality-oriented organizations. You will gain exposure to different facets of the industry, including food and beverage service, travel and lodging, and recreation and tourism. This associate’s degree program covers relevant topics such as customer service, supervision, software applications for business, human resources, event management, sales and promotions, finance, and more. Courses are offered in a convenient online format.

### First Term
- 10106106 Quality Customer Service 3
- 10109101 Principles of Hospitality Management 3
- 10196128 Professional Development Strategies 3
- 10801136 English Composition 1 3

### Second Term
- 10196191 Supervision 3
- 10317101 Sanitation I 1
- 10109126 Customer Service Management 2
- 10154102 Software Applications for Business 3
- 10196189 Team Building & Problem Solving 3

### Third Term
- 10801198 Speech 3
- 10804123 Math w Business Applications 3
- 10109131 Hospitality Cost Control 3
- 10196134 Legal Issues for the Workplace 3

### Fourth Term
- 10809198 Intro to Psychology 3
- 10809195 Economics 3
- 10196193 Human Resource Management 3
- 10196169 Diversity & Change Mgmt 3

### Fifth Term
- 10196190 Leadership Development 3
- 10102126 Business Financials 3
- 10109108 Hospitality Event Management 3
- 10109125 Hospitality Sales and Promotions 3

**Program Credits**  60

**Typical Start:** Fall
Early Childhood Education  #103071
Associate of Applied Science

A fun and rewarding career awaits you in early childhood education. In this role, you’ll use play, art, music, language, and educational tools to help birth- to school-age children develop cognitively, physically, socially, and emotionally. Through a combination of classroom study and field experience in actual child care settings, you’ll learn how to stimulate and nurture children of varying abilities and backgrounds, maintain a safe and healthy child care environment, and communicate effectively with families. You’ll learn child development, curriculum planning, and managing behavior. The program also covers government mandates, reporting procedures, and regulations in the industry.

Opportunities abound in this ever-growing field with positions available as professional nannies, in child care centers, as early childhood teachers and directors, or in schools as teacher assistants. Or, continue your education and earn a teaching degree.

First Term Credits
10307151 ECE: Infant & Toddler Development 3
10307167 ECE: Health, Safety, & Nutrition 3
10307174 ECE: Introductory Practicum 3
10307148 ECE: Foundations of ECE 3
10801136 English Composition 1 3

Second Term Credits
10307179 ECE: Child Development 3
10307108 ECE: Early Language and Literacy 3
10307110 ECE: Soc S, Art, & Music 3
10307177 ECE: Intermediate Practicum 3
10801198 Speech 3

Fourth Term Credits
10307188 ECE: Guiding Child Behavior 3
10307187 ECE: Children w Differing Abilities 3
10307112 ECE: STEM 3
10307175 ECE: Preschool Practicum 3
10809198 Introduction to Psychology 3

Fifth Term Credits
10307199 ECE: Advanced Practicum 4 3
10307195 ECE: Family & Community Rltnshps 3
10809196 Introduction to Sociology 3
10804123 Math w Business Apps 3
10307169 ECE: Infant Toddler Group Care 3

Program Credits 60
Typical Start: Fall

Gerontology  #105441
Associate of Applied Science

Graduates of the Gerontology associate’s degree program have the knowledge and skills needed to provide quality service to older adults and their families. Gerontology career pathways include a wide variety of service and leadership opportunities related to business and finances; housing options; entertainment and travel; health and wellness; case coordination; public policy and advocacy; and consumer service.

This is a shared program with Northeast Wisconsin Technical College (NWTC). Students can enroll in 46 credits at Western and complete the remaining 23 credits online through NWTC.

Admission to the Gerontology program is handled by NWTC. To apply to this program, please complete NWTC’s application process.
Human Services Associate  #105203
Associate of Applied Science

The Human Services Associate program trains people to provide information, resources, support, and advocacy for those in need. Through classroom work and field experience activities, students acquire the skills needed to work with diverse groups of youth and adults facing a multitude of challenges such as poverty, discrimination, child abuse, homelessness, addictions, physical and mental health problems, and disabilities.

Graduates are employed in a variety of agencies, including county human services, community-based organizations, residential treatment programs, and other settings where people in need are assisted. Graduates may also transfer on to receive their bachelor’s degrees in social work or other human service-related programs.

### First Term Credits
- 10801136 English Composition 1 3
- 10809198 Intro to Psychology 3
- 10520101 Intro to Human Services 3
- 10520102 Community Rsrcs and Serv 3
- 10809122 Intro to American Government 3

### Second Term Credits
- 10520103 Intervwng Prin & Record Keep 3
- 10520105 Cultural Issues in Human Serv 3
- 10520106 Profess Practices in Human Services 3
- 10520150 Intro to Gerontology 3
- 99999999 Elective 3

### Third Term Credits
- 10809188 Developmental Psychology 3
- 10804107 College Mathematics 3

### Fourth Term Credits
- 10520115 Field Study 1-Human Services 3
- 10520190 Children, Families & Groups 3
- 10520118 DisAbilities 3
- 10801198 Speech 3
- 10809159 Abnormal Psychology 3

### Fifth Term Credits
- 10520122 Human Services Field Study 2 4
- 10520110 Pub Hlth Issues in Human Serv 3
- 10520107 Intro to Addict & Sub Use Dis 3
- 10809196 Intro to Sociology 3

### Program Credits 64

Typical Start: Fall, Spring
Individualized Technical Studies (ITS)  #108251

**Associate of Applied Science**

The Individualized Technical Studies (ITS) associate degree is a flexible program intended for students with specific career goals that can’t be met by other degree programs at Western. It is a customized program that allows you to draw from a variety of existing courses in traditional disciplines and programs. You are encouraged to explore credit for prior learning (CPL) based on previous work experience, coursework, and military service training. CPL enables you to accelerate the completion of your educational goals.

**Examples of an ITS degree could be:**

- **Childcare Administration:** Combining Early Childhood core program classes with Human Services and Business and Management courses
- **Marketing and Design:** Pairing courses from Marketing with Art, A/V Technology, and Communications courses
- **Criminal Justice Management:** Combining Law, Public Safety, and Security courses with Business, Management, and Administration courses
- **Business Management & Sales:** Coupling Business and Management with Administration and Marketing courses
- **Computer Support Manager:** Pairing Information Technology courses with Business, Management and Administration courses

<table>
<thead>
<tr>
<th>General Studies</th>
<th>Credits</th>
<th>ITS</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Behavioral Science (Select One)</td>
<td>3</td>
<td>Core Credits</td>
<td>20</td>
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<tr>
<td>809-198 Introduction to Psychology</td>
<td></td>
<td>Focused in one discipline</td>
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</tr>
<tr>
<td>809-199 Psychology of Human Relations</td>
<td></td>
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<tr>
<td>Other 809 courses may be permitted</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Communications (Select Two)</td>
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<td>Additional Credits</td>
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<td>801-195 Written Communication</td>
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<td>Additional credits earned in other disciplines</td>
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<td>801-198 Speech</td>
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<tr>
<td>801-197 Technical Communication</td>
<td></td>
<td></td>
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</tr>
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<td>Other 801 courses may be permitted</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Math/Science (Select One)</td>
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<td>Total Individual Technical Studies</td>
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<tr>
<td>804-107 College Math</td>
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<td>804-123 Math w/ Business Apps</td>
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<tr>
<td>Social Science (Select One)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>809-195 Economics</td>
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</tr>
<tr>
<td>809-196 Introduction to Sociology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>809-122 Introduction to American Gov.</td>
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<td></td>
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</tr>
<tr>
<td>Other 809 courses may be permitted</td>
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</tr>
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<tr>
<td>Additional course electives</td>
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<tr>
<td><strong>Total General Studies</strong></td>
<td><strong>21-30</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
IT - Computer Support Technician

Technical Diploma

Hands-on learning in the Computer Support Technician program can lead you to employment as a level-one tech. You’ll learn the necessary skills to install, diagnose, and repair hardware and offer support to computer users in a business environment. The course covers networking, scripting, and server administration.

First Term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>10150101</td>
<td>IT Hardware/Software Fund</td>
<td>3</td>
</tr>
<tr>
<td>10150110</td>
<td>Cisco 1: Networking Fund</td>
<td>3</td>
</tr>
<tr>
<td>10154102</td>
<td>Software Applications for Business</td>
<td>3</td>
</tr>
<tr>
<td>10154103</td>
<td>IT Professionalism &amp; Exploration</td>
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</table>

Second Term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10152144</td>
<td>Web Programming</td>
<td>3</td>
</tr>
<tr>
<td>10154108</td>
<td>Database Concepts</td>
<td>3</td>
</tr>
<tr>
<td>10154125</td>
<td>Business Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>10154137</td>
<td>IT Systems Support</td>
<td>3</td>
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<tr>
<td>10801136</td>
<td>English Composition 1</td>
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</tr>
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</table>

Program Credits 27

Typical Start: Fall

Gainful Employment Information:
www.westerntc.edu/it-comp-support-tech-ge

IT - Computer Support Specialist

Associate of Applied Science

Achieve a satisfying balance with a career that lets you work with people and computers. A computer support specialist is a problem-solver with a technical background in hardware, software, network maintenance, and networks. A good listener with an arsenal of problem-solving skills, technical manuals, and knowledge of computers, you will help customers resolve issues and restore productivity. You may also be charged with selecting hardware and software, managing a Local Area Network (LAN), maintaining a support ticket tracking system, and training employees.

Along with technical skills, you’ll be refining your people skills with special attention paid to listening, teamwork, ethics, and communication. Learning takes place both in the computer lab and in the classroom.

In your final semester, you will select, install, setup, test, and demonstrate software and build a portfolio that demonstrates your competency in hardware, software, support, training, project management, and networking. Working at a student help desk will round out your experience.

First Term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>10150101</td>
<td>IT Hardware/Software Fund</td>
<td>3</td>
</tr>
<tr>
<td>10150110</td>
<td>Cisco 1: Networking Fund</td>
<td>3</td>
</tr>
<tr>
<td>10154102</td>
<td>Software Applications for Business</td>
<td>3</td>
</tr>
<tr>
<td>10154103</td>
<td>IT Professionalism &amp; Exploration</td>
<td>3</td>
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<tr>
<td>10804123</td>
<td>Math w/Business Applications</td>
<td>3</td>
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Second Term

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10152144</td>
<td>Web Programming</td>
<td>3</td>
</tr>
<tr>
<td>10154108</td>
<td>Database Concepts</td>
<td>3</td>
</tr>
<tr>
<td>10154125</td>
<td>Business Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>10154137</td>
<td>IT Systems Support</td>
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<tr>
<td>10801136</td>
<td>English Composition 1</td>
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Fourth Term

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<tr>
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<th>Course Name</th>
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<tbody>
<tr>
<td>10152118</td>
<td>Applied SQL</td>
<td>3</td>
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<tr>
<td>10154167</td>
<td>Crystal Report Writing</td>
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<tr>
<td>10154107</td>
<td>Scripting and Automation</td>
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<tr>
<td>10154158</td>
<td>Training and Development</td>
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<td>10801196</td>
<td>Oral/Interpersonal Communications</td>
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Fifth Term

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<tr>
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<th>Course Name</th>
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<tr>
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<tr>
<td>10154132</td>
<td>Comp Support Spec Capstone</td>
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<tr>
<td>10154165</td>
<td>Help Desk Management</td>
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<tr>
<td>10809166</td>
<td>Intro to Ethics: Theory &amp; App</td>
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<tr>
<td>10809199</td>
<td>Psychology of Human Relations</td>
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</table>

Program Credits 60

Typical Start: Fall

Gainful Employment Information:
www.westerntc.edu/it-comp-support-tech-ge
IT - Network Systems Administration Pathway

IT - Network Technician
Technical Diploma

A person with good computer skills and a desire to gain additional knowledge will benefit from the Network Systems Technician program. Through a combination of classroom and hands-on training, you will learn how to provide endpoint support in small- to medium-sized businesses and home offices. You will also be trained in the fundamentals of Linux and Windows server administration.

If you decide to pursue an associate’s degree in IT-Network System Administration, all courses will transfer to that program.

#301504

First Term
10150101 IT Hardware/Software Fund 3
10150110 Cisco 1: Networking Fund 3
10154103 IT Professionalism & Exploration 3
10804123 Math w Business Apps 3

Second Term
10150120 Cisco 2: Routing Technologies 3
10150137 Linux Administration 3
10150192 Windows Server Admin 1 3
10801136 English Composition 1 3

Program Credits 24

Typical Start: Fall

Gainful Employment Information:
www.westerntc.edu/it-network-tech-ge

IT - Network Systems Administration
Associate of Applied Science

#101505

First Term
10150101 IT Hardware/Software Fund 3
10150110 Cisco 1: Networking Fund 3
10154103 IT Professionalism & Exploration 3
10804123 Math w Business Apps 3

Second Term
10150120 Cisco 2: Routing Technologies 3
10150137 Linux Administration 3
10150192 Windows Server Admin 1 3
10801136 English Composition 1 3

Third Term
10801197 Technical Reporting 3
10150130 Cisco 3: Adv Routing/Switching 3
10150194 Windows Server Admin 2 3
10154110 Windows Powershell Scripting 3

Fourth Term
10150140 Cisco 4: Enterprise Ntwrkng 3
10154145 Database Server Admin 3
10809199 Psych of Human Relations 3
10150118 Network Security 1 3
10801196 Oral/Interpersonal Comm 3

Fifth Term
10809166 Intro to Ethics: Theory & App 3
10150119 Network Security 2 3
10150146 Virtualization 3
10150198 Network Service and Support 3
10154175 IT Internship 1

Program Credits 64

Typical Start: Fall
IT - Web & Software Developer

Associate of Applied Science

#101527

This program is an introduction to the broad field of business information systems and computer programming. Classes in Visual Basic and Role Playing Games (RPG) emphasize business applications, and the programming emphasis is on Visual Studio, Net, Java, RPG IV, and data access through Structured Query Language (SQL). Web development is a recurring theme in many of the classes. This degree opens the door to a number of jobs, including web developer, application programmer, business systems analyst, and operations personnel.

The program requires extensive work in the computer lab, and all students must complete an internship off-site in order to graduate.

You’ll be required to have basic computer skills and experience in word processing, file handling, and spreadsheets to be admitted to this program. You’ll also need to be a good listener, an excellent reader, and have an understanding of high school algebra.

<table>
<thead>
<tr>
<th>First Term</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>10154103 IT Professionalism &amp; Exploration</td>
<td>3</td>
</tr>
<tr>
<td>10152118 Applied SQL</td>
<td>3</td>
</tr>
<tr>
<td>10152144 Web Programming</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Second Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10152153 Introduction to Java</td>
<td>3</td>
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<tr>
<td>10152190 Introduction to .NET</td>
<td>3</td>
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<tr>
<td>10150110 Cisco 1: Networking Fund</td>
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<tr>
<td>10154102 Software Apps for Business</td>
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<table>
<thead>
<tr>
<th>Third Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10801198 Speech</td>
<td>3</td>
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<tr>
<td>10152191 Database Dev with .NET</td>
<td>3</td>
</tr>
<tr>
<td>10152105 Game Development</td>
<td>2</td>
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<tr>
<td>10154178 IT Project Analysis</td>
<td>3</td>
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<tr>
<td>10801136 English Composition 1</td>
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<table>
<thead>
<tr>
<th>Fourth Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10809166 Intro to Ethics: Theory &amp; App</td>
<td>3</td>
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<tr>
<td>10152145 Advanced Web Programming</td>
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<tr>
<td>10152185 Mobile Apps Development</td>
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<tr>
<td>10809195 Economics</td>
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<table>
<thead>
<tr>
<th>Fifth Term</th>
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<tbody>
<tr>
<td>10809199 Psych of Human Relations</td>
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<td>10152122 IBM RPG 1</td>
<td>3</td>
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<tr>
<td>10152187 Web Dev with ASP.NET</td>
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<tr>
<td>10152113 Adv Topics in Programming</td>
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<tr>
<td>10154175 IT Internship</td>
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</table>

Program Credits 63

Typical Start: Fall
The Journeyworker program provides students who have completed their apprenticeship program the option to pursue an associate degree. The degree program helps to build on your experience, add depth to your technical skills and enhance your career potential. With 39 credits from your apprenticeship and 21 credits from general studies you will be well prepared for the next step for future career growth.

**Degree completion requirements:**

- Possess a Wisconsin Apprenticeship Completion Certificate issued by the Department of Workforce Development-Bureau of Apprenticeship Standards registered program, which includes a minimum of 400 hours of prescribed apprentice related technical instruction in the Wisconsin Technical College System.

- Complete all prescribed WTCS apprentice related technical instruction. Possess the DWD-BAS Wisconsin Apprenticeship Completion Certificate AND successfully complete of all prescribed coursework fulfilling the 39 credit minimum technical studies requirement of the Technical Studies - Journeyworker Associate of Applied Science degree.

- Meet the WTCS Associate of Applied Science degree requirement for a minimum of 21 credits of General Education.

- Complete at least 25% of the total program credits through coursework undertaken at the technical college granting the AAS degree and meet any institutional graduation requirements. A WTCS apprenticeship program with at least 400 hours of paid related instruction (PRI) meets this threshold.

<table>
<thead>
<tr>
<th>General Studies</th>
<th>Credits</th>
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<tr>
<td>Behavioral Science (Select One)</td>
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<td>809-198 Introduction to Psychology</td>
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<td>809-199 Psychology of Human Relations</td>
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<tr>
<td>Communications (Select Two)</td>
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<td>801-195 Written Communication</td>
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<td>801-198 Speech</td>
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<td>801-197 Technical Communication</td>
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<tr>
<td>Other 801 courses may be permitted</td>
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</tr>
<tr>
<td>Math/Science (Select One)</td>
<td>3</td>
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<tr>
<td>804-107 College Math</td>
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<tr>
<td>804-123 Math w Business Apps</td>
<td></td>
</tr>
<tr>
<td>Other 804/806 courses may be permitted</td>
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</tr>
<tr>
<td>Social Science (Select One)</td>
<td>3</td>
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<tr>
<td>809-195 Economics</td>
<td></td>
</tr>
<tr>
<td>809-196 Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td>809-122 Introduction to American Gov</td>
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</tr>
<tr>
<td>Other 809 courses may be permitted</td>
<td></td>
</tr>
<tr>
<td>General Studies Electives</td>
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<tr>
<td>Additional course electives</td>
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</tr>
<tr>
<td>Total General Studies</td>
<td>21</td>
</tr>
</tbody>
</table>

**Current Apprenticeships**

- Construction Electrician
- Industrial Electrician
- Injection Mold Setup (Plastic)
- Machinist - Tool & Die
- Maintenance Technician
- Metal Fabrication
- Millwright/Maintenance Mechanic
- Plumbing
- Steamfitter

Take your skills and education to the next level!
# Criminal Justice  #105045
Associate of Applied Science

If you want to contribute to your community by helping people and protecting them, a career in the criminal justice field may be rewarding. This degree helps you develop the multidisciplinary base of knowledge, skills, and abilities you will need. Your coursework will address a wide range of legal and procedural subjects, plus written and verbal communication skills, and knowledge of psychology and related contemporary social issues.

The program provides aspiring law enforcement officers with the training needed to become certified in Wisconsin. You will be required to demonstrate your competency in a number of crucial areas, based on criteria set forth by the Training and Standards Bureau of the Wisconsin Department of Justice. Courses are conducted at Western’s Public Safety Training Facility in Sparta and are taught by full-time educators, law enforcement officers, and supervisors recognized as leaders in law enforcement training.

You can pursue specialization in law enforcement, corrections, or security using the knowledge and skills you gain in this program. Possible pathways also include pursuing a bachelor’s degree at one of many area universities with whom Western has a transfer agreement.

### First Term Credits
- **10504819** Survey of Criminal Justice 3
- **10504820** Corrections in America 3
- **10504821** Juvenile Justice 3
- **10504822** Criminal Procedures 3
- **10809198** Intro to Sociology 3
- **10809196** Intro to Psychology 3

### Second Term Credits
- **10504823** Criminal Law 3
- **10504824** Justice Administration 3
- **10504825** Victimology 3
- **10504826** Criminal Justice Ethics 3
- **10801136** English Composition 1 3
- **10504832** Cmmnty/Prblm Orien Policing 3
- **10504833** Law Enforc Investigative Strat 3

### Third Term Credits
- **10504827** Criminology 3
- **10504828** Police in America 3
- **10804107** College Mathematics 3
- **10801196** Oral/Interpersonal Comm 3
- **10504832** Cmmnty/Prblm Orien Policing 3
- **10504833** Law Enforc Investigative Strat 3

### Program Credits
- **22**
- Typical Start: Fall

---

# Criminal Justice-Law Enforcement 720 Academy  #305042
Technical Diploma

The 720 Academy provides aspiring law enforcement officers with the training they need to become certified in Wisconsin. Students must demonstrate their competency in a number of crucial areas based on criteria set forth by the Training and Standards Bureau of the Wisconsin Department of Justice. The Academy is conducted at the Sparta Public Safety Training Center and is taught by full-time educators, law enforcement officers, and supervisors who are recognized as leaders in law enforcement training.

### First Term Credits
- **30504700** Overview of Criminal Justice 1
- **30504701** Overview of Patrol Response 2
- **30504702** Overview of Tactics 1
- **30504703** Overview of Investigation 2
- **30504705** Principles of Tactics 5
- **30504706** Princ of Emergency Vehicle Response 2
- **30504707** Principles of Investigations 1
- **30504708** Physical Fitness 1
- **30504709** Application of Traffic Response 3
- **30504710** Application of Investigation 1
- **30504711** Sensitive Crimes 2
- **30504712** Scenario Assessment 1

### Program Credits
- **22**
- Typical Start: Spring, Summer

Gainful Employment Information:
www.westerntc.edu/cj-academy-ge

The Law Enforcement Academy is an approved program by the Wisconsin Department of Justice - Training and Standards Bureau.
www.doj.state.wi.us/dles/training-and-standards-bureau/training-and-standards-bureau
Fire Protection Technician  #105032
Associate of Applied Science

If you enjoy an adrenaline rush and have a desire to help people in need, think about a future in the fire protection field. Fire protection technicians respond to accidents, fires, natural disasters, and other emergencies that threaten life or property. They work in teams to rescue victims, render aid, recover property, and operate firefighting equipment such as ladders and pumps.

When not responding to emergencies, you can educate individuals and businesses on fire safety, maintaining firefighting equipment, or even working as a fire inspector or investigator. In most cases, you will work for a city fire department, but opportunities also exist at airports, chemical plants, and forested areas. You may also work for a fire equipment vendor or insurance company.

In this program, you’ll learn the latest fire prevention and firefighting techniques in the classroom and through simulations of real-life situations. You’ll spend one semester as an intern with a fire department.

This training prepares you for Wisconsin Firefighter I, Fire Inspection I, Hazmat Technician, Driver/Operator-Pumper certification and Nationally Registered Emergency Medical Technician-Basic (NREMT-B). You may want to pursue Emergency Medical Technician-Paramedic certification (NREMT-P) to increase your chances of employment after graduation.

First Term Credits
10503143 Building Construction 3
10503195 Fire Behavior & Combustion 3
10503192 Princ of Emerg Srvs Safty Surv 3
10801136 English Composition 1 3
10807115 Fit & Wellness for Publ Safety 2 2
10807121 Firefighter Fitness 1 1

Second Term Credits
10804107 College Mathematics 3
10503142 Fire Fighting Principles 4
10503193 Fire Protection Systems 3
10503153 Haz Mtrls Awareness & Ops 1 1
10801196 Oral/Interpersonal Comm 3
10807122 Firefighter Fitness 2 1

Fourth Term Credits
10503110 Firefighter II 3
10503151 Fire Prevention 4
10531105 EMT Basic - Part 1 2
10809166 Intro to Ethics: Theory & Apps 3
10807123 Firefighter Fitness 3 1

Fifth Term Credits
10503105 Trends in the Fire Service 3
10503194 Fire Protection Hydraulics 3
10531106 EMT Basic - Part 2 3
10503101 Technical Rescue 2
10809174 Firefighter Fitness 4 1
10809198 Intro to Psychology 3

Program Credits 60
Typical Start: Spring

Paralegal  #101101
Associate of Applied Science

An exciting and challenging career awaits you in this growing field. As a paralegal, you will be involved in all facets of the law while working under the direction of a licensed attorney. A successful paralegal is a good communicator, enjoys working with diverse populations, pays attention to details, is a strong problem solver, and is ethical.

This program is an ABA (American Bar Association) approved program. The current ABA definition of a Legal Assistant/Paralegal is as follows:

A legal assistant or paralegal is a person, 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.

This program covers all aspects of law: criminal, family, real estate, civil, and probate. Our graduates find employment in private practice, corporate legal departments, and government entities.

Core courses are offered in a traditional format during the day with some offered online and blended. General education classes are available in tradition and online formats.

First Term Credits
10801136 English Composition 1 3
10154102 Software Apps for Business 3
10110101 Intro to Paralegal & Ethics 3
10110104 Legal Research 3
10110106 Family Law 3
10110110 Real Estate Law 3
10110168 Criminal Procedures 3
10110135 Comp Appl-Law Office Pers 3

Second Term Credits
10804123 Math w Business Apps 3
10101108 Introduction to Accounting 3
10801197 Technical Reporting 3
10110102 Civil Litigation 2
10110107 Legal Aspects of Business Org 3

Fourth Term Credits
10801196 Oral/Interpersonal Comm 3
10809166 Intro to Ethics: Theory & App 3
10110106 Family Law 3
10110110 Real Estate Law 3
10110168 Criminal Procedures 3
10110135 Comp Appl-Law Office Pers 3

Fifth Term Credits
10809196 Intro to Sociology 3
10110105 Legal Writing 3
10110114 Administration of Estates 3
10110143 Paralegal Internship/Field Study 3
10809198 Intro to Psychology 3

Program Credits 63
Typical Start: Fall

The Paralegal program is an ABA (American Bar Association) approved program. www.americanbar.org/aba.html
As an Emergency Medical Technician (EMT), you’re on the front lines providing lifesaving care to people in need. You’ll learn how to assess a patient’s illness or injury, render aid, and use proper procedures and precautions when treating a patient. This 180-hour course covers all the situations you are likely to encounter as an EMT, including emergency childbirth, airway obstruction, bleeding, fractures, shock, heart attack and stroke, and other medical emergencies, as well how to stabilize and safely transport the patient to a medical facility.

Although most EMTs work for ambulance services, fire departments and hospitals also employ them.

Core courses are offered in a traditional format during the day with some offered online and blended. General education classes are available in tradition and online formats.

Students are required to take a practical and written exam to become nationally registered, and then apply for a license to work as EMTs in Wisconsin. Continue your education to earn a technical diploma or associate’s degree for further job opportunities and earning potential.

If you are already certified as an Emergency Medical Technician (EMT), this course provides additional training that allows you to provide even more lifesaving care. Advanced patient assessment, communication, and beginning advanced life support interventions are among the topics covered.

Courses in this certificate program can be applied to Western’s EMT-Paramedic technical diploma and Paramedic Technician associate’s degree if you choose to continue your education.
Save lives as an EMT-Paramedic. Paramedics respond to emergencies and provide aid to victims of accidents or those experiencing a medical emergency such as cardiac arrest. Under direct medical control, these professionals render advanced aid by administering medication, performing and interpreting diagnostic tests such as EKGs, and intubating patients, in addition to performing the basic lifesaving measures of an EMT. The program offers a combination of classroom learning and field experiences.

Increased job opportunities will be available to you as a paramedic. In addition to ambulance services and fire departments, paramedics can find themselves working in industrial settings, in correctional facilities, and in hospital emergency rooms.

After successfully completing the program, you’re ready to take the National Registry Paramedic written and practical examination in order to be eligible for a license in Wisconsin. You may also choose to continue at Western to earn a Paramedic Technician associate’s degree for increased earning potential.

Can you respond to life or death situations in a calm and controlled manner? As a paramedic technician, you’ll be first on the scene to provide critical care to the ill or injured. You need to be able to work independently, make decisions quickly, and most of all, be trained to use advanced lifesaving techniques in emergency situations. Through classroom instruction and valuable field experience, this associate’s degree program will provide you with the skills you need to work for ambulance services, fire departments, police departments, or hospitals.

After successfully completing the program, you’re ready to take the National Registry Paramedic written and practical examination in order to be eligible for a license in Wisconsin. You may also choose to continue at Western to earn a Paramedic Technician associate’s degree for increased earning potential.
Automation Systems Technology Pathway

Industrial Machine Controls  #306201
Technical Diploma

Western Technical College’s district is expected to see a double-digit increase in the need for workers to maintain automated control systems. The Industrial Machine Controls technical diploma provides you with the basic skills to observe and test the operation of machinery, diagnose problems, repair and maintain the operating condition, and study blueprints or manufacturer’s manuals to determine correct installation or operation.

Completion of the technical diploma can lead to employment within industrial or manufacturing settings to repair and maintain equipment. Or, you can choose to continue your education and earn the Electromechanical Technology associate’s degree for additional career opportunities and earning potential.

Automation Systems Technology  #106641
Associate of Applied Science

This program is designed to give you the skills you need to enter the growing field of automation/robotic systems in areas that include industrial manufacturing, industrial controls and automation, and robotics.

In manufacturing operations, technicians are responsible for setup, troubleshooting, repairs, and modifying programs in automated manufacturing lines.

Well-trained automation systems technicians are able to tackle the complexity of machinery used in advanced manufacturing with skills in sensors, Programmable Logic Controllers (PLCs), Human Machine Interfaces (HMIs), drives, and robotics.

Typical Start: Fall
Electromechanical Technology Pathway

Electromechanical Maintenance Technician  #316203
Technical Diploma

From high tech to low tech, robotics to mining, the field of electromechanics offers you variety and the opportunity to work with mechanical, electric, and electronic systems.

In this role, you’ll work with machine operators and with MMS (maintenance management system) software to maintain industrial equipment and keep operational uptime at an optimal level. When you complete the program, you may transfer directly into the second year of the Electromechanical Technology associate’s degree program, or seek employment in the field.

<table>
<thead>
<tr>
<th>First Term</th>
<th>Credits</th>
<th>Second Term</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>10620130 Intro to Electromechanical Tech</td>
<td>2</td>
<td>10801136 English Composition 1</td>
<td>3</td>
</tr>
<tr>
<td>10620135 Basic Industrial Controls</td>
<td>2</td>
<td>10620144 Mechanical Drives</td>
<td>2</td>
</tr>
<tr>
<td>10660117 DC Circuits Analysis</td>
<td>2</td>
<td>10620112 Fluid Power Fund</td>
<td>2</td>
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<tr>
<td>10606163 AutoCAD Level 1</td>
<td>2</td>
<td>10620100 Pumps and Gear Boxes</td>
<td>2</td>
</tr>
<tr>
<td>10420105 Machining for Maintenance</td>
<td>3</td>
<td>10620158 PLC Applications</td>
<td>2</td>
</tr>
<tr>
<td>10442109 Welding for Maintenance</td>
<td>3</td>
<td>10620153 Basic PLC Progr w/ Dgtl Apps</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10620165 Robotics Maintenance</td>
<td>2</td>
</tr>
<tr>
<td>Program Credits</td>
<td>29</td>
<td>Typical Start: Fall</td>
<td></td>
</tr>
</tbody>
</table>

Gainful Employment Information: www.westerntc.edu/elec-maint-tech-ge

Electromechanical Technology  #106201
Associate of Applied Science

With the mechanical and technical skills developed through our Electromechanical Technology program, you’ll be well prepared for a rewarding career in manufacturing. A combination of theory and hands-on experience, as well as general education courses, will give you the skills needed to enter a high-demand field working with automated control systems that integrate with computers, hydraulics, pneumatics, and mechanical control systems. You’ll be exposed to the latest technology in the field and graduate with an up-to-date skill set.

The program emphasizes programmable logic controls, motor controls, circuit operations, and digital and analog systems. Graduates may work with computer-controlled machine tools, programmable logic controllers, fluid power systems, mechanical drives and mechanisms, automated systems, and robotics, to name a few of the many options.

<table>
<thead>
<tr>
<th>First Term</th>
<th>Credits</th>
<th>Second Term</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>10620130 Intro to Electromechanical Tech</td>
<td>2</td>
<td>10620120 Motors &amp; Drives</td>
<td>2</td>
</tr>
<tr>
<td>10620135 Basic Industrial Controls</td>
<td>2</td>
<td>10620139 Advanced PLC Programming</td>
<td>2</td>
</tr>
<tr>
<td>10660117 DC Circuits Analysis</td>
<td>2</td>
<td>10620141 Industrial Networking</td>
<td>2</td>
</tr>
<tr>
<td>10606163 AutoCAD Level 1</td>
<td>2</td>
<td>10620164 Automation Systems Integration</td>
<td>2</td>
</tr>
<tr>
<td>10420105 Machining for Maintenance</td>
<td>3</td>
<td>10806154 General Physics 1</td>
<td>4</td>
</tr>
<tr>
<td>10442109 Welding for Maintenance</td>
<td>3</td>
<td>10809198 Intro to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>10804113 College Tech Math 1A</td>
<td>3</td>
<td>10660118 AC Circuit Analysis</td>
<td>2</td>
</tr>
<tr>
<td>Program Credits</td>
<td>66</td>
<td>Typical Start: Fall</td>
<td></td>
</tr>
</tbody>
</table>

Completion of this program ladders into the Manufacturing Systems Maintenance Technician program (MSMT) listed on page 56.
Robotic Welding & Fabrication Specialist  
Technical Diploma

This technical diploma will prepare you to properly program and operate welding robots. Training on the latest technology will cover the basic engineering principles of programming skills to create welding processes that meet specifications for various patterns, joint types, and positions. In addition, coursework will cover material science, computer-aided design (CAD), automation, codes, inspections, testing, and quality assurance.

**First Term**
- 31442301 Wldg-Oxy Metals Joining 1
- 31442302 Welding Fabrication 1 2
- 31442303 Welding-SMAW 1 2
- 31442306 Welding-GMAW 1 2
- 31442308 Welding-Blueprint Reading 1
- 31442310 Wldg-Oxy-Fuel Metals Cutting 1
- 31442315 Wldg- Tungsten Inert Gas 1 2
- 31442316 GMAW 2 2
- 31804317 Applied Math- Welding 1

**Second Term**
- 31442312 Welding Fabrication 2 2
- 10442111 Advanced Robotic Fabrication 2
- 10606184 Solidworks 2
- 10442110 Robotic Welding Operation 2
- 31442326 Welding-GMAW 3 2
- 31442328 Welding Biptn Reading 2 2
- 31801330 Applied Comm Skills 2
- 31442313 Welding-SMAW 2 2

**Program Credits** 30
**Typical Start:** Fall

Gainful Employment Information:
www.westerntc.edu/robotic-welding-fab-spec-ge

Precision Machining and Programming Pathway

**CNC Operator**  
Certificate

This single-semester introduction to industrial maintenance will provide an understanding of the field and develop basic electrical and mechanical skills. Once completed, you can build on what you have learned by pursuing a one-year technical diploma in Industrial Electronics & Maintenance, then continue on to obtain a five-semester diploma in Manufacturing Systems Maintenance.

**First Term**
- 31420302 Blueprint Reading 1
- 31444300 CNC Production Lathe - Operation 1
- 31420314 Machining: Intro to Machining 1
- 31444301 CNC Production Mill - Operation 1
- 31420372 Measurement & Inspection 1
- 31804334 Manufacturing Math 1 1

**Program Credits** 6
**Typical Start:** Fall

Completion of this program ladders into the Manufacturing Systems Maintenance Technician program (MSMT) listed on page 56.

**Basic Machining**  
Technical Diploma

This program provides students with instruction and practice in various areas needed to attain entry level knowledge and skills in basic manual machining processes and CNC machine operations utilized in the production of machined components and parts. This technical diploma is also an embedded component of the new Manufacturing Systems Maintenance technical diploma.

**First Term**
- 31420302 Blueprint Reading 1
- 31444300 CNC Production Lathe - Operation 1
- 31420314 Machining: Intro to Machining 1
- 31444301 CNC Production Mill - Operation 1
- 31420341 Vertical Milling Operations 2
- 31420342 Lathe Turning Operations 3
- 31420372 Measurement & Inspection 1
- 31804334 Manufacturing Math 1 1
- 31420327 Machining: Surface Grinding Processes 1

**Program Credits** 12
**Typical Start:** Fall
**Also Spring Start Format Available**

Completion of this program ladders into the Manufacturing Systems Maintenance Technician program (MSMT) listed on page 56.
**Precision Machining & Programming**

**Technical Diploma**

Combine your mechanical aptitude and attention to detail with computer-based design. As a machine tool operator, you will create precision-machined parts that are used in industrial applications—from aerospace to consumer product manufacturing. You’ll develop hands-on skills in computer aided drafting (CAD), computer aided manufacturing (CAM) software, and the machining equipment it controls. You’ll be involved in every phase of part production, working from blueprints and CAD drawings, programming the equipment, machining the parts to exact specifications, and inspecting them to tolerances of 1/30th the diameter of a hair using precision instruments. Skilled machinists are in great demand for specialized tool-making operations and most types of manufacturing. Opportunities for career advancement grow with your experience.

<table>
<thead>
<tr>
<th>First Term</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>31420302 Blueprint Reading</td>
<td>1</td>
</tr>
<tr>
<td>31444300 CNC Production Lathe- Operation</td>
<td>1</td>
</tr>
<tr>
<td>31420314 Machining: Intro to Machining</td>
<td>1</td>
</tr>
<tr>
<td>31444301 CNC Production Mill- Operation</td>
<td>1</td>
</tr>
<tr>
<td>31420341 Vertical Milling Operations</td>
<td>2</td>
</tr>
<tr>
<td>31420342 Lathe Turning Operations</td>
<td>3</td>
</tr>
<tr>
<td>31420372 Measurement &amp; Inspection</td>
<td>1</td>
</tr>
<tr>
<td>31804334 Manufacturing Math 1</td>
<td>1</td>
</tr>
<tr>
<td>31420327 Machining: Surface Grinding Processes</td>
<td>1</td>
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<table>
<thead>
<tr>
<th>Second Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>31420343 Machining Practicum</td>
<td>2</td>
</tr>
<tr>
<td>31444302 Machine Setup for CNC Milling</td>
<td>2</td>
</tr>
<tr>
<td>31444303 Machine Setup for CNC Turning</td>
<td>2</td>
</tr>
<tr>
<td>31444304 Tooling &amp; Work Holding CNC Machining</td>
<td>1</td>
</tr>
<tr>
<td>31804335 Manufacturing Math 2</td>
<td>1</td>
</tr>
<tr>
<td>31804338 Manufacturing Math 3</td>
<td>1</td>
</tr>
<tr>
<td>31606320 Solid Model Use for Manuf</td>
<td>2</td>
</tr>
<tr>
<td>31420350 Geom Dimen &amp; Tol</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Term</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>31444305 Programming/CAM for CNC Milling</td>
<td>2</td>
</tr>
<tr>
<td>31444306 Programming/CAM for CNC Turning</td>
<td>2</td>
</tr>
<tr>
<td>31420349 Precision Maching Capstone</td>
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</tbody>
</table>

**Program Credits**: 32

**Typical Start**: Fall

Gainful Employment Information: [www.westerntc.edu/precision-mach-prog-ge](http://www.westerntc.edu/precision-mach-prog-ge)

Manufacturing Systems Maintenance Technician Pathway

**Technical Diploma**

For the person who likes variety and has an interest in how machines work, a position as an industrial mechanical maintenance technician may be a satisfying career choice.

As a technician, you will work in a manufacturing facility to repair and modify machines and components. This technical diploma covers a range of machining processes, fabrication, Computer Numerical Controls (CNC), and basic welding.

The program provides a pathway to technical diplomas in Basic Welding or Basic Machining, and is a component of the Manufacturing Systems Maintenance Technical Diploma.

<table>
<thead>
<tr>
<th>First Term</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>31420302 Blueprint Reading</td>
<td>1</td>
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<tr>
<td>31444300 CNC Production Lathe-Op</td>
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<tr>
<td>31420314 Machining: Intro to Machining</td>
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<tr>
<td>31444301 CNC Production Mill-Op</td>
<td>1</td>
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<tr>
<td>31420341 Vertical Milling Operations</td>
<td>2</td>
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<tr>
<td>31420342 Lathe Turning Operations</td>
<td>3</td>
</tr>
<tr>
<td>31420372 Measurement &amp; Inspection</td>
<td>1</td>
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<tr>
<td>31804334 Manufacturing Math 1</td>
<td>1</td>
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<tr>
<td>31420327 Machining: Surface Grinding Processes</td>
<td>1</td>
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</table>

<table>
<thead>
<tr>
<th>Second Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>31442301 Wldg-Oxy Fuel Metals Joining</td>
<td>1</td>
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<tr>
<td>31442302 Welding Fabrication 1</td>
<td>2</td>
</tr>
<tr>
<td>31442303 Welding-SMAW 1</td>
<td>2</td>
</tr>
<tr>
<td>31442306 Welding-GMAW 1</td>
<td>2</td>
</tr>
<tr>
<td>31442308 Welding-Blueprint Reading 1</td>
<td>1</td>
</tr>
<tr>
<td>31442310 Wldg-Oxy-Fuel Metals Cutting</td>
<td>1</td>
</tr>
<tr>
<td>31442315 Wldg- Tungsten Inert Gas 1</td>
<td>2</td>
</tr>
<tr>
<td>31442316 GMAW 2</td>
<td>2</td>
</tr>
</tbody>
</table>

**Program Credits**: 25

**Typical Start**: Fall

Gainful Employment Information: [www.westerntc.edu/mech-maint-ge](http://www.westerntc.edu/mech-maint-ge)

Completion of this program ladders into the Manufacturing Systems Maintenance Technician program (MSMT) listed on page 56.

Manufacturing Systems Maintenance Technician cont. on next page
For the person who likes variety and has an interest in how machines work, a position as an industrial maintenance technician may be a satisfying career choice.

As a technician, you can work in a manufacturing facility to repair, modify, and maintain machines and components. Some of the skills you will develop in this program include machining, CNC (Computer Numerical Controls), motor controls, PLCs (Programmable Logic Controllers), basic welding, and HVACR (Heating, Ventilation, Air Conditioning, and Refrigeration).

The program provides a pathway to technical diplomas in Industrial Electrical/Mechanical Maintenance; Air Conditioning, Heating and Refrigeration; Basic Welding; or Basic Machining, all of which are components of the five-term Manufacturing Systems Maintenance technical diploma.

### First Term
- **Blueprint Reading 1**
- **CNC Production Lathe-Op 1**
- **Machining: Intro to Machining 1**
- **CNC Production Mill-Op 1**
- **Vertical Milling Operations 2**
- **Lathe Turning Operations 3**
- **Measurement & Inspection 1**
- **Manufacturing Math 1 1**

### Second Term
- **Intro to Electromechanical Tech 2**
- **Basic Industrial Controls 2**
- **DC Circuits Analysis 2**
- **AutoCAD Level 1 2**
- **Machining for Maintenance 3**
- **Welding for Maintenance 3**

### Third Term
- **English Composition 1 3**
- **Mechanical Drives 2**
- **Fluid Power Fund 2**
- **Pumps and Gear Boxes 2**
- **PLC Applications 2**
- **Basic PLC Progr w/ Dgtl Apps 2**
- **Robotics Maintenance 2**

### Fourth Term
- **Lean Prod Techniques & Syst 2**
- **HVACR Refrigeration 4**
- **HVACR Forced Air Heating 4**
- **HVACR Elec Motors & Cntrls 4**

### Fifth Term
- **Weld-Oxy-Fuel Metals Cutting 1**
- **Weld-Oxy Fuel Metals Joining 1**
- **Weld-Shield Metal Arc (SMAW) 2**
- **Weld-Fabrication 1 2**
- **Weld-Tungsten Inert Gas 1 2**
- **GMAW 1 2**
- **GMAW-2 2**
- **Blueprint Reading 1**

### Program Credits
- **68**

**Typical Start:** Fall, Spring

**Gainful Employment Information:**
www.westerntc.edu/msmt-ge

The following programs are also included in the Manufacturing Systems Maintenance Technician Pathway (MSMT):

- **CNC Operator** #614443 see page 55
- **Basic Machining** #304201 see page 55
- **Basic Welding** #304429 see page 57
- **Mechanical Maintenance** #304622 see page 54
- **Electromechanical Maintenance Technician** #316203 see page 53
**Welding Pathway**

**Basic Welding**  
#304429  
Technical Diploma

Gain an understanding of welding techniques and develop basic skills that are needed to continue in this high-demand field. The technical diploma is an embedded component of the Manufacturing Systems Maintenance Technician technical diploma.

**First Term Credits**
- 31442301 Welding-Oxy Fuel Metals Join 1
- 31442302 Welding Fabrication 1 2
- 31442303 Welding-SMAW 1 2
- 31442306 Welding-GMAW 1 2
- 31442308 Welding-Blueprint Reading 1 1
- 31442310 Welding-Oxy-Fuel Metals Cut 1
- 31442315 Welding-TIG 1 2
- 31804317 Applied Math- Welding 1

**Program Credits**  
14

**Typical Start: Fall**

Gainful Employment Information:  
www.westerntc.edu/welding-fab-ge

**Welding & Fabrication**  
#314421  
Technical Diploma

Skilled welders are in great demand, and the outlook for employment remains good in our region and nationwide as the manufacturing and construction industries continue to grow. With good math skills, attention to detail, and a preoccupation with quality, you could make welding a career.

Our program covers theory and practice in all types of welding: shielded metal arc, oxy-fuel, gas metal arc, and gas tungsten arc. You’ll be schooled in the proper use of tools and equipment, safety, and blueprint reading as you practice welding joints in all positions and on all types of metals.

Heavy construction and manufacturing depend on skilled welders and offer excellent wages to those who are up to the challenge.

**First Term Credits**
- 31442301 Welding-Oxy Fuel Metals Join 1
- 31442302 Welding Fabrication 1 2
- 31442303 Welding-SMAW 1 2
- 31442306 Welding-GMAW 1 2
- 31442308 Welding-Blueprint Reading 1 1
- 31442310 Welding-Oxy-Fuel Metals Cut 1
- 31442315 Welding-TIG 1 2
- 31804317 Applied Math- Welding 1
- 31442316 Welding-GMAW 2 2

**Program Credits**  
30

**Typical Start: Fall**

Gainful Employment Information:  
www.westerntc.edu/welding-fab-ge
Digital Marketing Pathway

**Digital Marketing Specialist**  
**#311045**

**Technical Diploma**

Digital marketing is a key strategy for promoting a company's product or service. This technical diploma program provides an introduction to marketing principles and explores methods for developing an online strategy. As part of your coursework, you will conduct actual marketing research for a business and use it to create and implement a promotional plan.

**First Term**

- 10104184 Promotion Principles 3
- 10104114 Marketing Principles 3
- 10104103 Marketing Career Preparation 3
- 10154102 Software Applications for Business 3

**Second Term**

- 10104175 Digital Design Components 2
- 10104176 Digital Advertising 3
- 10104169 Internet Marketing 2
- 10104168 Content and Copy Writing 2
- 10801136 English Composition 1 3

**Third Term**

- 10104109 Social Media Strategies 3
- 10104155 Marketing Research 3
- 10804123 Math w Business Apps 3
- 10809199 Psychology of Human Relations 3

**Program Credits** 36

**Typical Start:** Fall

Gainful Employment Information:
www.westerntc.edu/digital-marketing-specialist-ge

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**Digital Marketing**  
**#101048**

**Associate of Applied Science**

The Digital Marketing program explores marketing with a focus on managing various popular digital tools effectively. Course content is regularly updated to remain relevant in today’s rapidly shifting digital marketplace, including website content management, marketing analytics, SEO, social media, digital advertising, copywriting, and e-commerce, as well as the fundamentals of marketing and marketing strategies.

This associate’s degree provides you with the foundation, concepts, tools, and skill set necessary to market a business in today's digital environment.

Flexible delivery methods for this program include attending one evening per week, fully online, in La Crosse, or at our regional locations.

**First Term**

- 10104184 Promotion Principles 3
- 10104114 Marketing Principles 3
- 10104103 Marketing Career Preparation 3
- 10154102 Software Applications for Business 3

**Second Term**

- 10104175 Digital Design Components 2
- 10104176 Digital Advertising 3
- 10104169 Internet Marketing 2
- 10104168 Content and Copy Writing 2
- 10801136 English Composition 1 3

**Third Term**

- 10104109 Social Media Strategies 3
- 10104155 Marketing Research 3
- 10804123 Math w Business Apps 3
- 10809199 Psychology of Human Relations 3

**Fourth Term**

- 10104152 Project Management Principles 3
- 10104106 E-Commerce 3
- 10104174 SEO and Marketing Analytics 3
- 10801196 Oral/Interpersonal Comm. 3

**Fifth Term**

- 10104111 Consumer Behavior 3
- 10809195 Economics 3
- 10104117 Integrated Marketing Campaign 3
- 10104182 Personal Brand Management 3

**Program Credits** 60

**Typical Start:** Fall
Marketing Management  #101043
Associate of Applied Science

If managing a team, planning business strategies, and being creative every day appeals to you, a career in marketing management can be an interesting and rewarding choice. In this program you’ll learn to use the latest tools and develop skills in promotion, advertising, event planning, public relations, customer relationship strategies, sales techniques, and effective business use of social media.

A variety of careers are available within retail, manufacturing, distribution, service businesses, nonprofits, and even government agencies. Marketing skills are also very important for entrepreneurs who operate their own businesses.

First Term
10104103 Marketing Career Preparation 3
10104114 Marketing Principles 3
10104119 Selling Principles 3
10154102 Software App for Business 3
10104184 Promotion Principles 3

Second Term
10104155 Marketing Research 3
10104175 Digital Design Components 2
10104176 Digital Advertising 3
10104169 Internet Marketing 2
10104168 Content and Copy Writing 2
10801136 English Composition 1

Fourth Term
10801196 Oral/Interpersonal Communications 3
10104152 Project Management Principles 3
10104110 Marketing Financials 3
10104141 Product Management 3
10804123 Math w Business Applications 3
10104109 Social Media Strategies 3

Fifth Term
10104146 Marketing Management 3
10104182 Personal Brand Management 3
10104172 Retail Sales Management 3
10809195 Economics 3
10809199 Psych of HR 3

Program Credits 63
Typical Start: Fall
The path represents a laddered approach to career preparation. Graduates can enter the workforce directly, or use the certificate as the first rung of the ladder that can lead to a Sales Representative technical diploma or Sales Management associate’s degree.

First Term
- 10104128 Professionalism and Success 3
- 10106106 Quality Customer Service 3

Program Credits
- 6

Typical Start: Fall

The pathway represents a laddered approach to career preparation. Graduates can enter the workforce directly, or use the certificate as the first rung of the ladder that can lead to a Sales Representative technical diploma or Sales Management associate’s degree.

First Term
- 10104128 Professionalism and Success 3
- 10106106 Quality Customer Service 3

Program Credits
- 6

Typical Start: Fall

The Sales Fundamentals program is designed to prepare you for a career in sales or customer service. This one-term, four-course certificate program teaches the skills that help you represent a business or service. You’ll learn customer service and problem-solving, professionalism, selling principles, and business software in preparation for roles in which first impressions matter, including inbound sales representatives and customer service professionals.

Completion of the course puts you on the path to a technical diploma in the Sales Representative Program, which can lead to an associate’s degree in Sales Management if you choose. Either way, you’ll be developing the skills that employers value.

First Term
- 10104128 Professionalism and Success 3
- 10106106 Quality Customer Service 3
- 10154102 Software Applications for Business 3
- 10104119 Selling Principles 3

Program Credits
- 12

Typical Start: Fall

You can go far with strong sales skills, and our program lays the groundwork for career success. In this technical diploma program, you’ll learn the interpersonal, technical, and professional skills that will prepare you for a career in inside, outside, and retail sales, or customer service. You’ll study business principles, marketing, finance, and communication, in addition to sales strategies and ethics.

The technical diploma is the third step in the Customer Service and Sales Career Pathway. Completing this course successfully means you have business credentials that can lead to employment, promotion, and higher pay. Or, you can choose to pursue an associate’s degree in Sales Management.

Some classes are offered online and in a blended format that includes Interactive Distance Learning.

Gainful Employment Information: www.westerntc.edu/sales-rep-ge

Typical Start: Fall, Spring

Gainful Employment Information: www.westerntc.edu/sales-rep-ge
Do you envision yourself in a management position? Do you have a competitive streak, a desire to motivate people, and are interested in a career with great income potential? If so, sales management may be the field for you.

You’ll begin by learning the basics of excellent customer service and progress through advanced selling techniques and sales force management. Our Sales Management program prepares you for a leadership position by giving you a comprehensive background in business practices and principles, finance, marketing, supervision, and project management. Whether you have just decided on a career in sales, or are already in the sales force and would like to move into a management position, you’ll develop valuable skills that can lead to greater opportunities.

Most classes are offered in a traditional setting, online, or a combination of the two. Interactive Distance Learning is also available at some locations.

<table>
<thead>
<tr>
<th>Sales Management Pathway cont.</th>
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<tr>
<td><strong>Sales Management</strong> #101042</td>
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<tr>
<td><strong>Associate of Applied Science</strong></td>
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<tr>
<td>Do you envision yourself in a management position? Do you have a competitive streak, a desire to motivate people, and are interested in a career with great income potential? If so, sales management may be the field for you.</td>
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<td>10154102 Software Appl for Business</td>
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<td>10104119 Selling Principles</td>
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<td>10102106 Introduction to Business</td>
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<tr>
<td>10104164 Principles of Inside Sales</td>
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<td>10801136 English Composition 1</td>
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<tr>
<td>10801198 Speech</td>
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<td>10104110 Marketing Financials</td>
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<td>10104163 Advanced Professional Selling</td>
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<td>10809195 Economics</td>
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<td><strong>Fourth Term</strong></td>
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<td>10809166 Intro to Ethics: Theory &amp; App</td>
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<tr>
<td>10102108 Entre Explor Mindset</td>
<td>3</td>
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<tr>
<td>10102134 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>10196134 Legal Issues For Supervisors</td>
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<tr>
<td><strong>Fifth Term</strong></td>
<td><strong>Credits</strong></td>
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<tr>
<td>10804123 Math w Business Apps</td>
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<tr>
<td>10809198 Intro to Psychology</td>
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</tr>
<tr>
<td>10104152 Project Mgmt Principles</td>
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<tr>
<td>10104165 Sales Team Management</td>
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<td><strong>Program Credits</strong></td>
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<td><strong>Typical Start: Fall, Spring</strong></td>
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</table>
Bio-Medical Electronics  #106056

Associate of Applied Science

Technology is a critical part of today’s healthcare environment, and the people who maintain it play an important role. As a bio-medical electronic technician, you’ll bridge the distance between technology and patient care by working with medical personnel to ensure the proper, safe, and optimal use of electronic devices. You’ll apply your knowledge in equipment mechanics, hydraulics, pneumatics, networking, and more to medical equipment including nerve stimulators, monitors, and infusion pumps, imaging systems, dialysis units, and heart-lung bypass machines.

If you have an interest in the medical field, the BMET program can open the door to many career options. You may find yourself working in an operating room, a renal dialysis center, sleep lab, or an oncology department. Site-based learning is emphasized with clinical study and internships. The medical field is particularly rewarding if you want to use your skill in technology to help others.

First Term
10804113 College Technical Math 1A 3
10605100 Intro To BioMed Technology 1
10660115 DC/AC 1 3
10660116 DC/AC 2 3
10806120 Body Structure & Function 3

Second Term
10806154 General Physics 1 4
10605121 BioMed Codes/Stand/PM/QA 2
10605206 Medical Instrumentation 3
10660125 Electronic Devices 4
10660106 Basic Soldering 1

Third Term
10801136 English Composition 1 3
10150101 IT Hardware/Software Fund 3
10809199 Psychology of Human Relations 3
10809196 Intro to Sociology 3

Fourth Term
10605174 BioMed Science Applications 3
10605203 On-Site BioMed Clinical Experience 1 3
10150110 Cisco 1: Networking Fund 3
10660131 Digital Fundamentals 1
10660132 Digital Applications 1
10605207 Troubleshooting: Medical Systems 2
10660127 Trblshgtg: Mech & Electro Systems 2

Fifth Term
10801197 Technical Reporting 3
10605205 Biomedical Networking Apps 2
10605202 Medical Imaging Systems 4
10605208 Advanced Bio-Medical Internship 3

Program Credits 66

Typical Start: Fall

Gainful Employment Information:
www.westerntc.edu/cad-tech-ge

Computer Aided Design (CAD) Technician  #316062

Technical Diploma

You can have a hand in designing products with an education in Computer Aided Design (CAD). CAD technicians work closely with engineers as they prepare and revise technical drawings and documentation used to build products for a variety of industries.

The course includes instruction in 2D and 3D CAD software, Computer Aided Manufacturing (CAM) software, and other technical tools used in the field. You might find this a rewarding field if you are strong in algebra and have an interest in manufacturing processes and engineering materials. Also important are good communication skills and an eye for details. Hands-on experiences complement classroom learning.

First Term
10420119 Mfg and Eng Materials 3
10606137 Sketching & Auto CAD Level 1 2
10606147 Sketching & Auto CAD Level 2 2
10606115 Parametric Design 1 3
10606165 Geometric Dim & Tolerance 3

Second Term
10420120 Mfg Processes/Machining CAM 3
10605138 Fund Of Elecs & Fabrication 2
10606133 Parametric Design 2 4
10606184 Solidworks 2
10801136 English Composition 1 3

Program Credits 27

Typical Start: Fall

Gainful Employment Information:
www.westerntc.edu/cad-tech-ge
## Electronic & Computer Engineering Technology - CET  
**#106632-CET**

### Associate of Applied Science

Turn your talent for computers into an exciting career with a degree in Computer Engineering Technology. The program combines electronics and digital theory, providing a comprehensive background in both hardware and software through classroom and laboratory learning. Graduates are prepared for technical careers working with PC-based systems, digital/analog equipment, and troubleshooting and maintaining hardware, software, networking, and interfaces.

In this program, you will study basics of electronic devices, technical math, physics, computer language, circuitry, data acquisition and networking, and other aspects of computer engineering. Rounding out the curriculum are courses in communication, sociology, psychology, and speech. You’ll demonstrate competency with an individual project at the end of the course, which will include a hardware and software component, a written report, and an oral presentation complete with budget, timetable, schematics, and a daily log.

Upon completion, you can enter the workforce or take calculus courses at Western and transfer directly into the Computer Science bachelor's degree at UW-La Crosse.

<table>
<thead>
<tr>
<th>First Term</th>
<th>Credits</th>
<th>Fourth Term</th>
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<tbody>
<tr>
<td>10660115 DC/AC 1</td>
<td>3</td>
<td>10662153 Intro to LabVIEW</td>
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<td>10660116 DC/AC 2</td>
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<td>10662155 Introduction to Java</td>
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<td>10801116 English Composition 1</td>
<td>3</td>
<td>10662134 Embedded Systems</td>
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<tr>
<td>10804113 College Technical Math 1A</td>
<td>3</td>
<td>10662140 Data Comm &amp; Networking</td>
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<tr>
<td>10804114 College Technical Math 1B</td>
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<td>10606184 Solidworks</td>
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<th>Second Term</th>
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<td>10660125 Electronic Devices</td>
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<td>10662137 Digital Electronic Concepts</td>
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<td>10663170 Electronics Project</td>
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<td>10806154 General Physics 1</td>
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<tr>
<th>Third Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10809196 Intro to Sociology</td>
<td>3</td>
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<tr>
<td>10809198 Intro to Psychology</td>
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<tr>
<td>10801197 Technical Reporting</td>
<td>3</td>
<td>Typical Start: Fall</td>
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</table>

## Electronic & Computer Engineering Technology - EET  
**#106632-EET**

### Associate of Applied Science

A degree in Electrical Engineering Technology opens the door to many lucrative options. Upon completion of this associate's degree, you can land a job in a high-tech field or pursue a bachelor's degree at the Milwaukee School of Engineering (MSOE). Western's agreement with MSOE lets students who complete the program enter the Electrical Engineering Technology program as juniors.

Electrical engineering technicians work with electrical engineers to design and maintain a variety of circuits and systems, from PC networking to industrial electronics and communications systems. A combination of classroom study and hands-on lab work leads to a final capstone project in which you will design and complete a project that includes a hardware and software component, a written report and oral presentation, budget, schematics, and a daily log of progress. General education classes in writing, speech, sociology, and psychology help prepare you for success.

<table>
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<tr>
<th>First Term</th>
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<th>Fourth Term</th>
<th>Credits</th>
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<td>10660115 DC/AC 1</td>
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<tr>
<td>10660116 DC/AC 2</td>
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<td>10804113 College Technical Math 1A</td>
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<tr>
<td>10804114 College Technical Math 1B</td>
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<td>10662140 Data Comm &amp; Networking</td>
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<td>10801136 English Composition 1</td>
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<td>10606184 Solidworks</td>
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<th>Second Term</th>
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<tbody>
<tr>
<td>10660125 Electronic Devices</td>
<td>4</td>
<td>10605200 Industrial Control Systems</td>
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<td>10662137 Digital Electronic Concepts</td>
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<td>10662138 Communications Systems</td>
<td>3</td>
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<td>10804116 College Technical Math 2</td>
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<td>10663170 Electronics Project</td>
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<td>10806154 General Physics 1</td>
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<tbody>
<tr>
<td>10809196 Intro to Sociology</td>
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<td>63</td>
<td></td>
</tr>
<tr>
<td>10809198 Intro to Psychology</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>10801197 Technical Reporting</td>
<td>3</td>
<td>Typical Start: Fall</td>
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</tbody>
</table>
Mechanical Design Technology

Associate of Applied Science

Would you like to be part of a team that develops new products and designs solutions to technical problems? Using the mathematical and scientific problem-solving techniques you learn in this program, you could work with engineers to create new, more reliable, more sophisticated products, in less time.

You will create 3D CAD (Computer Aided Design) models of parts and assemblies to meet design requirements; produce working drawings that include dimensions, technical details, and materials to be used; evaluate materials and processes; produce engineering documentation; use CAD models for strength and motion analysis, machining and rapid prototyping; and develop organizational skills to keep projects on track.

There are many career opportunities for mechanical design technicians in research and development, manufacturing, sales, construction, inspection, and maintenance.

<table>
<thead>
<tr>
<th>First Term</th>
<th>Credits</th>
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<tr>
<td>10420119</td>
<td>Manufacturing &amp; Engineering Mtrls 3</td>
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<td>10606137</td>
<td>Sketching &amp; Auto CAD Level 1 2</td>
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<td>10606147</td>
<td>Sketching &amp; Auto CAD Level 2 2</td>
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<td>10606115</td>
<td>Parametric Design 1 3</td>
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<td>10606165</td>
<td>Geometric Dimension &amp; Tolerance 3</td>
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<tr>
<td>10801136</td>
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<td>Mfg Processes/Machining CAM 3</td>
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<td>Parametric Design 2 4</td>
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<td>Statics &amp; Strength Of Materials 4</td>
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<td>Mechanisms and Dynamics 3</td>
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<td>Design Analysis 3</td>
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<td>10606164</td>
<td>Design Problems 4</td>
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<td>10620112</td>
<td>Fluid Power Fundamentals 2</td>
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Program Credits: 62

Typical Start: Fall
Transportation, Distribution, & Logistics

Automotive Technician Pathway

Automotive Maintenance & Light Repair Technician - Level 1  #304041
Technical Diploma

You can be ready for an entry-level position at a repair shop, dealership, or service station after earning this technical diploma. It covers eight areas of automotive maintenance with an emphasis on learning by doing. The program provides training in diagnosis, maintenance, and repair of heating and cooling systems, shop safety, wheel balancing, vehicle safety, and shop management. You will also learn techniques to develop good study habits and improve personal effectiveness. Build upon these foundational skills by continuing with Western’s Automotive Service Technician - Level 2 technical diploma.

Classes are held at Western’s state-of-the-art Automotive Facility, located in La Crosse’s industrial park, 2721 Larson Street.

First Term Credits
32404302 Intro to Auto Technology 3
32404304 Basic Electrical Systems 3
32404308 Auto College Success & Study Skills 1
32404313 Basic Maintenance 3
31801330 Applied Communication Skills 2

Program Credits 12
Typical Start: Fall

Automotive Service Technician - Level 2  #304042
Technical Diploma

The knowledge and skills gained from this program will prepare you for a position as an automotive technician with responsibilities that are above entry-level. Coursework includes steering and suspensions, brake systems, and overall engine performance.

Emphasis is placed on hands-on experiences and includes the use of diagnostic equipment and emission control devices, computerized engine control systems, input sensors, output devices, and exhaust systems.

Classes are held at Western’s state-of-the-art Automotive Facility, located in La Crosse’s industrial park, 2721 Larson Street.

First Term Credits
32404302 Intro to Auto Technology 3
32404304 Basic Electrical Systems 3
32404308 Auto College Success & Study Skills 1
32404313 Basic Maintenance 3
31801330 Applied Communication Skills 2

Second Term Credits
32404322 Steering and Suspensions 3
32404326 Automotive Brake Systems 3
32404334 Engine Performance 1 3
31804336 Applied Math - Transportation 2

Program Credits 23
Typical Start: Fall

Gainful Employment Information:
www.westerntc.edu/auto-tech-level2-ge

Automotive Technician  #324042
Technical Diploma

Mechanically inclined? Like solving problems? If so, you might find a career as an automotive technician challenging as well as rewarding. With a focus on hands-on experiences in this technical diploma program, you’ll learn to diagnose and repair problems in engines, drive trains, brakes, electrical systems, steering, suspension, transmission systems as well as hybrid and alternative fuel systems. Coursework covers the basics of operating an automotive repair business. You’ll learn skills that will help you communicate with customers and gain valuable experience by making repairs on student and faculty vehicles in an actual shop.

The program prepares you for Automotive Service Excellence (ASE) certification. Graduates find jobs in car dealerships, independent repair shops, and other related areas. Classes are held at Western’s state-of-the-art Automotive Facility, located in La Crosse’s industrial park, 2721 Larson Street. Program instructors accept vehicle work from the public that fits with the topic they are covering in class.

First Term Credits
32404302 Intro to Auto Technology 3
32404304 Basic Electrical Systems 3
32404308 Auto College Success & Study Skills 1
32404313 Basic Maintenance 3
31801330 Applied Communication Skills 2

Second Term Credits
32404322 Steering and Suspensions 3
32404326 Automotive Brake Systems 3
32404334 Engine Performance 1 3
31804336 Applied Math - Transportation 2

Third Term Credits
32404357 Drive Systems 1 3
32404382 Automotive Climate Control 3
32404386 Intro to Hybrid & Alt Fuel Veh 3

Fourth Term Credits
10404195 Auto Occupational & Bus Op 3
32404353 Engine Repair 3
32404355 Automatic Transmissions 3
32404358 Chassis Electrical & Elect Sys 3

Fifth Term Credits
32404362 Engine Performance 2 3
32404366 Automotive Trade Simulation 3
32404367 Drive Systems 2 3
32404369 Automotive Internship 3

Program Credits 56
Typical Start: Fall

Gainful Employment Information:
www.westerntc.edu/auto-tech-ge

The Automotive Technician program is accredited by the ASE Education Foundation.
www.aseeducationfoundation.org
Diesel & Heavy Equipment Technician Pathway

**Diesel & Heavy Equipment Technician Assistant**  
Technical Diploma  
#314122

For the person who enjoys working with large equipment in a shop setting, the Diesel and Heavy Equipment Technician Assistant technical diploma combines knowledge of truck and heavy equipment repair, shop safety and industry practices, diesel engine components, fundamentals of electrical systems, transportation welding, and use of online service information. Graduates of this program work in truck and heavy equipment repair shops and are able to assist experienced technicians and perform basic entry level tasks and repairs. This course of study allows for a seamless transition into the second year of the Diesel and Heavy Equipment Technician technical diploma program for additional career opportunities and earning potential.

Classes are held at Western’s state-of-the-art Truck and Heavy Equipment Facility, located in La Crosse’s industrial park, 2719 Larson Street.

<table>
<thead>
<tr>
<th>First Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>32412400 Diesel Truck Preventive Maintenance 1</td>
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</tr>
<tr>
<td>32412401 Diesel Truck Powertrains 3</td>
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<tr>
<td>32412351 Diesel Truck Brake Systems 3</td>
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<td>32412403 Diesel Online Service Utilization 2</td>
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</tr>
<tr>
<td>32412404 Diesel Safety and Industry Practices 2</td>
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<tr>
<td>32412405 Diesel Heavy Truck &amp; Forklift Famil 1</td>
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<tr>
<th>Second Term</th>
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<tr>
<td>32412406 Diesel Electricity Fund 3</td>
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<tr>
<td>32412407 Diesel Electricity Troubleshooting 3</td>
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<tr>
<td>32412303 Diesel Basic Engines 3</td>
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<tr>
<td>32442317 Welding - Transportation 1</td>
<td></td>
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<tr>
<td>31801330 Applied Communication Skills 2</td>
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**Program Credits**  
27

Typical Start: Fall

Gainful Employment Information:  
www.westerntc.edu/diesel-tech-assistant-ge

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**Diesel & Heavy Equipment Technician**  
Technical Diploma  
#324121

As a diesel and heavy equipment technician, you’ll help keep business and industry moving by diagnosing and repairing diesel engines, heavy trucks, and heavy equipment. Our hands-on program covers the power trains, electrical/electronic systems, chassis systems, brakes, and hydraulics of this equipment. Students learn the latest technology used in the industry. Our interdisciplinary approach draws from welding and general studies to provide a solid background for entry into the field through applied, general, and specialized training. Most students complete the course in 21 months. Graduates have excellent career opportunities in a secure and rewarding field.

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<td>32412409 Diesel Advanced Engines 2</td>
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<td>32412321 HVAC - Diesel 2</td>
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<td>32412412 Diesel Advanced Electricity 3</td>
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<td>32412411 Alternative Fuels 1</td>
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<td>31804336 Applied Math - Transportation 2</td>
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<td>32412414 Diesel Hydraulic/Hydrostatic Syst 3</td>
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<td>32412415 Diesel Heavy Equip Inspec &amp; Famil 3</td>
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<td>32442327 Welding Heavy Equip Fab 2</td>
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</table>

**Program Credits**  
54

Typical Start: Fall

Gainful Employment Information:  
www.westerntc.edu/diesel-tech-ge

The Diesel and Heavy Equipment Technician program is accredited by the ASE Education Foundation.  
www.aseeducationfoundation.org
With a variety of strength training and cardio equipment, personal training, group fitness classes, intramural sports, and massage therapy, the Wellness Center at Western provides members with the facility and tools they need to live healthier lives.
Western Technical College is in full compliance with state and federal equal opportunity and affirmative action laws and regulations including Title IX of the 1972 Education Amendments, Title VI and VII of the Civil Rights Acts of 1964 and 1992, Section 504 of the 1973 Rehabilitation Act, the Americans with Disabilities Act of 1991, and Section 38.23 of the Wisconsin Statutes. It is the policy of the Board of the Western Technical College District not to discriminate on the basis of race, color, national origin, creed, sex, age, disability, arrest or conviction record, political affiliation, union or non-union affiliation, marital status, sexual orientation, family or medical leave, or membership of the National Guard, state defense force or any other reserve component of the military forces of the United States or Wisconsin, in employment, education programs, admissions and activities. Services, financial aid and other benefits of this College and those originating from the Wisconsin Technical College System Board are provided on a nondiscriminatory basis. Western is committed to the elimination of sex-role stereotyping. Coordination of Title IX and Section 504 have been assigned to the Employment Benefits and EEO Manager at Western Technical College, 400 Seventh Street North, Post Office Box C-0908, La Crosse, Wisconsin 54602-0908; telephone 608.785.9274.
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Want to learn more about a specific program?
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Apply Today!

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- Schedule a program shadow
- Set up a campus tour