

Western
Technical College

YOU BELONG HERE

And you are going to  being a Cavalier!

WESTERN PROGRAMS



2023-2024 VIEWBOOK

WE SEE YOU

We understand you want a better future. Western Technical College's coaches, advisors, instructors, and support staff are dedicated to your success. Come as you are and bring your willingness to learn.





Career Programs

Western offers one- and two-year programs that set you up for rewarding careers. Or, choose short-term certificates or apprenticeships to get started even faster!

Transfer Options

Is a bachelor's degree your ultimate goal? Earn credits at Western, transfer to a university, and save thousands of dollars in the process.

Credit for Prior Learning

If you took college credits in high school or have applicable work experience, let's talk! You can save even more by getting credit for your experience.



westerntc.edu/future-students

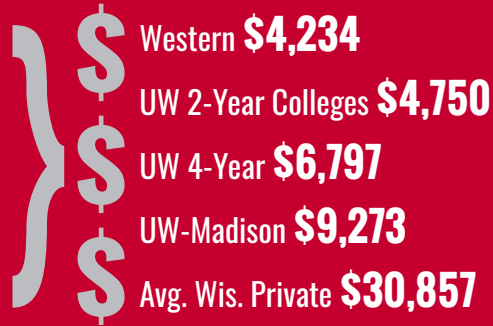
FIND YOUR VALUE

Our tuition is a fraction of public and private four-year universities. In addition to financial aid funding, Western offers more than 500 scholarships. Gain valuable experience without putting yourself in a financial hole.



Tuition Costs at Wisconsin Colleges

2021-2022 Tuition Data.
Source: IPEDS



60% of program students receive financial aid

2021-2022 academic year

\$632,066

in Scholarships Awarded

2021-2022 academic year



1126

number of Scholarships

2021-2022 academic year

39%

of students were employed when enrolling at Western

18% employed full-time, 21% employed part-time

Get connected with financial aid resources.



westerntc.edu/financial-aid

EXPERIENCE CAMPUS

Western offers a true college experience. Our La Crosse campus has a residence hall, library, wellness facilities, and varsity athletics. All of our campus locations provide access to support services, student clubs, and community connections.



5 Athletic Teams

Men's Baseball
Men's Basketball
Women's Basketball
Women's Volleyball
Esports



5 Regional Locations

Black River Falls
Independence
Mauston
Tomah
Viroqua



26 Student Clubs

Including program-specific clubs, DECA, Fine Arts, Phi Theta Kappa, and many more!

Make lifelong connections!



westerntc.edu/student-life

FACULTY EXPERIENCE

Our instructors are experts in their field and are dedicated to providing you with the skills needed to be successful. With our smaller class sizes, you won't be just another face in the crowd.





100%

of faculty have
worked in the
field they teach

100+

programs providing
hands-on learning

5,535

degree students
attended Western
in 2022-2023

You'll  Our Faculty!

*Several of our faculty members are featured throughout;
find out why they love teaching at Western!*

GRADUATE SUCCESS

**Western has the success rates to backup
our top-notch education.**



83%
of Western grads
are employed
in Wisconsin



96%
of grads are employed

98%
of graduates are
happy with
their education



- **100% of employers were satisfied with Western graduates' education**
- **100% of employers would recommend a Western graduate to another employer**
- **100% would hire a Western graduate again**

2021-22 Employer Satisfaction Survey

Apply now to become a Cavalier!



westerntc.edu/apply

TRANSFER OPTIONS

Starting at Western just makes sense. Many of our programs offer direct transfer options, or choose a general studies Science or Arts track. Save money, get a feel for college, and still earn the same bachelor's degree.



Top 4 Transfer Schools

- **Viterbo University**
- **University of Wisconsin-La Crosse**
- **Winona State**
- **University of Wisconsin-Eau Claire**

Associate of Arts

The AA program is designed for those interested in humanities, business, and social sciences.

Associate of Science

The AS program serves students who are interested in natural, physical, material, or medical sciences.

UW-Madison Pathway

Start the AS or AA degree and sign a transfer contract with UW-Madison to earn a full bachelor's degree online.

Viterbo Co-Admission

Get formally admitted to both Western and Viterbo University to get the benefits of both worlds.

Explore the possibilities!



westerntc.edu/university-transfer

COMPLETE HIGH SCHOOL AT WESTERN

Confidence is sometimes the biggest obstacle to accomplishing goals. Even if you don't think you can complete your high school diploma, much less earn a college degree, you should talk to someone at Western. You might be surprised at the things you can do, especially once you start!



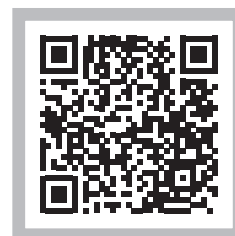
Students between the ages of 16 and 18 who are at risk of not graduating from their local high schools can also attend Western as an alternative high school to earn credits that satisfy graduation requirements.

Western is also a great place to earn a High School Equivalency Diploma (HSED) or General Educational Development (GED).

Our Learner Support classes prepare you to take these computer-based tests, which measure four areas of knowledge considered essential for career and college readiness.

**Find out more about Western's
high school credentials at:**

westerntc.edu/complete-high-school





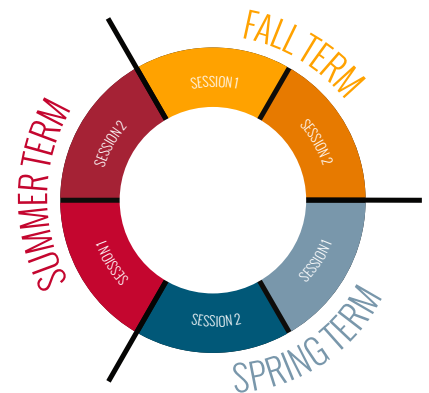
WESTERN

is transforming the way you learn!

Starting in Summer 2024, Western will start offering the majority of our courses in 7-week sessions. The academic calendar will still be in 15-week Spring, Summer, and Fall terms, but you will take fewer classes at a time!

With less of an academic load each session, the goal is for you to be more successful and reach your goals more quickly!

We're not just cramming 15-week courses into a 7-week time frame. We have restructured these courses to make sure you get the skills you need for the next step. The content covered will be well designed, and diverse teaching methods will be used. We've looked at all aspects of learning to help improve student success at Western!



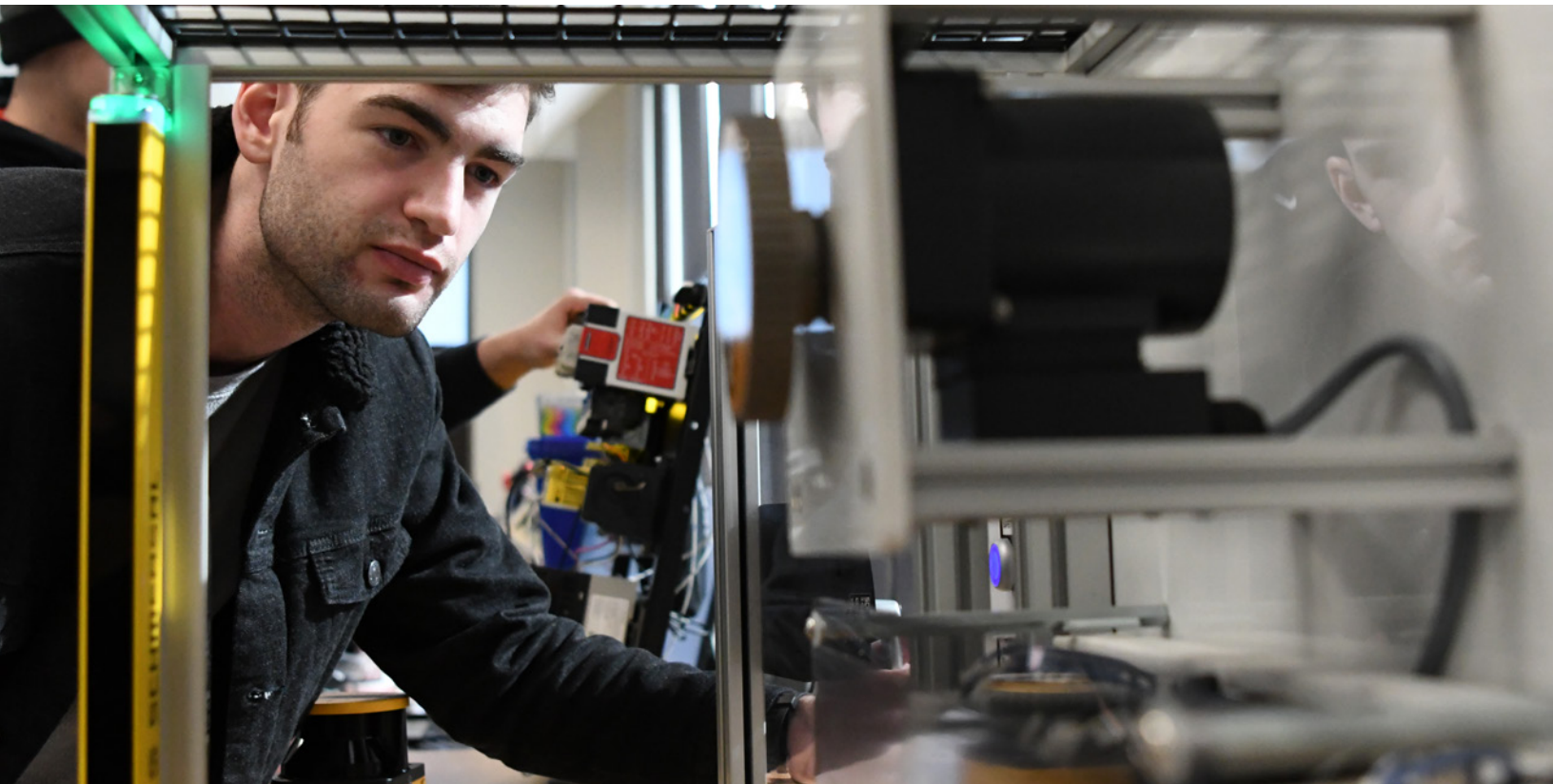
Connect with your Western Admissions Coach for more information about how this could look for you.



Or visit:
westernnc.edu/7-weeks

CAREER PATHWAYS

Career Pathways allow you to build your education as you plan your career advancement. Using stackable credits, you have the flexibility to advance your training at your own pace.



See the following program section and look for the graphic below to identify the pathways.



Certificate

Entry-level credential for quick employment, typically completed in less than one year.



Technical Diploma

Next level of skills, typically completed in one to two years.



Associate Degree

Advanced level of skills, typically completed in two years.

Build a career, one step at a time!



westerntc.edu/career-pathways

Our Programs

Accounting	37	Healthcare Technology Management	64
Accounting Assistant	37	Health Information Technology	38
Agri-Business Science.....	19	Health Office Assistant.....	32
Air Conditioning, Heating & Refrigeration Technology.....	22	Health Office Professional	32
Architectural Technology.....	22	Horticulture Plant Health Care.....	21
Associate of Arts Degree	17	Human Resource Management	29
Associate of Science Degree.....	18	Human Services Associate.....	46
Automotive Maintenance & Light Repair Technician - Level 1	66	Individualized Technical Studies (ITS).....	47
Automotive Service Technician - Level 2.....	66	Industrial Machine Controls.....	56
Automotive Technician	66	Interior Design	27
Basic Welding.....	59	IoT Integration Specialist	58
Building Construction and Cabinetmaking.....	23	IT - Computer Support Specialist	48
Building Science & Energy Management.....	24	IT - Computer Support Technician.....	48
Business Management	28	IT - Cybersecurity & Network Administration.....	49
Business Specialist	28	IT - Network Technician	49
Cabinetmaking	23	IT - Web & Software Developer	50
Computer Aided Design (CAD) Technician	63	Journeyworker	51
Criminal Justice.....	52	Landscape Horticulture Technician.....	21
Criminal Justice-Law Enforcement 720 Academy	52	Leadership Development	31
Customer Service Representative.....	61	Leadership & Supervision Professional.....	30
Dental Assistant	38	Legal Studies/Paralegal	53
Diesel & Heavy Equipment Technician.....	67	Mechanical Design Technology	65
Diesel & Heavy Equipment Technician Assistant.....	67	Mechatronic & Robotic Engineering Technology	56
Digital Marketing	60	Medical Administrative Professional.....	32
Digital Marketing Specialist.....	60	Medical Assistant	39
Digital Media Production.....	26	Medical Coding Specialist	39
Early Childhood Education.....	33	Medical Lab Technician	40
Early Childhood Professional	33	Nursing	41
Educational Assistant.....	36	Nursing Assistant	42
Electromechanical Maintenance Technician.....	57	Occupational Therapy Assistant	42
Electromechanical Technology	57	Paramedic Technician	55
Electronic & Computer Engineering Technology.....	63	Physical Therapist Assistant.....	43
Emergency Medical Technician - Advanced.....	54	Radiography.....	44
Emergency Medical Technician - Basic	54	Refrigeration, Air Conditioning & Heating Service Technician	25
Emergency Medical Technician - Paramedic.....	55	Respiratory Therapy.....	44
Farm Business & Production Management	20	Sales Fundamentals	61
Fire Protection Technician.....	53	Sales Management.....	62
Foundations of Leadership	30	Sales Representative.....	61
Foundations of Teacher Education	36	Solar Installation Technician.....	24
Graphic Design	26	Surgical Technology.....	45
Healthcare Electronics Technician.....	64	Welding & Fabrication.....	59

Associate of Arts Degree #208001

Associate of Applied Science | www.westernnc.edu/associate-of-arts

Save thousands of dollars and earn the same bachelor's degree! Western's Associate of Arts program provides up to 60 credits of general education courses, preparing you to enter as a junior at one of Western's four-year transfer partners.

In this program, you will gain knowledge and experiences in the arts that broadens perspectives, increases problem solving abilities, and develops communication skills. Choose courses that emphasize your individual educational goals. Topics include history and philosophy, social sciences, languages and literature, health and wellness, and performing arts.

If you have a particular college or university in mind, you'll want to check out how your credits will transfer before selecting courses.

This program differs from the Associate of Science program in the following:

- 12 additional credits in the Humanities and Social Science categories
- 10 fewer credits in the Mathematics and Natural Science categories
- No History requirement
- Differing elective credits

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
----------	-----------------	---

Math & Science Requirement (10 Cr Min.)

*Math & NonLab Science (Must have at least 1)

20804211	Quantitative Reasoning	4
20804212	College Algebra	4
20804229	Math Analysis	5
20804231	Calculus & Analytic Geometry 1	5
20804232	Calculus & Analytic Geometry 2	5
20804233	Calculus 3	5
20804240	Basic Statistics	4
20804210	Mathematics for Decision Making	4

*Lab Science (Must have at least 1)

20806207	Anatomy & Physiology I	4
20806208	Anatomy & Physiology II	4
20806209	College Chemistry I	5
20806212	College Chemistry 2	5
20806221	College Physics I	5
20806223	University Physics 1- Calc Based	5
20806224	University Physics 2- Calc Based	5
20806234	General Biology	4

Foreign Language (Minimum of 4 Credits)

20802211	Spanish 1	4
20802212	Spanish 2	4

Health & Wellness (Minimum of 1 Credit)

20807200	Fitness Fundamentals	1
20807202	Total Fitness	1
20807266	Wellness Today	3

Social Science (Minimum of 12 Credits)

20809202	Social Problems	3
20809203	Principles of Sociology	3
20809211	Principles of Macroeconomics	3
20809212	Principles of Microeconomics	3
20809221	American National Government	3
20809231	General Psychology	3
20809237	Abnormal Psychology	3
20809262	Contemporary Moral Problems	3

Diversity/Ethnic Studies (Minimum of 3 Credits)

20801212	Ethnic Literature	3
20809217	Race, Class, Gender	3
20803214	Native American History	3

Humanities (Minimum of 12 Credits)

20801204	Introduction to Literature	3
20801217	American Literature: Beg- 1865	3
20801218	American Literature: 1865-Pres	3
20805227	Music Appreciation	3
20809223	Introduction to World Religions	3
20809260	Introduction to Philosophy	3
20809265	Philosophy of the Arts	3
20815200	Art History: Prehist. to Medieval	3
20815210	Art History: Renaissance to Modern	3

Electives ONLY (Minimum of 9 Credits)

Can apply any Unapplied 20-Code Courses

20890200	College Success	1
20890202	Career Development	1
20890267	Philosophy of Leadership	3
20803211	American History (1607-1865)	3
20803212	American History (1865-Present)	3
20803225	The World in the 20th Century	3
20806280	Environmental Issues	4

Program Credits

60

Typical Start: Fall, Spring, Summer

Associate of Science Degree #208002

Associate of Applied Science | www.westerntc.edu/associate-of-science

If you're considering a four-year college or university, consider this: taking credits 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 bachelor's degree!

The Associate of Science transfer degree is designed to help you on the path to a four-year degree whether you are undecided in your major, have a specific career in mind, or would like to earn a two-year transfer degree.

If you have a particular college or university in mind, you'll want to check out how your credits will transfer before selecting courses.

This program differs from the Associate of Arts program in the following:

- 10 additional credits in the Mathematics and Natural Science categories
- 12 fewer credits in the Humanities and Social Science categories
- History requirement
- Differing elective credits

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
----------	-----------------	---

Math & Science Requirement (20 Cr Min.)

*Math & NonLab Science (Must have at least 1 math course)

20804211	Quantitative Reasoning	4
20804212	College Algebra	4
20804229	Math Analysis	5
20804231	Calculus & Analytic Geometry 1	5
20804232	Calculus & Analytic Geometry 2	5
20804233	Calculus 3	5
20804240	Basic Statistics	4
20804255	Techn in Ordinary Diff. Equations	4
20804256	Elementary Matrix & Linear Alg	4
20806280	Environmental Issues	4

*Lab Science (Must have 2 Lab Science - Different Discipline)

20806207	Anatomy & Physiology I	4
20806208	Anatomy & Physiology II	4
20806209	College Chemistry I	5
20806212	College Chemistry 2	5
20806221	College Physics I	5
20806223	University Physics 1- Calc Based	5
20806224	University Physics 2- Calc Based	5
20806234	General Biology	4

Health & Wellness (Minimum of 1 Credit)

20807200	Fitness Fundamentals	1
20807202	Total Fitness	1
20807266	Wellness Today	3

Social Science (Minimum of 6 Credits)

20809202	Social Problems	3
20809203	Principles of Sociology	3
20809211	Principles of Macroeconomics	3
20809212	Principles of Microeconomics	3
20809221	American National Government	3
20809231	General Psychology	3
20809237	Abnormal Psychology	3
20809262	Contemporary Moral Problems	3

Diversity/Ethnic Studies (Minimum of 3 Credits)

20801212	Ethnic Literature	3
20809217	Race, Class, Gender	3

Humanities (Minimum of 6 Credits)

20801204	Introduction to Literature	3
20801217	American Literature: Beg- 1865	3
20801218	American Literature: 1865-Pres	3
20803211	American History (1607-1865)	3
20803212	American History (1865-Present)	3
20803214	Native American History	3
20803225	The World in the 20th Century	3
20805227	Music Appreciation	3
20809223	Introduction to World Religions	3
20809260	Introduction to Philosophy	3
20809265	Philosophy of the Arts	3
20815200	Art History: Prehist. to Medieval	3
20815210	Art History: Renaissance to Modern	3

Foreign Language (Minimum of 4 Credits)

20802211	Spanish 1	4
20802212	Spanish 2	4

Electives ONLY (Minimum of 12 Credits)

Can apply any Unapplied 20-Code Courses

10623260	Intro to Engineering	3
10623261	Basic Engineering Design	2
20890200	College Success	1
20890202	Career Development	1
20890206	Study Abroad Experience	2
20890261	Leadership: Conflict & Change	1
20890262	Leadership: Serving & Empowering	1
20890263	Leadership: Philosophy of Leadership	1
20890267	Philosophy of Leadership	3
20804210	Mathematics for Decision Making	4

Program Credits

61

Typical Start: Fall, Spring, Summer

Agri-Business Science #100062

Associate of Applied Science | www.westerntc.edu/agri-business-science-technology

Agriculture is changing. 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.

First Term	Credits	Fourth Term	Credits
10006173 Introduction to Soils	2	10006179 Livestock Management	3
10006169 Soil Fertility & Nutrient Mgmt.	2	10006139 Crop Management	3
10006113 Animal Science	3	10006170 Precision Ag Technologies	2
10006129 Introductory Plant Science	3	10106106 Quality Customer Service	3
10006100 Career Development in Agriculture	2	10801136 English Comp 1	3
10104128 Professionalism and Success	3		
Second Term	Credits	Fifth Term	Credits
10804123 Math w Business Apps	3	10006171 Livestock Nutrition Principles	3
10801196 Oral/Interpersonal Comm.	3	10006167 Agricultural Business Management	3
10006172 Agricultural Commodity Mktg	3	10104114 Marketing Principles	3
10006180 Emerging Ag Technologies	3	10809195 Economics	3
10006120 Pest Management Principles	3	10809198 Intro to Psychology	3
Third Term	Credits	Program Credits	60
10006151 Agribusiness Work Based Experience	1	Typical Start: Fall	

You'll  Our Faculty!



Dona Goede

Agribusiness & Science Instructor

Dona Goede has spent her entire career working in agriculture. She grew up on her parent's beef cattle operation, which she helped run for nearly 20 years. In her position at Western, she helps farmers use sophisticated technology to increase efficiency on family farms. In turn, she uses these connections to help connect her students to farmers and industry professionals.

"I am passionate about the field I teach in," she says. "Our students are the future of the industry so I do everything I can to make sure the future is in good hands. Our students bring different skill sets and experiences, and finding ways to incorporate those things into our classes is one of my favorite parts of teaching."

Farm Business & Production Management #300901

Technical Diploma | www.westernnc.edu/farm-business-production-management

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



Landscape Horticulture Technician Pathway



C Horticulture Plant Health Care #610011

Certificate | www.westerntc.edu/horticultural-plant-health-care

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
10001115	Herbaceous Plant Identification	2

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

Program Credits **11**
Typical Start: Fall

T Landscape Horticulture Technician #310015

Technical Diploma | www.westerntc.edu/landscape-horticulture-technician

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 greenhouse 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		Credits
10001158	Woody Plant Identification	3
10001115	Herbaceous Plant Identification	2
10001111	Intro to Horticulture	3
10001132	Landscape Construction	3
10001117	Landscape Maintenance 1	2
10006129	Introductory Plant Science	3

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

Program Credits **32**
Typical Start: Fall



Air Conditioning, Heating & Refrigeration Technology #106011

Associate of Applied Science | www.westerntc.edu/air-conditioning-heating-refrigeration

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.

First Term	Credits	Fourth Term	Credits
10601101 HVACR Refrigeration	4	10804107 College Mathematics	3
10601102 HVACR Air Hand, Psych & IAQ	1	10809166 Intro to Ethics: Theory & App	3
10601107 HVACR Forced Air Htg	4	10809196 Intro to Sociology	3
10601108 HVACR Res Htg & Cool Loads	1	10601112 HVACR Basic CAD	2
10601116 HVACR Electric Motors & Ctrls	4	10601134 HVACR Energy	2
		10601137 HVACR Hydronic & Steam Syst	4
Second Term	Credits	Fifth Term	Credits
10801136 English Composition 1	3	10809195 Economics	3
10809198 Intro to Psychology	3	10601140 HVACR Commercial Systems	3
10601121 HVACR Intro to Installation	3	10601142 HVACR Temperature Controls	3
10601122 HVACR Commercial Refrig	4	10601145 HVACR System Design	3
10601125 HVACR Air Conditioning	4	10801196 Oral/Interpersonal Comm	3
10601128 HVACR Job Shadow	1		
		Program Credits	64
		Typical Start: Fall	

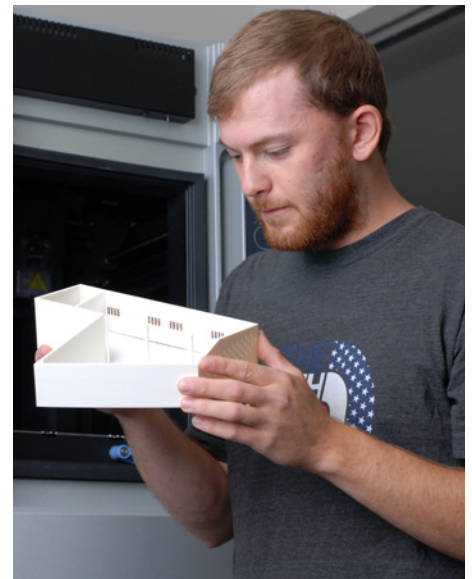
This HVACR program is PAHRA accredited (Partnership for Air-Conditioning, Heating, Refrigeration Accreditation). www.pahrahvacr.org/

Architectural Technology #106141

Associate of Applied Science | www.westerntc.edu/architectural-technology

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.

First Term	Credits
10614102 History & Theory of Archi	2
10614106 ArchiCAD	3
10614109 Intro to Archi Design	4
10614115 Building Science and Materials	3
10804107 College Mathematics	3
Second Term	Credits
10801136 English Composition 1	3
10614122 Architecture Drafting – Residential	4
10614124 Structural Drafting – Residential	3
10614149 Bldg Estimating	3
10801196 Oral/Interpersonal Comm	3
Third Term	Credits
10801197 Technical Reporting	3
10809198 Intro to Psychology	3
10614132 Architectural Drafting – Commercial	4
10614133 Architectural Detailing	3
10614134 Structural Drafting- Commercial	3
10614143 Architectural Practice	1
Fourth Term	Credits
10809195 Economics	3
10614135 Structural Analysis	3
10614136 Architectural Bldg Info Management	2
10614142 Architectural Capstone	4
10614148 Building Systems	3
Program Credits	63
Typical Start: Fall	



Building Construction Pathway



Cabinetmaking #614101

Certificate | www.westerntc.edu/cabinetmaking

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.

First Term	Credits
31804315 Applied Math 1- Wood	1
31409323 Residential Cabinetmaking	5
31409325 Commercial Cabinetmaking	3
Program Credits	9
Typical Start: Fall, Spring	

Building Construction and Cabinetmaking #314102

Technical Diploma | www.westerntc.edu/building-construction-and-cabinetmaking

Our Building Construction and Cabinetmaking 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 cabinet making 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
10410103 Construction Industry Basics	2
10890106 College Success Workshop	1
31409323 Residential Cabinetmaking	5
31409325 Commercial Cabinetmaking	3
31410303 Site Layout and Concrete	1
31804315 Applied Math 1- Wood	1
Second Term	Credits
31410322 Interior Trim	4
31410329 Residential Blueprint Reading	1
31410333 Framing Techniques	5
31410339 Commercial Blueprint Reading	1
31410360 Commercial Systems	1
Third Term	Credits
10410101 OSHA for Woods	1
31410338 Estimating Bids & Specs	1
31410358 Residential Construction	5
31410371 Exterior Finishes	4
Program Credits	36
Typical Start: Fall, Spring	



Building Science & Energy Management Pathway



C Solar Installation Technician #614815

Certificate | www.westerntc.edu/solar-installation-technician

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 degree, which can lead to career advancement opportunities.

First Term	Credits
10106106 Quality Customer Service	3
10480111 Photovoltaic Design & Installation 1	3
10410105 Construction Fundamentals	2
10481100 Intro to Energy Efficiency & Mgmt	3
10804107 College Mathematics	3

Program Credits 14
Typical Start: Fall



A Building Science & Energy Management #104815

Associate of Applied Science | www.westerntc.edu/building-science-energy-management

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. 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.

First Term	Credits
10480111 Photovoltaic Dsgn & Install 1	3
10410105 Construction Fundamentals	2
10481100 Intro to Energy Efficiency & Mgmt	3
10804107 College Mathematics	3
10106106 Quality Customer Service	3

Second Term	Credits
10614106 ArchiCAD	3
10481105 Energy Modeling 1	3
10481106 Intro to Building Science	3
10481109 Intro to Building Envelope Analysis	3
10806112 Principles of Sustainability	3

Third Term	Credits
10801136 English Comp 1	3
10809198 Intro to Psychology	3

Fourth Term	Credits
10481107 High Performance Buildings	3
10481108 Energy Modeling 2	3
10801197 Technical Reporting	3
10104128 Professionalism and Success	3
10480101 Renewable Energy Overview	3

Fifth Term	Credits
10660164 Energy Storage Solutions	3
10481114 Energy Mgmt Capstone	4
10481113 Project Investment Appraisal	3
10809195 Economics	3

Program Credits 63
Typical Start: Fall

Refrigeration, Air Conditioning & Heating Service Technician #314011

Technical Diploma | www.westernnc.edu/refrigeration-air-conditioning-heating-service-technician

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

10601101	HVACR Refrigeration	4
10601102	HVACR Air Hand, Psych & IAQ	1
10601107	HVACR Forced Air Htg	4
10601108	HVACR Res Htg & Cool Loads	1
10601116	HVACR Electric Motors & Ctrls	4

Second Term

10601121	HVACR Intro to Installation	3
10601122	HVACR Commercial Refrig	4
10601125	HVACR Air Conditioning	4
10601128	HVACR Job Shadow	1
31801330	Applied Comm Skills	2
31804337	Applied Math- HVAC/Refrig	2

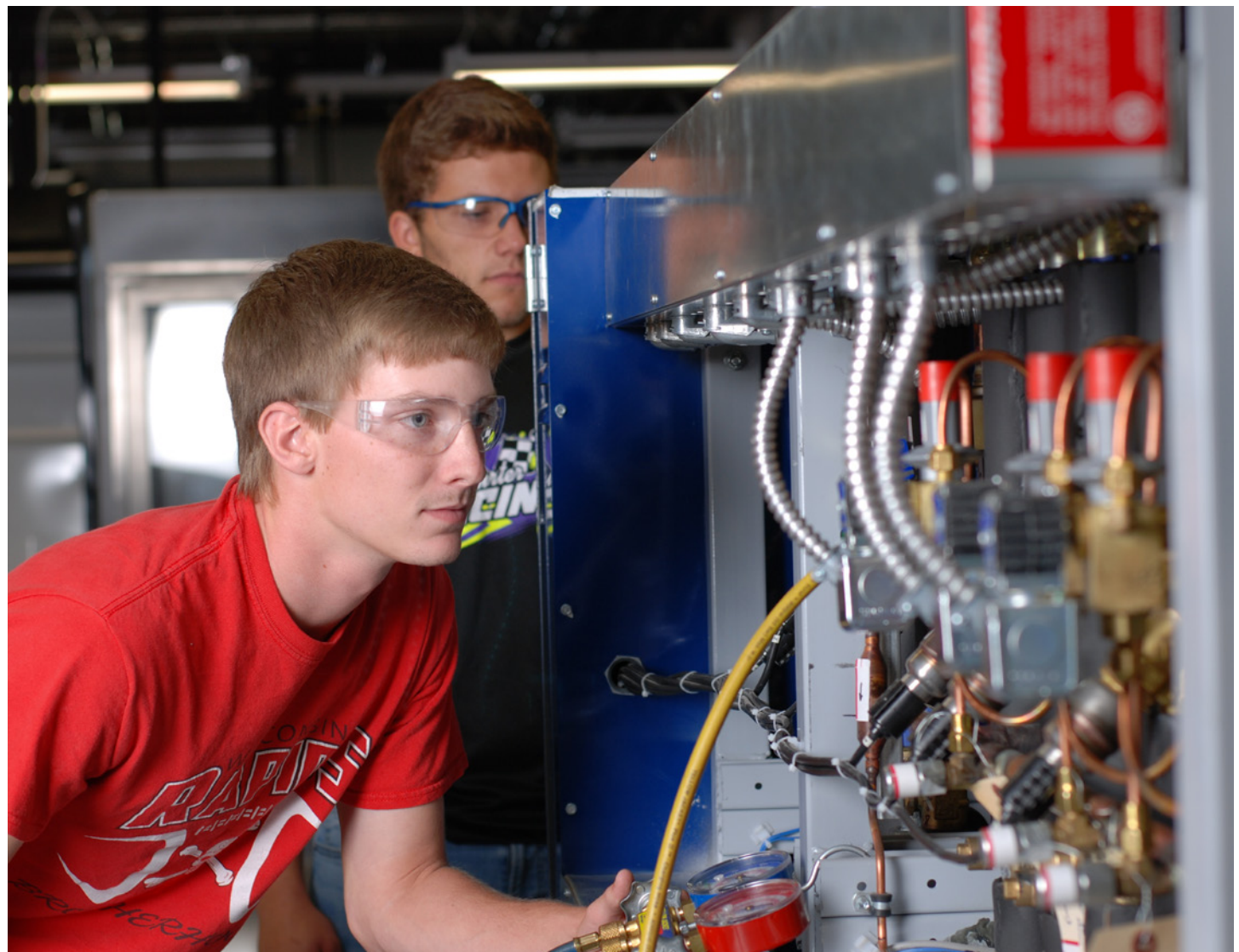
Credits

Program Credits
Typical Start: Fall

30

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

Credits



Digital Media Production #107012

Associate of Applied Science | www.westernnc.edu/digital-media-production

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	Fourth Term	Credits
10801198 Speech	3	10809196 Intro to Sociology	3
10201185 Adobe Photoshop	3	10804123 Math w Business Apps	3
10203125 Digital Photography	3	10104109 Social Media Strategies	3
10206110 Intro to Media Production	3	10701110 Advanced Video Production	3
10206111 Intro to Motion Graphics	3	10206112 Compositing & Video Effects	3

Second Term	Credits	Fifth Term	Credits
10201112 Design Fundamentals	3	10206145 Digital Media Portfolio	3
10201109 Adobe Illustrator	3	10809172 Intro to Diversity Studies	3
10801136 English Composition 1	3	10809198 Intro to Psychology	3
10206124 Audio Productions	3	10206119 Digital Media Application	3
10701101 Foundations of Video Production	3	99999999 Elective	3

Program Credits 60
Typical Start: Fall

Graphic Design #102011

Associate of Applied Science | www.westernnc.edu/graphic-design

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	Fourth Term	Credits
10201104 Publication Design 1	3	10201128 Illustration Concepts	3
10201109 Adobe Illustrator	3	10201132 Web Design 2	3
10201112 Design Fundamentals	3	10201136 Graphic Design & Marketing	3
10201118 Drawing	3	10809198 Intro to Psychology	3
10801136 English Composition 1	3	10801198 Speech	3

Second Term	Credits	Fifth Term	Credits
10201114 Publication Design 2	3	10201145 Graphic Design-Advertising	3
10201122 Designing with Type	3	10201149 Graphic Design Portfolio	3
10201123 Web Design 1	3	10201156 Comprehensive Graphic Design	3
10201185 Adobe Photoshop	3	10201142 Web Design 3	3
10804123 Math w Business Applications	3	10809196 Intro to Sociology	3

Program Credits 60
Typical Start: Fall

Interior Design #103041

Associate of Applied Science | www.westerntc.edu/interior-design

This associate degree program will help turn your creativity and style into design innovation. Gain the knowledge to employ aesthetic theory, culture, materiality, and function in the design of interior spaces. Create a strong academic portfolio and training in conceptual design development, space planning, visual communication, sustainability, regulatory compliance, and construction document preparation. Generate holistic, contextual design solutions that enhance the human experience. Become a dedicated listener, an agile thinker, and an enterprising problem solver.

Graduates can work in a variety of settings, such as residential design/architectural firms, kitchen and bath studios, furnishing manufacturers, construction companies, and sale showrooms.

First Term	Credits	Fourth Term	Credits
10801136 English Composition	3	10304134 Commercial Design Studio	4
10106106 Quality Customer Service	3	10304135 Interior Specifications	2
10304126 Residential Design Studio	3	10304124 Human-Centered Design	1
10304130 2D Architectural Drafting Technology	2	10304137 Health, Safety & Welfare for Design	1
10304122 Visual Communication 1	2	10410105 Construction Fundamentals	2
10304120 Principles of Design	1	10104128 Professionalism and Success	3
		10809196 Intro to Sociology	3
Second Term	Credits	Fifth Term	Credits
10804123 Math w Business Apps	3	10809198 Intro to Psychology	3
10801198 Speech	3	10304150 Capstone Design Studio	4
10304128 Retail Design Studio	3	10304139 Design Team Integration	1
10304136 3D Architectural Drafting Technology	2	10304138 Entrepreneurship for Designers	2
10304131 History and Theory of Design	1	10304151 Personal Brand Mgmt for Designers	2
10304132 Visual Communication II	2	10806112 Principles of Sustainability	3
Third Term	Credits	Program Credits	60
10304133 Design Field Experience/Co-op	1	Typical Start: Fall	

You'll  Our Faculty!



Jennifer Stangl

Interior Design Instructor

Jennifer Stangl has 16 years of experience in Interior Design, including work at HSR Associates and Gundersen Health System in La Crosse. She is excited about the Interior Design program returning to Western, and plans to use her teaching skills to open new creative doors for others.

“As an educator, my purpose is rooted in the deep commitment to support each student as they add their own unique color and dimension to the world,” she said. “I strive to create a nurturing learning environment where students embrace their creativity and pursue their design passions.”

Business Management Pathway



T Business Specialist #311024

Technical Diploma | www.westerntc.edu/business-specialist

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 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	Credits
10102137 Business Professionalism	3
10102108 Entrepreneurship Explor & Mindset	3
10154102 Software Applications for Business	3
10801136 English Composition 1	3
Second Term	Credits
10102134 Principles of Management	3
10116117 Intro to HR Management	3
10804123 Math with Business Apps	3
10104114 Marketing Principles	3
Third Term	Credits
10102130 Business Law	3
10101108 Intro to Accounting	3
Program Credits	30
Typical Start: Fall, Spring	



A Business Management #101023

Associate of Applied Science | www.westerntc.edu/business-management

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	Credits	Fourth Term	Credits
10102137 Business Professionalism	3	10102131 Operations Management	3
10102108 Entrepreneurship Explor & Mindset	3	10102123 Global E-Commerce	3
10154102 Software Applications for Business	3	10102126 Business Financials	3
10801136 English Composition 1	3	10801198 Speech	3
Second Term	Credits	Fifth Term	Credits
10102134 Principles of Management	3	10102143 Professional Profile Development	3
10116117 Intro to HR Management	3	10102133 Business Management Capstone	3
10804123 Math with Business Applications	3	10809198 Introduction to Psychology	3
10801197 Technical Reporting	3	10809195 Economics	3
Third Term	Credits	Program Credits	60
10104114 Marketing Principles	3	Typical Start: Fall, Spring	
10102130 Business Law	3		
10102122 Entrepreneurship Bus Canvas	3		
10101108 Intro to Accounting	3		

Human Resource Management #101162

Associate of Applied Science | www.westerntc.edu/human-resource-management

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	Fourth Term	Credits
10116117 Intro to HR Management	3	10116136 Employee & Labor Relations	3
10116118 HR Professionalism	2	10116147 Human Resource Portfolio	3
10801198 Speech	3	10116158 Employment Law	3
10801136 English Composition 1	3	10116163 Employee Benefits	3
10116180 Occupational Safety & Health	3		
Second Term	Credits	Fifth Term	Credits
10116142 Recruit & Selection Strategies	3	10809198 Intro to Psychology	3
10116159 Organizational Training & Dev	3	10116101 Human Resource Internatl Issues	2
10116172 Compensation Management	3	10116152 Human Resource Applications	3
10101130 Payroll Accounting	3	10116186 Human Resource Info Mgmt	2
		10102106 Introduction to Business	3
Third Term	Credits	Program Credits	63
10154102 Software Appls for Business	3	Typical Start: Fall	
10801197 Technical Reporting	3		
10804123 Math w Business Appls	3		
10809172 Intro to Diversity Studies	3		



Leadership Development Pathway



T Foundations of Leadership #301966

Technical Diploma | www.westernnc.edu/foundations-leadership

The six-course Foundations of Leadership 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. You can choose to complete this program in one year by taking courses online or in the evening. You may also choose to continue on to the 12-course Leadership and Supervision Professional technical diploma or Supervisory Management associate's degree.

First Term	Credits
10196128 Professional Development Strategies	3
10196191 Supervision	3
Second Term	Credits
10196164 Personal Leadership Strategies	3
10196169 Diversity & Change Mgmt	3
Third Term	Credits
10196189 Team Building & Problem Solving	3
10196190 Leadership Development	3
Program Credits	18
Typical Start: Spring	



T Leadership & Supervision Professional #311961

Technical Diploma | www.westernnc.edu/leadership-supervision-professional

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	Credits	Fifth Term	Credit
10196128 Professional Development Strategies	3	10196188 Project Management	3
10196191 Supervision	3	10196193 Human Resource Mgmt	3
Second Term	Credits	Sixth Term	Credits
10196164 Personal Leadership Strategies	3	10196168 Organizational Development	3
10196169 Diversity & Change Mgmt	3	10196192 Managing for Quality	3
Third Term	Credits	Program Credits	36
10196189 Team Building & Problem Solving	3	Typical Start: Spring	
10196190 Leadership Development	3		
Fourth Term	Credits		
10196134 Legal Issues for the Workplace	3		
10196136 Safety in the Workplace	3		

Leadership Development Pathway cont. on next page

Leadership Development Pathway cont.



Leadership Development #101961

Associate of Applied Science | www.westerntc.edu/leadership-development

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 degree, you will earn the Leadership Supervision Professional and Leadership Essentials technical diplomas.

First Term	Credits	Fifth Term	Credits
10801136 English Composition 1	3	10809195 Economics	3
10196128 Professional Development Strategies	3	10196188 Project Management	3
10196191 Supervision	3	10196193 Human Resource Management	3
		10102126 Business Financials	3
Second Term	Credits	Sixth Term	Credits
10809198 Intro to Psychology	3	10804123 Math w Business Apps	3
10154102 Software Appl for Business	3	10196168 Organizational Development	3
10196164 Personal Leadership Strategies	3	10196192 Managing for Quality	3
10196169 Diversity & Change Mgmnt	3		
Third Term	Credits	Program Credits	60
10801198 Speech	3	Typical Start: Spring	
10196189 Team Building & Problem Solving	3		
10196190 Leadership Development	3		
Fourth Term	Credits		
10102106 Introduction to Business	3		
10196134 Legal Issues for the Workplace	3		
10196136 Safety in the Workplace	3		



Medical Administrative Professional Pathway



C Health Office Assistant #611601

Certificate | www.westerntc.edu/health-office-assistant

Continue on Western's Career Pathway to earn an associate degree for increased job opportunities and earning potential. 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.

Courses are offered in a convenient online format.

This certificate positions you for entry into the Health Office Professional technical diploma program for further career opportunities.

First Term	Credits
10106103 Personal & Professional Development	3
10106112 Business Formatting	3
10501110 Medical Admin Procedures	2
10106119 Business Communication Skills	3
10501101 Medical Terminology	3

Program Credits **14**
Typical Start: Fall

T Health Office Professional #311601

Technical Diploma | www.westerntc.edu/health-office-professional

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
10501110 Medical Admin Procedures	2
10106119 Business Communication Skills	3
10501101 Medical Terminology	3

Second Term	Credits
10106123 Business Correspondence	3
10806120 Body Structure and Function	3
10103107 Intro to MS Excel and Access	3
10106189 Medical Office Finance	2
10106190 Medical Office Insurance	2

Third Term	Credits
10801136 English Composition 1	3
10106106 Quality Customer Service	3

Program Credits **33**
Typical Start: Fall

Courses are offered in a convenient online format.

A Medical Administrative Professional #101602

Associate of Applied Science | www.westerntc.edu/medical-administrative-professional

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 primary 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
10501110 Medical Admin Procedures	2
10106119 Business Communication Skills	3
10501101 Medical Terminology	3

Second Term	Credits
10106123 Business Correspondence	3
10806120 Body Structure and Function	3
10103107 Intro to MS Excel and Access	3
10106189 Medical Office Finance	2
10106190 Medical Office Insurance	2

Fourth Term	Credits
10160120 Medical Law, Ethics & Professionalism	2
10160131 Admin & Organization of Healthcare	3
10809198 Intro to Psychology	3
10196189 Team Building and Problem Solving	3
10196191 Supervision	3

Fifth Term	Credits
10804123 Math w Business Applications	3
10809172 Intro to Diversity Studies	3
10196190 Leadership Development	3
10160150 Med Admin Professional Capstone	1
10801198 Speech	3

Third Term	Credits
10801136 English Composition 1	3
10106106 Quality Customer Service	3

Program Credits **60**
Typical Start: Fall

Courses are offered in a convenient online format.

Early Childhood Education Pathway



T Early Childhood Professional #303079

Technical Diploma | www.westerntc.edu/early-childhood-professional

The Early Childhood Professional technical diploma provides the knowledge and experience necessary to truly make a difference in the lives of children. Hands-on fieldwork and related academic work will prepare you to work with children from birth through five years of age in a child care center setting. Start your child care teaching career with this credential, or continue your education with Western's Early Childhood Education associate degree.

First Term	Credits	Second Term	Credits
10307148 ECE: Foundations of ECE	3	10307108 ECE: Early Language & Literacy	3
10307151 ECE: Infant & Toddler Dev	3	10307110 ECE: Soc S, Art & Music	3
10307167 ECE: Health, Safety & Nutrition	3	10307177 ECE: Intermediate Practicum	3
10307174 ECE: Introductory Practicum	3	10307179 ECE: Child Development	3
Program Credits		24	
Typical Start: Fall			

A Early Childhood Education #103071

Associate of Applied Science | www.westerntc.edu/early-childhood-education

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	Second Term	Credits	Fourth Term	Credits	Fifth Term	Credits
10307151 ECE: Infant & Toddler Development	3	10307179 ECE: Child Development	3	10307188 ECE: Guiding Child Behavior	3	10307199 ECE: Advanced Practicum	3
10307167 ECE: Health, Safety, & Nutrition	3	10307108 ECE: Early Language and Literacy	3	10307187 ECE: Children w Differing Abilities	3	10307195 ECE: Family & Community Rltnshps	3
10307174 ECE: Introductory Practicum	3	10307110 ECE: Soc S, Art, & Music	3	10307112 ECE: STEM	3	10809196 Introduction to Sociology	3
10307148 ECE: Foundations of ECE	3	10307177 ECE: Intermediate Practicum	3	10307175 ECE: Preschool Practicum	3	10804123 Math w Business Apps	3
10801136 English Composition 1	3	10801198 Speech	3	10809198 Introduction to Psychology	3	99999999 Elective	3
Program Credits		60		Typical Start: Fall			





Your Best



Decision Ever

Foundations of Teacher Education Pathway



T Educational Assistant #315221

Technical Diploma | www.westerntc.edu/educational-assistant

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 degree.

First Term		Credits
10522103	EDU: Intro to Ed Practices	3
10801136	English Composition 1	3
10522112	EDU: Equity in Education	3
10522106	EDU: Child & Adol Dev	3
10522104	EDU: Technology in Ed	3

Second Term		Credits
10522110	Support Students w/Special Health Needs	3
10804123	Math w Business Apps	3
10522119	EDU: Techniques in Soc Stu	3
10522129	EDU: Practicum 1	3
10522102	EDU: Techniques in Reading	3
10522120	EDU: Techniques in Science	3

Third Term		Credits
10522124	EDU: Supporting Stu w/Disab	3
10522107	EDU: Overview of Spec Ed	3
10522105	EDU: Behavior Management	3
10801198	Speech	3
10809198	Intro to Psychology	3

Program Credits 48
Typical Start: Fall

A Foundations of Teacher Education #105222

Associate of Applied Science | www.westerntc.edu/foundations-teacher-education

Teaching is one of the most rewarding jobs in the world. As an educational assistant (paraprofessional), you will work directly under the supervision of a licensed classroom teacher to implement teacher-created lesson plans. You will likely work with small groups of students in the areas of reading or math as well as in one-on-one instructional settings. Some of the responsibilities you might have include tutoring in the content areas of reading, writing, math, and science; implementing teacher created plans in small group learning center activities; and offering technical support in the classroom.

Educational assistants/paraprofessionals are used in K-12 for reading, writing, and math at the elementary, middle school, and high school classroom settings. You may work in the regular classroom or in a special education classroom with students who require additional support. The program covers the needs of special education students as well as the general population.

The Foundations of Teacher Education associate degree is an extension to the Educational Assistant technical diploma. The associate degree requires an additional practicum experience working with students. Graduates will create a professional educational portfolio.

First Term		Credits
10522112	EDU: Equity in Education	3
10522103	EDU: Intro to Ed Practices	3
10522106	EDU: Child & Adol Dev	3
10522104	EDU: Technology in Ed	3
10801136	English Composition 1	3

Third Term		Credits
10522124	EDU: Supporting Stu w/Disab	3
10522107	EDU: Overview of Spec Ed	3
10522105	EDU: Behavior Management	3
10801198	Speech	3
10809198	Intro to Psychology	3

Second Term		Credits
10522129	EDU: Practicum 1	3
10522102	EDU: Techniques in Reading	3
10522119	EDU: Techniques in Soc Stu	3
10522110	Support Students w/Special Health Needs	3
10522120	EDU: Techniques in Science	3
10804123	Math w Business Applications	3

Fourth Term		Credits
10522114	EDU: Techniques in Lang Arts	3
10522118	EDU: Techniques in Math	3
10522131	EDU: Practicum 2	3
10809172	Intro to Diversity Studies	3

Program Credits 60
Typical Start: Fall

Accounting Pathway



T Accounting Assistant #311011

Technical Diploma | www.westerntc.edu/accounting-assistant

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 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		Credits
10101114	Accounting Principles 1	4
10101130	Payroll Accounting	3
10154102	Software Applications for Business	3
10101100	Accounting Exploration	3
Second Term		Credits
10101124	Accounting Principles 2	4
10101132	Case Analysis & Reporting	3
10101138	Accounting Spreadsheets	3
Third Term		Credits
10801136	English Composition 1	3
10804123	Math w Business Applications	3
Program Credits		29
Typical Start: Fall, Spring		



A Accounting #101011

Associate of Applied Science | www.westerntc.edu/accounting

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 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		Credits	Fourth Term		Credits
10101114	Accounting Principles 1	4	10101126	Accounting Principles 3	4
10101130	Payroll Accounting	3	10101149	Cost Accounting	4
10154102	Software Applications for Business	3	10101165	Income Tax Accounting	4
10101100	Accounting Exploration	3	Fifth Term		Credits
Second Term		Credits	10101125	Computerized Accounting Systems	3
10101124	Accounting Principles 2	4	10101156	Information Systems-Accounting	3
10101132	Case Analysis & Reporting	3	10101162	Capstone Accounting Project	3
10101138	Accounting Spreadsheets	3	10101170	Accounting Career Foundations	3
10801198	Speech	3	Program Credits		62
Third Term		Credits	Typical Start: Fall, Spring		
10801136	English Composition 1	3			
10804123	Math w Business Applications	3			
10809195	Economics	3			
10809198	Intro to Psychology	3			

Dental Assistant #315081

Technical Diploma | www.westernnc.edu/dental-assistant

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		Credits
10508101	Dental Health Safety	1
31508304	Dental & General Anatomy	2
10801196	Oral/Interpersonal Comm	3

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

Third Term		Credits
10508120	Dental Office Management	2
31508307	Dental Assistant Professional	1
31508308	Dental Chairside - Advanced	5
31508309	Dental Laboratory Procedures	4
31508310	Dental Radiography - Advanced	1
31508311	Dental Assistant Clinical - Adv	2

Program Credits **33**
Typical Start: Summer

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

Associate of Applied Science | www.westernnc.edu/health-information-technology

Managing medical information is a critical component of healthcare. The health information professional is organized in order to oversee and protect the patient's health information. Health Information Technology students 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.

Graduates are eligible to take the Registered Health Information Technician exam of the American Health Information Management Association (AHIMA).

First Term		Credits
10806177	General A&P	4
10809196	Intro to Sociology	3

Second Term		Credits
10501101	Medical Terminology	3
10530182	Human Diseases for Hlth Profes	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
10530199	ICD Procedure Coding	2
10530197	ICD Diagnosis Coding	3
10801198	Speech	3

Fourth Term		Credits
10809198	Intro to Psychology	3
10804189	Introductory Statistics	3

Fifth Term	Credits	
10530184	CPT Coding	3
10530164	Intro to Health Informatics	3
10530163	Healthcare Stats and Analytics	3
10530166	HIT Capstone	1
10530159	Healthcare Revenue Management	3

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

Program Credits **62**
Typical Start: Summer

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

Medical Assistant #315091

Technical Diploma | www.westerntc.edu/medical-assistant

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
10501101	Medical Terminology	3
10501104	Contemporary Healthcare Practices	2
10890102	College Success Skills	1
31509301	Medical Asst Admin Procedures	2
31509302	Human Body in Health & Disease	3
31509303	Medical Asst Lab Procedures 1	2
31509304	Medical Asst Clin Procedures 1	4

Second Term		Credits
31509305	Medical Asst Lab Procedures 2	2
31509306	Medical Asst Clin Procedures 2	3
31509307	Med Office Insurance & Finance	2
31509308	Pharm for Allied Health	2
31509309	Medical Law, Ethics & Profess	2
31509310	Medical Assistant Practicum	3

Program Credits 31
Typical Start: Fall, Spring

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 | www.westerntc.edu/medical-coding-specialist

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		Credits
10806177	Gen Anatomy & Physiology	4

Second Term		Credits
10501101	Medical Terminology	3
10530182	Human Diseases for Hlth Profes	3
10501107	Digital Literacy for Healthcare	2
10530162	Foundations of HIM	3

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

Fifth Term	Credits
10530184	CPT Coding 3
10530159	Healthcare Revenue Management 3

Sixth Term	Credits
10530165	Intermediate Coding 3

Program Credits 29
Typical Start: Summer

Medical Lab Technician #105131

Associate of Applied Science | www.westerntc.edu/medical-lab-technician

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

Credits

3
4
1
2
1
2

Fourth Term

10513130 Advanced Hematology	2
10513116 Clinical Chemistry	4
10513133 Clinical Microbiology	4
10513170 Introduction to Molecular Diagnostics	2

Fifth Term

10513140 Advanced Microbiology	2
10513151 Clinical Experience 1	3
10513152 Clinical Experience 2	4
10513159 Clinical Experience III	2
10513160 MLT Seminar	1

Program Credits Typical Start: Fall

Credits

2
4
4
2

Credits

2
3
4
2
1

64

The Medical Laboratory Technician program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). www.naacls.org/about.aspx

You'll  Our Faculty!



Karen Christenson

Medical Lab Technician Instructor

Before coming to Western, Karen Christenson spent nearly 10 years in medical laboratories, including Mayo Clinic in Rochester and Gundersen Health System in La Crosse. Her passion for helping patients inspired her to help train the next generation of lab technicians.

“I enjoy sharing my love of laboratory medicine with students,” she says. “It is such a joy to prepare our students for their career as Medical Laboratory Technicians.”

Nursing #105431

Associate of Applied Science | www.westerntc.edu/nursing

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.

First Term Credits

10543101	Nursing Fundamentals	2
10543102	Nursing Skills	3
10543103	Nursing Pharmacology	2
10543104	Nursing Intro Clinical Practice	2
10806177	General Anatomy & Physiology	4
10809188	Developmental Psychology	3
10801136	English Composition 1	3

Second Term

10543105	Nursing Health Alternations	3
10543106	Nursing Health Promotion	3
10543107	Nursing Clinical Care Across the Lifespan	2
10543108	Nursing Introduction to Clinical Care Management	2
10806179	Advanced Anatomy & Physiology	4
10801198	Speech	3

Fourth Term

10543109	Nursing Complex Health Alterations I	3
10543110	Mental Health & Community Concepts	2
10543111	Nursing Intermediate Clinical Practice	3
10543112	Nursing Advanced Skills	1
10806197	Microbiology	4
10809198	Intro to Psychology	3

Fifth Term

10543113	Nursing Complex Health Alterations II	3
10543114	Nursing Management & Professional Concepts	2
10543115	Nursing Advanced Clinical Practice	3
10543116	Nursing Clinical Transition	2
10809196	Intro to Sociology	3

Program Credits

65

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 | www.westerntc.edu/nursing-assistant

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 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		2
Program Credits		2
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 | www.westerntc.edu/occupational-therapy-assistant

This associate 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	Fifth Term	Credits
10806177 Gen Anatomy & Physiology		4	10514178 Geriatric Practice	3
10801136 English Composition 1		3	10514184 OTA Fieldwork I	2
10809198 Intro to Psychology		3	10514189 OT Phys Rehab Practice	4
10809172 Intro to Diversity Studies		3	10514190 OT Pediatric Practice	4
Second Term		Credits	Sixth Term	Credits
10514171 Introduction to Occupational Therapy		3	10514185 OTA Practice and Management	2
10514172 Medical and Psychosocial Conditions		3	10514186 OTA Fieldwork IIA	5
10514173 Activity Analysis and Applications		2	10514187 OTA Fieldwork IIB	5
10809188 Developmental Psychology		3		
10801198 Speech		3		
Third Term		Credits	Program Credits	64
10514174 OT Performance Skills		4	Typical Start: Summer	
10514175 Psychosocial Practice		3		
10514176 OT Theory and Practice		3		
10514179 Community Practice		2		

The Occupational Therapy Assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), 6116 Executive Boulevard, Suite 200, North Bethesda, MD 20852-4929, phone 301-652-2682, or www.acoteonline.org.

Physical Therapist Assistant #105241

Associate of Applied Science | www.westerntc.edu/physical-therapist-assistant

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	4

Second Term	Credits
10809198 Intro to Psychology	3
10524142 PTA Therapeutic Exercise	3
10524143 PTA Biophysical Agents	4
10524157 PTA Applied Kinesiology 2	3

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

Fourth Term	Credits
10524144 PTA Princ of Neuro Rehab	4
10524145 PTA Princ 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 64
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 | www.westerntc.edu/radiography

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	Fourth Term	Credits
10806177 Gen Anatomy & Physiology	4	10801198 Speech	3
10526149 Radiographic Procedures 1	5	10526194 Imaging Equipment Operation	3
10526158 Introduction to Radiography	3	10526195 Radiographic Image Analysis	2
10526159 Radiographic Imaging	3	10526199 Radiography Clinical 4	3
10526168 Radiography Clinical 1	2	10526231 Imaging Modalities	2
Second Term	Credits	Fifth Term	Credits
10801136 English Composition 1	3	10526190 Radiography Clinical 5	2
10526191 Radiographic Procedures 2	5	10526197 Radiation Protection and Biology	3
10526192 Radiography Clinical 2	3	10526174 ARRT Certification Seminar	2
10526230 Advanced Radiographic Imaging	2	10526198 Radiography Clinical 6	2
Third Term	Credits	Program Credits	62
10809172 Intro to Diversity Studies	3	Typical Start: Fall	
10526193 Radiography Clinical 3	3		
10809198 Intro to Psychology	3		
10526189 Radiographic Pathology	1		

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

Respiratory Therapy #105151

Associate of Applied Science | www.westerntc.edu/respiratory-therapy

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	Fifth Term	Credits
10806177 General Anatomy & Physiology	4	10515113 Respiratory Life Support	3
10809172 Intro to Diversity Studies	3	10515180 Respiratory Neo/Peds Care	2
10515111 Respiratory Survey	3	10515181 Respiratory/Cardio Diagnostics	3
99999999 Elective	2	10515182 Respiratory Clinical 4	3
		10515183 Respiratory Clinical 5	3
Second Term	Credits	Program Credits	64
10806197 Microbiology	4	Typical Start: Fall	
10809188 Developmental Psychology	3		
10801136 English Composition 1	3		
10801198 Speech	3		
10515174 Respiratory/Cardiac Physiology	3		
Third Term	Credits	Program Credits	64
10515173 Respiratory Pharmacology	3	Typical Start: Fall	
10515176 Respiratory Disease	3		
10515175 Respiratory Clinical 1	2		
Fourth Term	Credits	Program Credits	64
10515171 Respiratory Therapeutics 1	3		
10515172 Respiratory Therapeutics 2	3		
10515178 Respiratory Clinical 2	3		
10515179 Respiratory Clinical 3	3		
10515112 Respiratory Airway Mgmt	2		

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 | www.westernnc.edu/surgical-technology

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	Credits
10801136 English Composition 1	3
10801196 Oral/Interpersonal Communications	3
10501101 Medical Terminology	3
10806177 Gen Anatomy & Physiology	4

Second Term	Credits
10512125 Intro to Surgical Technology	4
10512126 Surgical Tech Fundamentals 1	4
10512127 Exploring Surgical Issues	2
10809198 Intro to Psychology	3

Third Term	Credits
10806197 Microbiology	4
10512128 Surgical Tech Fundamentals 2	4
10512129 Surgical Pharmacology	2
10512130 Surgical Skills Application	2

Fifth Term	Credits
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	Credits
10512135 Surgical Technology Clinical 3	3
10512136 Surgical Technology Clinical 4	3
10512142 Surgical Interventions II	4

Program Credits 61
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



Human Services Associate #105203

Associate of Applied Science | www.westernct.edu/human-services-associate

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	Fourth Term	Credits
10801136 English Composition 1	3	10520115 Field Study 1-Human Services	3
10809198 Intro to Psychology	3	10520190 Children, Families & Groups	3
10520101 Intro to Human Services	3	10520118 DisAbilities	3
10520102 Community Rsrcls and Serv	3	10801198 Speech	3
10809122 Intro to American Government	3	10809159 Abnormal Psychology	3
Second Term	Credits	Fifth Term	Credits
10520103 Intervwng Prin & Record Keep	3	10520123 Field Study 2 – Human Services	3
10520105 Cultural Issues in Human Serv	3	10520107 Intro to Addict & Sub Use Dis	3
10520106 Profess Practices in Human Services	3	10809196 Intro to Sociology	3
10520150 Intro to Gerontology	3	99999999 Elective	3
Third Term	Credits	Program Credits	60
10809188 Developmental Psychology	3	Typical Start: Fall, Spring	
10804107 College Mathematics	3		



Individualized Technical Studies (ITS)

Individualized Technical Studies (ITS) #108251

Associate of Applied Science | www.westernnc.edu/individualized-technical-studies

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

General Studies	Credits
Behavioral Science (Select One)	3
809-198 Introduction to Psychology	
Other 809 courses may be permitted	
Communications (Select Two)	6
801-136 English Composition 1	
801-198 Speech	
801-197 Technical Reporting	
Other 801 courses may be permitted	
Math/Science (Select One)	3
804-107 College Math	
804-123 Math w/ Business Apps	
Other 804/806 courses may be permitted	
Social Science (Select One)	3
809-195 Economics	
809-196 Introduction to Sociology	
809-122 Introduction to American Gov.	
Other 809 courses may be permitted	
General Studies Electives	6-15
Additional course electives	
Total General Studies	21-30

ITS	Credits
Core Credits	20
Focused in one discipline	
Additional Credits	19-20
Additional credits earned in other disciplines	
Total Individual Technical Studies	39-40
Program Credits	60-70



IT - Computer Support Specialist Pathway



IT - Computer Support Technician #311546

Technical Diploma | www.westerntc.edu/it-computer-support-technician

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	Credits	Second Term	Credits
10150101 IT Hardware/Software Fund	3	10152144 Web Programming	3
10150110 Cisco 1: Networking Fund	3	10154108 Database Concepts with SQL	3
10154102 Software Applications for Business	3	10154125 Business Information Systems	3
10154103 IT Exploration	3	10154137 IT Systems Support	3
		10801136 English Composition 1	3
Program Credits			27
Typical Start: Fall			

IT - Computer Support Specialist #101543

Associate of Applied Science | www.westerntc.edu/it-computer-support-specialist

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	Credits	Fourth Term	Credits
10150101 IT Hardware/Software Fund	3	10154161 Crystal Report Writer	3
10150110 Cisco 1: Networking Fundamentals	3	10154107 Scripting and Automation	3
10154102 Software Applications for Business	3	10154158 Training and Development	3
10154103 IT Exploration	3	10801198 Speech	3
10804123 Math w/Business Applications	3	10151100 Introduction to Cybersecurity	1
		10151101 Cybersecurity Essentials	2
Second Term	Credits	Fifth Term	Credits
10152144 Web Programming	3	10150192 Windows Server Admin 1	3
10154108 Database Concepts with SQL	3	10154132 Comp Support Spec Capstone	3
10154125 Business Information Systems	3	10154165 Help Desk Management	3
10154137 IT Systems Support	3	10809166 Intro to Ethics: Theory & App	3
10801136 English Composition 1	3	10809198 Intro to Psychology	3
Program Credits			60
Typical Start: Fall			

IT - Cybersecurity & Network Administration Pathway



T IT - Network Technician #301504

Technical Diploma | www.westerntc.edu/it-network-technician

A person with good computer skills and a desire to gain additional knowledge will benefit from the Network 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 degree in IT-Cybersecurity & Network Administration, all courses will transfer to that program.

First Term		Credits
10150101	IT Hardware/Software Fund	3
10150110	Cisco 1: Networking Fund	3
10154103	IT Exploration	3
10804123	Math w Business Apps	3
10151100	Introduction to Cybersecurity	1
Second Term		Credits
10150120	Cisco 2: Routing Technologies	3
10150137	Linux Administration	3
10150192	Windows Server Admin 1	3
10151101	Cybersecurity Essentials	2
Program Credits		24
Typical Start: Fall		



A IT - Cybersecurity & Network Administration #101512

Associate of Applied Science | www.westerntc.edu/it-cybersecurity-and-network-administration

Western's IT-Cybersecurity and Network Administration program provides students with the skills required to maintain a secure operating system along with the expertise to design, install, and manage the integrity of a computer network infrastructure. Equipment and technology used in this program includes firewalls, intrusion detection and prevention systems, anomaly identification systems, cloud computing, and associated physical security technologies. Coursework covers the most popular business class operating systems such as Microsoft Windows (Server and Workstation), Linux, and UNIX-like systems. On the network administration side, we focus on how to configure routing and switching devices. You will work with real-world equipment to gain the extensive knowledge required to accurately configure networks to transmit signals across the globe.

First Term		Credits	Fourth Term		Credits
10154103	IT Exploration	3	10150118	Network Security 1	3
10150101	IT Hardware/Software Fundamentals	3	10151115	Cisco 4: Wireless and Mobile Security	3
10150110	Cisco 1: Networking Fundamentals	3	10154145	Database Server Administration	3
10151100	Introduction to Cybersecurity	1	10154180	IT Field Study	1
10804123	Math w Business Applications	3	10801198	Speech	3
Second Term		Credits	Fifth Term		Credits
10150120	Cisco 2: Routing Technologies	3	10150119	Network Security 2	3
10150137	Linux Administration	3	10150146	Virtualization & Cloud Security	3
10150192	Windows Server Admin 1	3	10150198	Network Service and Support	3
10151101	Cybersecurity Essentials	2	10809198	Intro to Psychology	3
10801136	English Composition 1	3			
Third Term		Credits	Program Credits		64
10151110	Cisco 3: Cybersecurity Operations	3	Typical Start: Fall		
10150194	Windows Server Admin 2	3			
10154110	Windows PowerShell Scripting	3			
10809166	Intro to Ethics: Theory & App	3			

IT - Web & Software Developer #101527

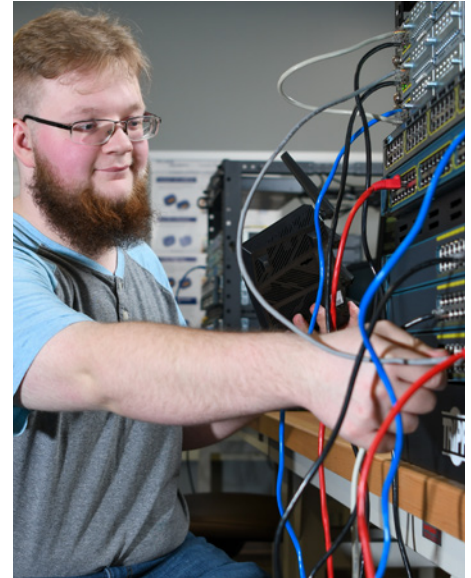
Associate of Applied Science | www.westernnc.edu/it-web-software-developer

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.

First Term		Credits
10804133	Math & Logic	3
10152144	Web Programming	3
10152153	Introduction to Java	3
10154102	Software Apps for Business	3
Second Term		Credits
10152190	Introduction to .NET	3
10152118	Applied SQL	3
10154103	IT Exploration	3
10152124	Intermediate Web Programming	3
Third Term		Credits
10152191	Database Dev with .NET	3
10152105	Game Development	2
10154178	IT Project Analysis	3
10801136	English Composition 1	3
Fourth Term		Credits
10152145	Advanced Web Programming	3
10150110	Cisco 1: Networking Fund	3
10801198	Speech	3
10152113	Adv Topics in Programming	3
Fifth Term		Credits
10809198	Intro to Psychology	3
10152187	Web Dev with ASP.NET	3
10152185	Mobile Apps Development	3
10809166	Intro to Ethics: Theory & App	3
10154180	IT Field Study	1
Program Credits		60
Typical Start: Fall		



Journeyworker #104995

Associate of Applied Science

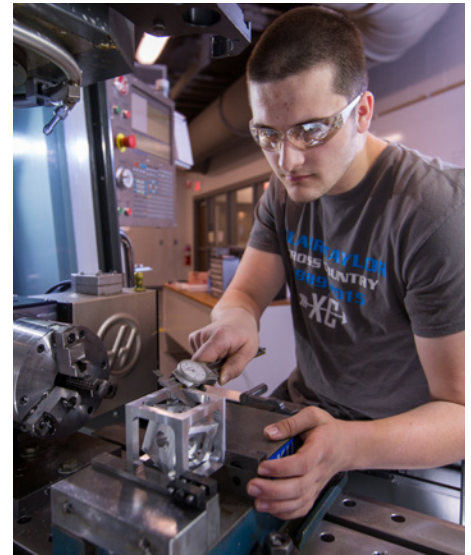
The Journeyworker program provides students who have completed their apprenticeship program the option to pursue an associate degree. The degree program helps to build on your experience, add depth to your technical skills and enhance your career potential. With 39 credits from your apprenticeship and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

General Studies	Credits
Behavioral Science (Select One)	3
809-198 Introduction to Psychology Other 809 courses may be permitted	
Communications (Select Two)	6
801-136 English Composition 1 801-198 Speech 801-197 Technical Reporting Other 801 courses may be permitted	
Math/Science (Select One)	3
804-107 College Math 804-123 Math w Business Apps Other 804/806 courses may be permitted	
Social Science (Select One)	3
809-195 Economics 809-196 Introduction to Sociology 809-122 Introduction to American Gov Other 809 courses may be permitted	
General Studies Electives	6
Additional course electives	
Total General Studies	21

Technical Studies	Credits
WI Journey-level Certificate Courses	39
Program Credits	60



Current Apprenticeships

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

Find out more!

westerntc.edu/apprenticeship



Earn while you learn!

Work for a great local company, and they pay for your training.

Criminal Justice #105045

Associate of Applied Science | www.westernnc.edu/criminal-justice

A career in a criminal justice occupation can be rewarding. This degree will help you develop the knowledge, skills, and abilities you will need to contribute to community life. Your coursework will address a wide range of subject matter required for entry level criminal justice practitioners and focus on combining theory with application.

After graduation, students can pursue certifications in law enforcement and jail by attending and successfully completing those academies at Western. Western also has transfer agreements with many other local universities for those students who desire a bachelor's degree.

Courses are conducted at Western's Public Safety Training Center in Sparta and are taught by full-time educators who advanced degrees and full-time law enforcement experience.

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

Second Term		Credits
10504823	Substantive Criminal Law	3
10504824	Justice Administration	3
10504825	Victimology	3
10504851	Ethics in Criminal Justice	2
10801136	English Comp 1	3

Fourth Term		Credits
10504827	Criminology	3
10504828	Police in America	3
10804123	Math w Business Apps	3
10801196	Oral/Interpersonal Communications	3
10504852	Relationship-Based Policing	3
10504853	Investigative Strategies	1

Fifth Term		Credits
10504829	Criminal Justice Report Writing	3
10504856	Research Methods in criminal Justice	2
10504857	Technology in Criminal Justice	1
10809172	Intro to Diversity Studies	3
10809198	Intro to Psychology	3
10504834	Police Administration	3

Program Credits 60
Typical Start: Fall

Criminal Justice-Law Enforcement 720 Academy #305042

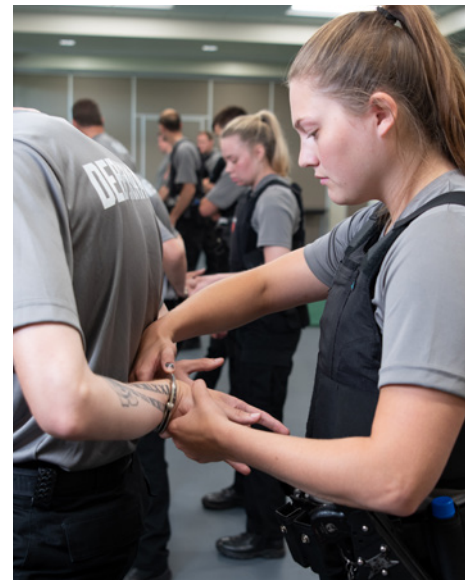
Technical Diploma | www.westernnc.edu/criminal-justice-law-enforcement-720-academy

This program is specifically designed for those with a minimum of 40 accredited college-level credits who seek to meet Wisconsin certification requirements as a law enforcement officer. In this role, you'll be responsible for the preservation of law and order in your community. You'll learn numerous skills related to the profession of law enforcement. Your training will also include crime prevention, crime investigation, vehicle patrols and assisting the public. This program includes in-class fitness training and other physical education such as defensive tactics and firearms training. You'll have plenty of opportunities to practice your skills with hands-on training and scenario-based field simulations.

First Term Credits	
30504500	Overview of Patrol Response 2
30504501	Physical Fitness 1
30504502	Application of Investigations 1
30504503	Overview of Criminal Justice 1
30504504	Principles of Emergency Vehicle Response 2
30504505	Sensitive Crimes 2
30504506	Overview of Investigations 2
30504507	Application of Traffic Response 3
30504508	Principles of Investigations 1
30504509	Principles of Tactics 5
30504510	Overview of Tactics 1
30504511	Scenario Assessment 1

Program Credits 22
Typical Start: Spring, Summer

The Law Enforcement Academy is an approved program by the Wisconsin Department of Justice - Training and Standard Bureau. www.doj.state.wi.us/dles/training-and-standards-bureau/training-and-standards-bureau



Fire Protection Technician #105032

Associate of Applied Science | www.westernnc.edu/fire-protection-technician

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 for Fire Protection	3
10503195 Fire Behavior and Combustion	3
10503192 Principles of Emergency Services Safety & Survival	3
10503191 Principles of Emergency Services	2
10801136 English Composition 1	3
10807115 Fit & Wellness for Publ Safety	2

Second Term	Credits
10804107 College Mathematics	3
10503142 Fire Fighting Principles	4
10503193 Fire Protection Systems	3
10503153 Hazardous Materials Awareness & Ops	1
10801196 Oral/Interpersonal Comm	3

Fourth Term	Credits
10503110 Firefighter II	3
10503151 Fire Prevention	4
10531105 EMR and EMT Part 1	2
10809196 Introduction to Sociology	3
99999999 Elective	4

Fifth Term	Credits
10503105 Trends in the Fire Service	3
10503194 Fire Protection Hydraulics	3
10531106 EMT Part 2	3
10503101 Technical Rescue	2
10809198 Intro to Psychology	3

Program Credits 60
Typical Start: Fall

Legal Studies/Paralegal #101101

Associate of Applied Science | www.westernnc.edu/legal-studiesparalegal

An exciting and challenging career awaits you in a 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. Paralegals may not provide legal services directly to the public, except as permitted by law.

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. Courses are offered in person during the day, fully online, or a blend of the two formats.

First Term	Credits
10801136 English Composition 1	3
10154102 Software Apps for Business	3
10110101 Intro to Paralegal & Ethics	3
10110102 Civil Litigation 1	3
10110104 Legal Research	3

Second Term	Credits
10804123 Math w Business Apps	3
10101108 Introduction to Accounting	3
10110103 Civil Litigation 2	3
10110107 Legal Aspects of Business Org	3

Fourth Term	Credits
10801198 Speech	3
10809166 Intro to Ethics: Theory & App	3
10110106 Family Law	3
10110110 Real Estate Law	3
10110168 Criminal Procedures	3
10110135 Legal Technology	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 60
Typical Start: Fall

The Paralegal program is an ABA (American Bar Association) approved program.
www.americanbar.org/aba.html

Paramedic Technician Pathway



T Emergency Medical Technician - Basic #305313

Technical Diploma | www.westerntc.edu/emergency-medical-technician-basic

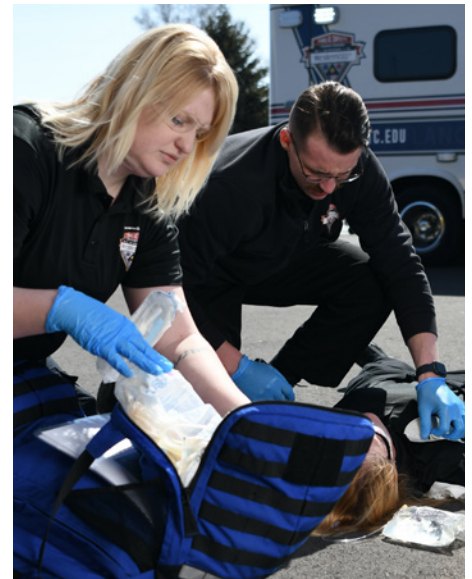
As an Emergency Medical Technician (EMT), you're on the front lines providing lifesaving care to people in need. You'll learn how to assess a patient's illness or injury, render aid, and use proper procedures and precautions when treating a patient. This 180-hour course covers all the situations you 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 degree for further job opportunities and earning potential.

First Term	Credits
10531109 EMT Basic	5
Program Credits	5
Typical Start: Fall, Spring, Summer	



T Emergency Medical Technician - Advanced #305316

Technical Diploma | www.westerntc.edu/emergency-medical-technician-advanced

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.

First Term	Credits
30531303 Advanced EMT	4
Program Credits	4
Typical Start: Fall, Spring, Summer	

Paramedic Technician Pathway cont. on next page

Paramedic Technician Pathway cont.



Emergency Medical Technician - Paramedic #315311

Technical Diploma | www.westerntc.edu/emergency-medical-technician-paramedic

Save lives as an EMT-Paramedic. Paramedics respond to emergencies and provide aid to victims of accidents or those experiencing a medical emergency. 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 degree for increased earning potential.

First Term	Credits
10531911 EMS Fundamental	2
10531912 Paramedic Medical Principles	4
10531913 Adv. Patient Assess Principles	3
10531914 Adv. Pre-Hospital Pharm	3
10531915 Paramedic Respiratory Mgmt	2
10531916 Paramedic Cardiology	4
10531931 Paramedic Portfolio 1	2

Second Term	Credits
10531918 Adv Emergency Resuscitation	1
10531930 Medical Emergencies	3
10531920 Paramedic Trauma	3
10531921 Special Patient Populations	3
10531932 Paramedic Portfolio 2	2

Third Term	Credits
10531934 Capstone	2
10531922 EMS Operations	1
10531933 Clinical/Field Experience	3

Program Credits 38
Typical Start: Fall

Western Technical College EMT – Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). Contact CoAEMSP at 8301 Lakeview Parkway, Suite 111-312, Rowlett, TX 75088 214-703-8445 FAX 214-703-8992 www.coaemsp.org



Paramedic Technician #105311

Associate of Applied Science | www.westerntc.edu/paramedic-technician

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 degree program will provide you with the skills you need to work for ambulance services, fire departments, police departments, or hospitals.

First Term	Credits
10801136 English Composition 1	3
10801198 Speech	3
10806177 Gen Anatomy & Physiology	4
10809198 Intro to Psychology	3

Second Term	Credits
10806179 Adv Anatomy & Physiology	4
10809188 Developmental Psychology	3
10809196 Intro to Sociology	3
99999999 Elective	3

Fourth Term	Credits
10531911 EMS Fundamental	2
10531912 Paramedic Medical Principles	4
10531913 Adv. Patient Assess Principles	3
10531914 Adv. Pre-Hospital Pharm	3
10531915 Paramedic Respiratory Mgmt.	2
10531916 Paramedic Cardiology	4
10531931 Paramedic Portfolio 1	2

Fifth Term	Credits
10531918 Adv Emergency Resuscitation	1
10531920 Paramedic Trauma	3
10531921 Special Patient Populations	3
10531930 Medical Emergencies	3
10531932 Paramedic Portfolio 2	2

Sixth Term	Credits
10531922 EMS Operations	1
10531933 Clinical/Field Experience	3
10531934 Capstone	2

Program Credits 63
Typical Start: Fall

Western Technical College Paramedic Technician program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). Contact CoAEMSP at 8301 Lakeview Parkway, Suite 111-312, Rowlett, TX 75088 214-703-8445 FAX 214-703-8992 www.coaemsp.org

Mechatronic & Robotic Engineering Technology Pathway



T Industrial Machine Controls #306201

Technical Diploma | www.westerntc.edu/industrial-machine-controls

Western Technical College's district is expecting 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 degree for additional career opportunities and earning potential.

First Term	Credits
10664110 Intro to Mechatronics	2
10664102 Intro to Industrial Control Systems	2
10620103 Industrial Electricity	2
10620105 Fundamental Electrical Skills	1
10620153 Basic PLC Programming w Digital	2
10620158 PLC Applications	2
10620135 Basic Industrial Controls	2

Program Credits 13
Typical Start: Fall



A Mechatronic & Robotic Engineering Technology #106641

Associate of Applied Science | www.westerntc.edu/mechatronic-robotic-engineering-technology

This program is designed to provide you with the skills needed to enter the growing field of mechatronic and robotic systems. Highly paid technicians in this field are responsible for setup, troubleshooting, repairs, and modifications of programs in a wide array of computer-controlled industrial and manufacturing operation.

Competent mechatronic and robotic system technicians possess the skills to tackle the complexity of equipment used in a variety of advanced manufacturing applications. These skills include experience with sensors, Programmable Logic Controllers (PLC-Industrial Computers), Human Machine Interfaces (HMI-Touch Screens), motors, motor drives, and robotics.

Additional coverage of Industry 4.0 topics such as Smart Sensors, SCADA (Supervisory Control and Data Acquisition), and machine vision systems will prepare you for both an intellectually and financially rewarding career in this field.

You may also choose to continue your education with engineering bachelor's degree transfer options. See the program transfer agreements information for more details.

First Term	Credits	Fourth Term	Credits
10804107 College Mathematics	3	10620114 Siemens Control Systems	2
10664110 Intro to Mechatronics	2	10620165 Robotics Maintenance	2
10664102 Intro to Industrial Control Systems	2	10620102 Intro to Process Controls	2
10620103 Industrial Electricity	2	10606163 AutoCAD Level 1	2
10620105 Fundamental Electrical Skills	1	10664104 Rapid Prototyping	2
10620153 Basic PLC Programming w Digital	2	10801196 Oral/Interpersonal Communications	3
10620158 PLC Applications	2	10620144 Mechanical Drives	2
10620135 Basic Industrial Controls	2	10620112 Fluid Power Fund	2

Second Term	Credits	Fifth Term	Credits
10801136 English Composition 1	3	10664105 Robotic Applications	2
10620120 Motors and Drives	2	10664109 Automated Systems Troubleshooting	2
10620139 Adv PLC Programming	2	10664101 Tag Based HMI/SCADA Systems	2
10620164 Automation Systems Integration	2	10664103 Safeguarding and Safety Circuits	2
10620141 Industrial Networking	2	10809198 Intro to Psychology	3
10664107 Intro to Industrial Robotics	2	10809195 Economics	3
10664120 Intro to Industrial Internet of Things	2	10664106 Mechatronics Internship	1
		10664111 Advanced IO Device Applications	2

Program Credits 65
Typical Start: Fall

Electromechanical Technology Pathway



Electromechanical Maintenance Technician #316203

Technical Diploma | www.westerntc.edu/electromechanical-maintenance-technician

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 degree program, or seek employment in the field.

First Term	Credits	Second Term	Credits
10664110 Intro to Mechatronics	2	10664107 Intro to Industrial Robotics	2
10664102 Intro to Industrial Control Systems	2	10664120 Intro to Industrial Internet of Things	2
10620103 Industrial Electricity	2	10620144 Mechanical Drives	2
10620105 Fundamental Electrical Skills	1	10620112 Fluid Power Fund	2
10620153 Basic PLC Programming w Digital	2	10620100 Pumps and Gear Boxes	2
10620158 PLC Applications	2	10801136 English Composition 1	3
10620135 Basic Industrial Controls	2	10462105 Pipefitting for Maintenance	3

Program Credits 29
Typical Start: Fall

Electromechanical Technology #106201

Associate of Applied Science | www.westerntc.edu/electromechanical-technology

The technical skills developed through our Electromechanical Technology program will prepare you for a rewarding career in a wide array of manufacturing and industrial sectors. A combination of theory and hands-on activities will provide the experience needed to enter this high-demand field.

The program emphasizes the application of control systems that integrate computers, hydraulics, pneumatics, motor controls, robotics and mechanical drives to perform an automated process. Maintenance skills including mechanical, electrical, welding and machining are also developed.

You will be introduced to the latest technology and graduate with an up-to-date skill set to directly enter this rewarding field.

You may also choose to continue your education with engineering bachelor's degree transfer options. See the program transfer agreements information for more details.

First Term	Credits	Fourth Term	Credits
10804107 College Mathematics	3	10620141 Industrial Networking	2
10664110 Intro to Mechatronics	2	10620120 Motors and Drives	2
10664102 Intro to Industrial Control Systems	2	10620139 Adv PLC Programming	2
10620103 Industrial Electricity	2	10620164 Automation System Integration	2
10620105 Fundamental Electrical Skills	1	10420105 Machining for Maintenance	3
10620153 Basic PLC Programming w Digital	2	10664103 Safeguarding and Safety Circuits	2
10620158 PLC Applications	2	10809198 Intro to Psychology	3
10620135 Basic Industrial Controls	2		

Second Term	Credits	Fifth Term	Credits
10664107 Intro to Industrial Robotics	2	10809195 Economics	3
10664120 Intro to Industrial Internet of Things	2	10801196 Oral/Interpersonal Comm	3
10620144 Mechanical Drives	2	10442109 Welding for Maintenance	3
10620112 Fluid Power Fund	2	10620114 Siemens Control Systems	2
10620100 Pumps and Gear Boxes	2	10620102 Intro to Process Controls	2
10801136 English Composition 1	3	10664109 Automated Systems Troubleshooting	2
10462105 Pipefitting for Maintenance	3	10620180 Electromechanical Internship	1

Program Credits 64
Typical Start: Fall

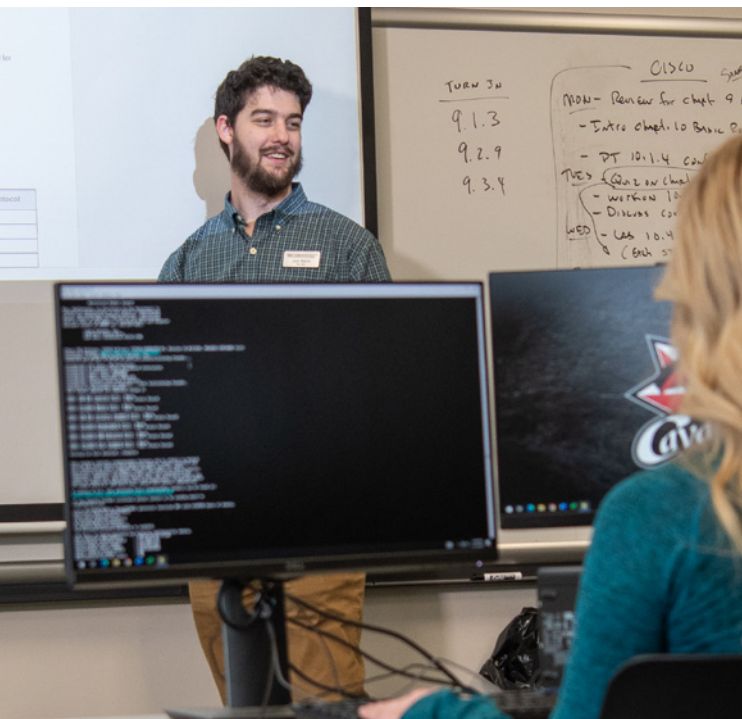
IoT Integration Specialist #106315

Associate of Applied Science | www.westerntc.edu/iot-integration-specialist

An IoT integration specialist understands the Internet of Things. They understand connected devices that run our world, from the sensor level to the cloud. As an IoT integration specialist, you will have the skills to build and integrate the connected systems of the future in many different work environments, like manufacturing, modern agriculture, health care, and civil works. If you want to marry hands-on skills with computer programming and networking, this is the program for you.

First Term	Credits	Fourth Term	Credits
10801136 English Composition	3	10809198 Intro to Psychology	3
10664107 Intro to Industrial Robotics	2	10151110 Cisco 3: Cybersecurity Operations	3
10664120 Intro to Industrial Internet of Things	2	10620139 Adv PLC Programming	2
10664110 Intro to Mechatronics	2	10620164 Automation Systems Integration	2
10664102 Intro to Industrial Control Systems	2	10664103 Safeguarding and Safety Circuits	2
10620103 Industrial Electricity	2		
Second Term	Credits	Fifth Term	Credits
10150110 Cisco 1: Networking Fundamentals	3	10631101 IoT Integration Career Development	2
10150120 Cisco 2: Routing Technologies	3	10152130 Programming for Integration	3
10620153 Basic PLC Programming w Digital Apps	2	10631110 IoT Integration Field Study	1
10154108 Database Concepts	3	10664101 Tag Based HMI/SCADA Systems	2
10809195 Economics	3	10801198 Speech	3
		10196150 Machine Learning – Operations Mgt	3
Third Term	Credits	Program Credits	63
10804133 Math and Logic	3	Typical Start: Fall	
10151100 Intro to Cyber Security	1		
10150137 Linux Admin	3		
10102215 Data Utilization for Business	3		

You'll  Our Faculty!



Joe Servi IoT Instructor

Joe Servi has spent the last few years working in electromechanical technology. After a stint with Dynamic Lifecycle Innovations in maintenance, Joe made the jump to USEMCO, working as PLC Programmer. He's excited to be back at Western, teaching students in a cutting-edge field that combines both engineering and programming.

"I eventually made the jump from industry to teaching and I really enjoy it," he says. "It is such a unique experience to watch students learn, and it is very fulfilling."

Welding Pathway



T Basic Welding #304429

Technical Diploma | www.westerntc.edu/basic-welding

Learn the fundamental welding techniques and applications of SMAW, Wirefeed, Tig, Oxy-fuel, blueprints and fabrication in this one term fundamental welding program. This Technical Diploma is fully embedded within the larger 2-term Welding and Fabrication Technical Diploma program.

First Term	Credits
10442106 Manual Torch Metal Cutting Theory & Tech	1
10442105 Introduction to Welding	1
31442301 Welding-Oxy Fuel Metals Join	1
31442302 Welding Fabrication 1	2
31442303 Welding – SMAW 1	2
31442306 Wirefeed Welding 1	2
31442308 Welding – Blueprint Reading 1	1
31442315 Welding – TIG 1	2
31442316 Wirefeed Welding 2	2
31804317 Applied Math – Welding	1

Program Credits 15
Typical Start: Fall
Also Spring Start Format Available



T Welding & Fabrication #314421

Technical Diploma | www.westerntc.edu/welding-fabrication

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, and robotic arc welding. You'll be educated 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	Second Term	Credits
10442106 Manual Torch Metal Cutting Theory & Tech	1	31442312 Welding Fabrication 2	2
10442105 Introduction to Welding	1	31442313 Welding – SMAW 2	2
31442301 Welding-Oxy Fuel Metals Join	1	31442322 Welding Fabrication 3	2
31442302 Welding Fabrication 1	2	31442325 Welding – TIG 2	2
31442303 Welding – SMAW 1	2	31442326 Wirefeed Welding 3	2
31442306 Wirefeed Welding 1	2	10442110 Robotic Welding Operations	2
31442308 Welding – Blueprint Reading 1	1	10442116 Welding – TIG 3	2
31442315 Welding – TIG 1	2	31801330 Application Communication Skills	2
31442316 Wirefeed Welding 2	2		
31804317 Applied Math – Welding	1		

Program Credits 31
Typical Start: Fall

Digital Marketing Pathway



T Digital Marketing Specialist #311045

Technical Diploma | www.westernnc.edu/digital-marketing-specialist

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

Second Term		Credits
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		Credits
10104155	Marketing Research	3
10804123	Math w Business Apps	3
10809198	Intro to Psychology	3

Program Credits 33
Typical Start: Fall



A Digital Marketing #101048

Associate of Applied Science | www.westernnc.edu/digital-marketing

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

Students are required to attend this live interactive class session one evening each week virtually by using webinar software either from home or at one of the Western regional campuses.

First Term		Credits
10104184	Promotion Principles	3
10104114	Marketing Principles	3
10104103	Marketing Career Preparation	3
10154102	Software Applications for Business	3

Second Term		Credits
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		Credits
10104155	Marketing Research	3
10804123	Math w Business Apps	3
10809198	Intro to Psychology	3
10196188	Project Management	3

Fourth Term		Credits
10104106	E-Commerce	3
10104174	SEO and Marketing Analytics	3
10801198	Speech	3
10104109	Social Media Strategies	3

Fifth Term		Credits
10104111	Consumer Behavior	3
10809195	Economics	3
10104117	Integrated Marketing Campaign	3
10104182	Personal Brand Management	3

Program Credits 60
Typical Start: Fall

Sales Management Pathway



Customer Service Representative #611041

Certificate | www.westerntc.edu/customer-service-representative

When you have solid customer service skills, your value to prospective employers increases. Our Customer Service Representative Pathway Certificate is a great starting point if you're planning a career that puts you in front of the public.

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

Earned in just one term, this certificate tells prospective employers that you know how to work with people, have good computer skills, and understand the sales process.

First Term		Credits
10104128	Professionalism and Success	3
10106106	Quality Customer Service	3
Program Credits		6
Typical Start: Fall		

Sales Fundamentals #611043

Certificate | www.westerntc.edu/sales-fundamentals

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 degree in Sales Management.

First Term		Credits
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		

Sales Representative #311048

Technical Diploma | www.westerntc.edu/sales-representative

Go far with strong sales skills! 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 internal, external, 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 means you have business credentials that can lead to employment, a promotion, and higher pay. Or, you can choose to pursue an associate degree in Sales Management.

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

First Term		Credits	Third Term		Credits
10104128	Professionalism and Success	3	10801198	Speech	3
10106106	Quality Customer Service	3	10104164	Principles of Inside Sales	3
10154102	Software Applications for Business	3	10104110	Marketing Financials	3
10104119	Selling Principles	3	Program Credits		33
Second Term		Credits	Typical Start: Fall		
10104163	Advanced Professional Selling	3			
10102106	Introduction to Business	3			
10104114	Marketing Principles	3			
10801136	English Composition 1	3			

Sales Management Pathway cont. on next page

Sales Management Pathway cont.



Sales Management #101042

Associate of Applied Science | www.westerntc.edu/sales-management

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.

First Term	Credits	Fourth Term	Credits
10104128 Professionalism and Success	3	10196134 Legal Issues for the Workplace	3
10106106 Quality Customer Service	3	10102108 Entrepreneurship Explr & Mindset	3
10154102 Software Appl for Business	3	10804123 Math w Business Apps	3
10104119 Selling Principles	3	10102134 Principles of Management	3
Second Term	Credits	Fifth Term	Credits
10104163 Advanced Professional Selling	3	10104165 Sales Team Management	3
10102106 Introduction to Business	3	10104152 Project Management Principles	3
10104114 Marketing Principles	3	10809166 Intro to Ethics: Theory & App	3
10801136 English Composition 1	3	10809195 Economics	3
Third Term	Credits	Program Credits	60
10801198 Speech	3	Typical Start: Fall	
10809198 Intro to Psychology	3		
10104164 Principles of Inside Sales	3		
10104110 Marketing Financials	3		

You'll Our Faculty!

Ray Slattery

Sales Management Instructor

Ray Slattery has 15 years of sales experience, working with government contractors and law firms in the Washington, D.C. region by increasing their revenue and building their brand. He takes the same approach to teaching, leveraging a student's strengths to build their confidence.

"I teach because I enjoy helping people succeed. A great teacher multiplies a student's efforts. I try to be that multiplier."



Computer Aided Design (CAD) Technician #316062

Technical Diploma | www.westerntc.edu/computer-aided-design-cad-technician

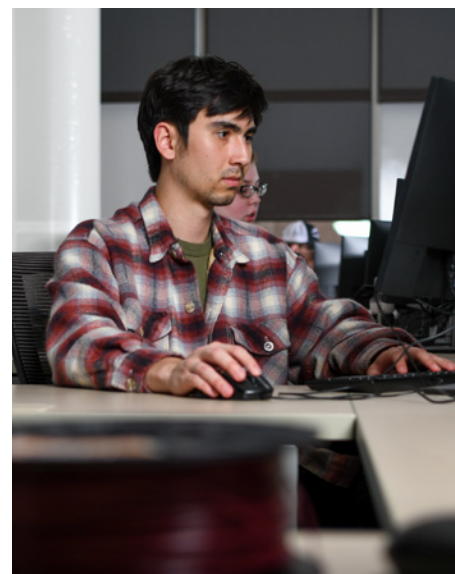
You can have a hand in designing products with an education in Computer Aided Design (CAD). CAD technicians work closely with engineers as they prepare and revise technical drawings and documentation used to build products for a variety of industries.

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		Credits
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		Credits
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



Electronic & Computer Engineering Technology #106632

Associate of Applied Science | www.westerntc.edu/electronic-computer-engineering-technology-cet

Turn your talents into an exciting career with a degree in Electronic and Computer Engineering Technology (ECET). In this program, you will study the basics of electronic circuits and devices, technical math, physics, computer language, communication systems, data acquisition, and networking. 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 hardware and software components as well as industry-related documentation.

Upon completion of this associate degree, you can land a lucrative career in a high-tech field. You can also choose to pursue a bachelor's degree in Electrical Engineering or Computer Engineering at the Milwaukee School of Engineering (MSOE), a bachelor's degree in Computer Science or Computer Engineering at UW-La Crosse, or other available transfer options.

First Term		Credits
10660115	DC/AC 1	3
10660116	DC/AC 2	3
10801136	English Composition 1	3
10804113	College Technical Math 1A	3
10804114	College Technical Math 1B	2

Second Term		Credits
10660125	Electronic Devices	4
10662137	Digital Electronic Concepts	4
10804116	College Technical Math 2	4

Third Term		Credits
10809196	Intro to Sociology	3
10809198	Intro to Psychology	3
10801197	Technical Reporting	3

Fourth Term		Credits
10662153	Intro to LabVIEW	2
10662134	Embedded Systems	4
10662140	Data Comm & Networking	3
10606184	Solidworks	2
10662157	Integrated Circuit Applications	3

Fifth Term		Credits
10605200	Industrial Control Systems	4
10663170	Electronics Project	3
10806154	General Physics 1	4
99999999	Elective	3

Program Credits 63
Typical Start: Fall

Healthcare Technology Management Pathway



Healthcare Electronics Technician #316053

Technical Diploma | www.westerntc.edu/healthcare-electronics-technician

This technical diploma will provides you with the entry-level skills to diagnose, repair, and maintain medical equipment in a healthcare setting. Learn fundamentals in technical areas, such as electronic devices and circuits, terminology, math, and instrumentation.

Get started in a career with this credential or continue your education to earn the Healthcare Technology Management associate degree for further job opportunities and earning potential.

First Term	Credits	Second Term	Credits
10605100 Intro to BioMed Technology	1	10605209 BioMed Codes/Stand/Procedures	3
10660115 DC/AC 1	3	10605206 Medical Instrumentation	3
10660116 DC/AC 2	3	10660125 Electronic Devices	4
10804113 College Technical Math 1A	3	10150101 IT Hardware/Software Fundamentals	3
10806120 Body Structure & Function	3	10660131 Digital Fundamentals	1
10660106 Basic Soldering	1		
		Program Credits	28
		Typical Start: Fall	

Healthcare Technology Management #106056

Associate of Applied Science | www.westerntc.edu/healthcare-technology-management

Technology is a critical part of today's healthcare environment, and the people who maintain it play an important role. With this degree, 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. Apply your knowledge in equipment mechanics, hydraulics, pneumatics, and networking 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, this 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 a rewarding way to use your skill in technology to help others.

First Term	Credits	Fourth Term	Credits
10605100 Intro to BioMed Technology	1	10605203 Onsite Biomedical Clinical Exp 1	3
10660115 DC/AC 1	3	10660132 Digital Applications	1
10660116 DC/AC 2	3	10605201 Healthcare Systems & Tech Tblshtng	3
10804113 College Technical Math 1A	3	10150110 Cisco 1: Networking Fundamentals	3
10806120 Body Structure & Function	3	10605211 Biomed Science Apps – Part 1	2
10660106 Basic Soldering	1		
		Fifth Term	Credits
Second Term	Credits	10605205 Biomedical Networking Apps	2
10605209 BioMed Codes/Stand/Procedures	3	10605212 Advanced Bio-Med Internship	2
10605206 Medical Instrumentation	3	10605213 Imaging Systems X-Ray	2
10660125 Electronic Devices	4	10605214 Imaging Systems Modalities	2
10150101 IT Hardware/Software Fundamentals	3	10605215 Biomed Science Apps – Part 2	2
10660131 Digital Fundamentals	1	10605216 Profession & CBET Prep	1
		10151100 Introduction to Cybersecurity	1
Third Term	Credits	Program Credits	64
10801198 Speech	3	Typical Start: Fall	
10801136 English Composition 1	3		
10809198 Intro to Psychology	3		
10809196 Intro to Sociology	3		

Mechanical Design Technology #106061

Associate of Applied Science | www.westernnc.edu/mechanical-design-technology

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.

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.

First Term	Credits	Fifth Term	Credits
10420119 Manufacturing & Engineering Mtrls	3	10801197 Technical Reporting	3
10606137 Sketching & Auto CAD Level 1	2	10809196 Intro to Sociology	3
10606147 Sketching & Auto CAD Level 2	2	10606158 Design Analysis	3
10606115 Parametric Design 1	3	10606164 Design Problems	4
10606165 Geometric Dimension & Tolerance	3	10620112 Fluid Power Fundamentals	2
Second Term		Program Credits	
10801136 English Composition 1	3		62
10804113 College Technical Math 1A	3	Typical Start: Fall	
10420120 Mfg Processes/Machining CAM	3		
10605138 Fund Of Elecs & Fabrication	2		
10606133 Parametric Design 2	4		
10606184 Solidworks	2		
Fourth Term		Credits	
10806154 General Physics	4		
10809195 Economics	3		
10809198 Intro to Psychology	3		
10606124 Statics & Strength Of Materials	4		
10606156 Mechanisms and Dynamics	3		



Automotive Technician Pathway



T Automotive Maintenance & Light Repair Technician - Level 1 **#304041**

Technical Diploma | www.westerntc.edu/automotive-maintenance-light-repair-technician-level-1

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. 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

T Automotive Service Technician - Level 2 **#304042**

Technical Diploma | www.westerntc.edu/automotive-service-technician-level-2

The knowledge and skills gained from this program 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

T Automotive Technician **#324042**

Technical Diploma | www.westerntc.edu/automotive-technician

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 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
32404358 Chassis Electrical & Elect Sys	3
32404367 Drive Systems 2	3

Fifth Term	Credits
32404362 Engine Performance 2	3
32404366 Automotive Trade Simulation	3
32404372 Internship-Automotive	2
32404355 Automatic Transmissions	3

Program Credits **55**
Typical Start: Fall

The Automotive Technician program is accredited by the ASE Education Foundation. www.aseeducationfoundation.org

Diesel & Heavy Equipment Technician Pathway



T Diesel & Heavy Equipment Technician Assistant #314122

Technical Diploma | www.westerntc.edu/diesel-heavy-equipment-technician-assistant

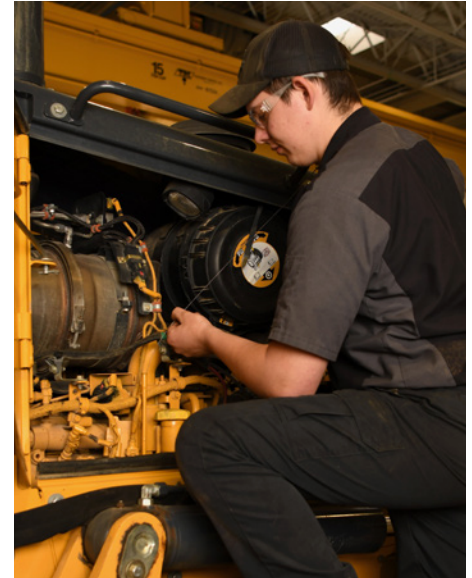
For the person who enjoys working with large equipment in a shop setting, this technical diploma combines knowledge of truck and heavy equipment repair, shop safety and industry practices, diesel engine components, fundamentals of electrical systems, transportation welding, and use of online service 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 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.

First Term	Credits
32412400 Diesel Truck Preventive Maintenance	1
32412401 Diesel Truck Powertrains	3
32412351 Diesel Truck Brake Systems	3
32412402 Diesel Truck Chassis Systems	3
32412403 Diesel Online Service Utilization	2
32412404 Diesel Safety and Industry Practices	2
32412405 Diesel Heavy Truck & Forklift Famil	1

Second Term	Credits
32412406 Diesel Electricity Fund	3
32412407 Diesel Electricity Trblshtng	3
32412303 Diesel Basic Engines	3
32442317 Welding- Transportation	1
31801330 Applied Communication Skills	2

Program Credits 27
Typical Start: Fall



T Diesel & Heavy Equipment Technician #324121

Technical Diploma | www.westerntc.edu/diesel-heavy-equipment-technician

As a diesel and heavy equipment technician, help keep business and industry moving by diagnosing and repairing diesel engines, heavy trucks and 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 compete the course in 21 months. Graduates have excellent career opportunities in a secure and rewarding field.

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.

First Term	Credits
32412400 Diesel Truck Preventive Maintenance	1
32412401 Diesel Truck Powertrains	3
32412351 Diesel Truck Brake Systems	3
32412402 Diesel Truck Chassis Systems	3
32412403 Diesel Online Service Utilization	2
32412404 Diesel Safety and Industry Practices	2
32412405 Diesel Heavy Truck & Forklift Famil	1

Second Term	Credits
32412406 Diesel Electricity Fund	3
32412407 Diesel Electricity Trblshtng	3
32412303 Diesel Basic Engines	3
32442317 Welding- Transportation	1
31801330 Applied Communication Skills	2

Fourth Term	Credits
32412408 Diesel Engine Rebuilding	3
32412409 Diesel Advanced Engines	2
32412321 HVAC- Diesel	2
32412412 Diesel Advanced Electricity	3
32412417 Diesel Heavy Equip Internship	1
31804336 Applied Math- Transportation	2

Fifth Term	Credits
32412413 Diesel Heavy Equip Powertrains	3
32412414 Diesel Hydraulic/Hydrostatic Syst	3
32412415 Diesel Heavy Equip Inspec & Famil	3
32412416 Diesel Heavy Equip Live Repair	3
32442327 Welding Heavy Equip Fab	2

Program Credits 54
Typical Start: Fall

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

It's Time to Get Started; it's time to become a Cavalier!



Admissions Checklist

1. Choose a program! Explore in this book or online at: www.westerntc.edu/programs.
2. Apply online at: www.westerntc.edu/apply to get access to your personal admissions portal.
3. Check your portal for specific admission requirements.

Admissions Coaching

A dedicated admissions coach will work with you through the entire process. Have questions or need advice? Just ask!

www.westerntc.edu/admissions-coaches | 608.785.9200 | admissionscoach@westerntc.edu

2023-2024 Academic Calendar

Fall 2023 Term

Classes start: Sept. 5

Thanksgiving break: Nov. 23 – 25

Classes end: Dec. 16

Spring 2024 Term

Classes start: Jan. 8

Spring break: Apr. 29 – March 2

Classes end: Apr. 20

Summer 2024 Term

Classes start: May 6

Classes end: Aug. 16

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.



YOU
BELONG HERE



Apply Today!
www.westerntc.edu/apply

Check out the interactive map on our website.

Attend a program preview
it's a great way to explore different programs.
Web: westerntc.edu/program-previews

Set up a campus tour
get a feel for campus life and academics.
Web: westerntc.edu/visit-western

WESTERNTC.EDU | 800-322-9982 | STATE RELAY: 711



Western
Technical College