

# Western Technical College

Western Programs & Courses | 2025-2026 Viewbook

DO  
SOMETHING  
FOR  
YOU



[westernnc.edu](http://westernnc.edu)



# YOU BELONG HERE!

**More Than Just a Degree.**

**At Western, you're part of a supportive community dedicated to helping you reach your goals. Imagine a place where your ambitions are encouraged and your plans are considered.**

# Western is a great place to call home.

## Explore

Choose from more than 90 programs.

## Learn

Discover something you love.

## Study

Get really good at something that interests you.

## Grow

Build your confidence.

## Belong

Find your community—and live your best life.

**43**

Associate  
Degrees

**36**

Technical  
Diplomas

**13**

Certificates/  
Apprenticeships



[westerntc.edu/future-students](https://westerntc.edu/future-students)



# CAMPUS LIFE

## **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.**

# Everything You Need.

## Residence Hall

Experience the convenience, security, and social life of on-campus housing at Western. Our residence hall features 50 suite-style furnished apartments, each with a kitchen, living room, and full bath.

## Wellness Center and Gymnasium

Stay fit and healthy at our Wellness Center, which offers a Peloton bike, treadmills, ellipticals, upright and recumbent bikes, Matrix strength machines, free weights, and functional fitness gear. Enjoy additional features like a gymnasium, group fitness classes, massage therapy, and locker rooms with showers.

## Dining and Snacking

The Union Market is your go-to dining spot. From subs and pizza to fresh fruit and salads, plus a grab-and-go cooler with drinks and snacks, we've got it all. Visit our coffee bar for a caffeine boost, grab a quick bite before class, or fuel up during study breaks.

## Library and Learning Commons

Western offers a wide range of resources, including databases, streaming videos, ebooks, and print. Our dedicated staff is here to support your academic journey and help you succeed.

**30+** **STUDENT  
CLUBS**



[westerntc.edu/future-students](https://westerntc.edu/future-students)

# Western Athletics

Western supports student-athletes in the classroom,  
the community, and the competitive arena.



# 5

## ATHLETIC TEAMS

- MEN'S BASEBALL · WOMEN'S VOLLEYBALL
- CLAY TARGET · POWERLIFTING · ESPORTS



# Show your Cavalier PRIDE!



[westerncavaliers.com](http://westerncavaliers.com)



# ACADEMIC LIFE

**The Academic Journey is Flexible and Supportive.**

**At Western, you'll find flexible programs, supportive instructors,  
and hands-on learning experiences designed to fit your  
life and help you succeed.**

# Your Career Starts Here.

## Academics, Programs, and Pathways

Whether you're considering Western for a degree, upskilling or job training, a pathway to a four-year degree, we are invested in your success!

## Flexible Options for Everybody—in-person, online, and then some

In addition to our efficient 7-week session courses, Western offers a variety of flexible learning options, including options to take classes live with other students, participate when it works for your schedule, and a mix of online and in-person learning.

## Career Services—getting you on the right path

Pondering a program and are unsure? Our Career Services team can help you discover your interests, likes, and talents to find a program to match your unique strengths.

## Building a Career through Pathways

Career pathways allow for career development while working by completing short, stackable certificates.

**100%** of faculty have worked  
in the field they teach



[westernnc.edu/programs](https://westernnc.edu/programs)

# Your Success is Our Mission.



**94%**

**OF GRADS ARE  
EMPLOYED WITHIN  
6 MONTHS**

**71%**

**EMPLOYED IN  
WESTERN'S  
DISTRICT**

# 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.



## Associate of Arts (AA)

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

## Associate of Science (AS)

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

## Transfer Any Associate Degree

Western has agreements with several universities. Our associate degree graduates can enter the transfer school as a junior.

# TOP 4 TRANSFER SCHOOLS

- UNIVERSITY OF WISCONSIN-LA CROSSE
- VITERBO UNIVERSITY
- WINONA STATE UNIVERSITY
- UNIVERSITY OF WISCONSIN-MADISON



[westerntc.edu/university-transfer](https://westerntc.edu/university-transfer)



# FIND YOUR VALUE

**Investing in Yourself for a Lifetime of Rewards.**

**Western is known for putting a great education within reach. Our tuition is a fraction of public and private four-year universities, made even more affordable with scholarships, grants, loans, and work opportunities.**



**TUITION COSTS  
AT WISCONSIN  
COLLEGES**



WESTERN \$4,378  
UW 2-YEAR COLLEGES \$4,750  
UW 4-YEAR \$7,355  
UW-MADISON \$9,644  
AVG. WIS. PRIVATE \$35,569

**\$578,752**

in Scholarships Awarded

**1,019**

Number of Scholarships



Get connected with financial aid resources: [westerntc.edu/financial-aid](http://westerntc.edu/financial-aid)

## Credit for Prior Learning

Earn credit for what you already know! Your previous life experiences may qualify for academic credit: work experience, high school dual credit, or military training and service.



[westerntc.edu/credit-prior-learning](http://westerntc.edu/credit-prior-learning)

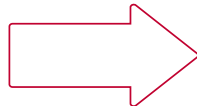
# CAREER PATHWAYS



## Build a Career, One Step at a Time!

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.



[westerntc.edu/career-pathways](http://westerntc.edu/career-pathways)

# OUR PROGRAMS

Accounting .....	20	Horticultural Plant Health Care .....	18
Accounting Assistant .....	20	Human Resource Management .....	24
Agribusiness Science & Technology .....	17	Human Services Associate .....	38
Air Conditioning, Heating & Refrigeration .....	31	Individualized Technical Studies (ITS).....	66
Architectural Technology .....	32	Industrial Machine Controls .....	62
Associate of Arts .....	48	Interior Design.....	34
Associate of Science .....	49	IoT Integration Specialist .....	56
Automotive Maintenance & Light Repair Technician - Level 1.....	64	IT-Computer Support Specialist.....	57
Automotive Service Technician - Level 2.....	64	IT-Computer Support Technician .....	57
Automotive Technician.....	64	IT-Cybersecurity & Network Administration .....	58
Building Construction & Cabinetmaking .....	33	IT-Data & Analytics Specialist.....	59
Building Science & Energy Management .....	34	IT-Network Technician .....	58
Business Management.....	21	IT-Web Programmer.....	60
Business Specialist.....	21	IT-Web & Software Developer .....	60
Cabinetmaking.....	33	Journeyworker.....	67
Computer Aided Design (CAD) Technician .....	61	Landscape Horticulture Technician .....	18
Criminal Justice.....	51	Leadership Development .....	25
Criminal Justice-Law Enforcement 720 Academy .....	51	Leadership & Supervision Professional.....	25
Customer Service Representative.....	28	Legal Studies/Paralegal.....	26
Dental Assistant .....	40	Legal Studies/Paralegal Post Baccalaureate .....	26
Diesel & Heavy Equipment Technician .....	65	Mechanical Design Technology .....	61
Diesel & Heavy Equipment Technician Assistant .....	65	Mechatronic & Robotic Engineering Technology .....	62
Digital Marketing .....	22	Medical Administrative Professional .....	28
Digital Marketing Specialist.....	22	Medical Assistant .....	42
Digital Media Production.....	23	Medical Coding Specialist.....	41
Early Childhood Education.....	36	Medical Lab Technician.....	42
Early Childhood Professional.....	36	Nursing.....	43
Educational Assistant .....	37	Nursing Assistant.....	43
Electromechanical Maintenance Technician.....	55	Occupational Therapy Assistant .....	44
Electromechanical Technology .....	55	Paramedic Technician .....	53
Electronic & Computer Engineering Technology - CET .....	56	Physical Therapist Assistant .....	44
Emergency Medical Technician - Advanced .....	52	Radiography.....	45
Emergency Medical Technician - Basic .....	52	Refrigeration, Air Conditioning & Heating Service Technician .....	31
Emergency Medical Technician - Paramedic .....	53	Respiratory Therapy.....	45
Expanded Function Dental Auxiliary .....	40	Sales Fundamentals .....	28
Fire Protection Technician .....	52	Sales Management .....	29
Foundations of Leadership .....	24	Sales Representative .....	29
Foundations of Teacher Education .....	37	Solar Installation Technician.....	34
Funeral Service .....	38	Special Education Teacher Assistant .....	37
Graphic Design .....	23	Surgical Technology.....	46
Health Information Technology .....	41	Welding & Fabrication.....	15
Health Office Assistant.....	27	Welding Technician .....	15
Health Office Professional .....	27		

Our programs are organized into ten **AREAS OF INTEREST**, making it easier for students to explore career pathways that align with their goals. These categories include: Advanced Manufacturing, Agriculture & Natural Resources, Business & Professional Services, Design & Construction Technology, Education & Human Services, Health Sciences, Liberal Arts, Public Safety, STEM (Science, Technology, Engineering & Mathematics), and Transportation.

# AREA OF INTEREST



## ADVANCED MANUFACTURING

### Career Opportunities

Welder | Production Welder | Fabrication Welder | Mig/Tig Welder | Metal Fabricator | Pipe Welder |  
Robotic Welder

## WELDING TECHNICIAN PATHWAY



### Welding Technician #304571

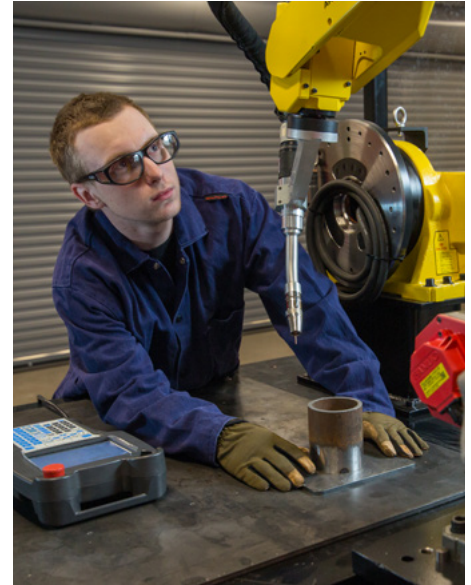
Technical Diploma | [www.westerntc.edu/welding-technician](http://www.westerntc.edu/welding-technician)

Are you ready to spark up a career in welding? In our one-term Welding Technician program, you'll master the core techniques and applications that make welding such an exciting field. Get hands-on experience with SMAW, Wirefeed, Tig, and Oxy-fuel welding. Plus, you'll become a pro at reading blueprints and fabrication-skills that are in high demand in today's industries.

This technical diploma is just the beginning! It's fully embedded within our comprehensive 2-term Welding and Fabrication technical diploma program. So, if you find that you love the heat, sparks, and satisfaction of welding, you can easily take your skills to the next level.

First Term		Credits
442-102	Intro to Welding	2
442-303	Welding-SMAW 1	2
442-304	Welding Inspection	1
442-306	Wirefeed Welding 1	2
442-315	Welding-TIG 1	2
442-316	Wirefeed Welding 2	2
457-305	Blueprint Reading for Welding	1
457-310	Fabrication Welding 1	2
890-300	Strengths Seminar	1

**Program Credits** **15**  
**Typical Start: Fall**



### Welding & Fabrication #314421

Technical Diploma | [www.westerntc.edu/welding-fabrication](http://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. If you possess good math skills, attention to detail, and a commitment to quality work, welding could be the career for you.

In Western's program, you will receive comprehensive training that covers both theory and practical aspects in all types of welding, including shielded metal arc, oxy-fuel, gas metal arc, and gas tungsten arc welding. You'll learn about the proper use of tools and equipment, safety, and blueprint reading as you practice welding joints in different positions and on various types of metals.

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

First Term		Credits	Second Term		Credits
442-102	Intro to Welding	2	442-110	Robotic Welding Operation	2
442-303	Welding-SMAW 1	2	442-116	Welding- TIG 3	2
442-304	Welding Inspection	1	442-313	Welding-SMAW 2	2
442-306	Wirefeed Welding 1	2	442-325	Welding-TIG 2	2
442-315	Welding-TIG 1	2	442-326	Wirefeed Welding 3	2
442-316	Wirefeed Welding 2	2	442-330	Basic Study of Metals	1
457-305	Blueprint Reading for Welding	1	457-320	Fabrication Welding 2	2
457-310	Fabrication Welding 1	2	457-330	Fabrication Welding 3	2
890-300	Strengths Seminar	1	890-315	Applied Career Skills	1

**Program Credits** **31**  
**Typical Start: Fall**



## AGRICULTURE & NATURAL RESOURCES

### Career Opportunities

Agriculture Technician | Dairy Production Technician | Farm Assistant/Manager/Owner | Agricultural Field Representative | Crop Producer | Lawn Care Technician | Landscape Maintenance | Plant Health Care Technician | Lawn Care Technician | Greenhouse Technician | Irrigation Installation Technician | Tree & Shrub Care Technician

### **Inside** the classroom

**David Lein** | Landscape Horticulture



David Lein has over 20 years working at the intersection of land, people, and purpose. In the Air Force's Civil Engineering Squadron, he helped restore damaged spaces—and later trained others to do the same. That hands-on teaching experience now roots his work at Western.

On the civilian side, David's career has spanned tribal, state, and urban forestry—from managing timber in northern Minnesota to inspecting prized trees in the quirkiest backyard corners. "I never planned to be a teacher," he says, "but I love sharing what I've learned and watching curiosity take root."

His goal is to help students explore the green industry not just as a career, but as a way of life. "It's more than planting things," he says. "It's problem-solving, creativity, and a whole lot of joy."

# AGRICULTURE & NATURAL RESOURCES

## Agribusiness Science & Technology #100062

Associate Degree | [www.westernnc.edu/agribusiness-science-technology](http://www.westernnc.edu/agribusiness-science-technology)

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

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

First Term		Credits
006-100	Career Development in Agriculture	2
006-113	Animal Science	3
006-127	Introduction to Plant Science	2
006-169	Soil Fertility & Nutrient Management	2
006-173	Introduction to Soils	2
801-197	Technical Reporting	3
890-106	Strengths Seminar	1

Second Term		Credits
006-120	Pest Management Principles	3
006-172	Agricultural Commodity Marketing	3
006-180	Emerging Ag Technologies	3
801-196	Oral/Interpersonal Comm	3
806-112	Principles of Sustainability	3

Third Term		Credits
006-151	Agribusiness Work Based Experience	1

Fourth Term		Credits
006-139	Crop Management	3
006-170	Precision Ag Technologies	2
006-171	Livestock Nutrition Principles	3
104-119	Selling Principles	3
809-198	Intro to Psychology	3

Fifth Term		Credits
006-167	Agricultural Business Management	3
006-179	Livestock Management	3
104-114	Marketing Principles	3
106-106	Quality Customer Service	3
809-195	Economics	3

**Program Credits** 60  
**Typical Start: Fall**



## LANDSCAPE HORTICULTURE TECHNICIAN PATHWAY



### **C Horticultural Plant Health Care #610011**

Certificate | [www.westerntc.edu/horticultural-plant-health-care](http://www.westerntc.edu/horticultural-plant-health-care)

Are you passionate about plants and eager to enter the “green industry”? Get ready to kickstart your career with a certificate in Horticultural Plant Health. This program provides a comprehensive overview of plants and plant health-related topics, offering valuable insights into plant identification, ornamental care, and soil characteristics.

As part of this program, you will undergo testing to obtain the State of Wisconsin Pesticide Applicators License, enhancing your qualifications in the field.

Upon successfully completing this certificate program, you will be well-prepared to either begin your career in the workforce or seamlessly transition into Western’s Landscape Horticulture Technician technical diploma program for additional career opportunities and earning potential.

First Term	Credits
001-101 Fundamentals of Plant Identification	2
001-114 Holistic Plant Health Care	2

Second Term	Credits
001-140 Advanced Horticulture Practicees	2

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

### **T Landscape Horticulture Technician #310015**

Technical Diploma | [www.westerntc.edu/landscape-horticulture-technician](http://www.westerntc.edu/landscape-horticulture-technician)

Western’s Landscape Horticulture program is designed for people who are passionate about plants, landscaping, and the intricate world of horticulture. Our program blends theoretical knowledge and practical experience, ensuring you not only grasp the essential concepts but also master the hands-on skills crucial in the field. Deep dive into plant identification and taxonomy, explore plant biology and greenhouse operations, and become a landscape transformation and design expert. Our courses cover a variety of topics integral to horticulture. You will engage in interactive workshops, scenario-based learning, and real-world projects, providing a holistic and immersive learning experience.

Your time in our program will challenge and enrich your understanding of plants and their environments. You’ll learn to navigate the complexities of plant care, pest management, and sustainable landscaping practices, equipping you to create flourishing landscapes in harmony with nature. We also explore advanced horticulture techniques, landscape site assessments, and the intricacies of retail greenhouse management, preparing you for a successful career in the horticultural industry. Our courses on soil science and sustainable landscape design add depth to your knowledge, ensuring a well-rounded education. By the end of the program, you will have transformed your passion for plants into practical skills and knowledge, ready to make a significant impact in the world of landscape horticulture.

First Term	Credits
001-101 Fundamentals of Plant Identification	2
001-114 Holistic Plant Health Care	2
001-116 Landscape Installation and Maint	3
001-124 Greenhouse Fundamentals	3
006-127 Introduction to Plant Science	2
006-173 Introduction to Soils	2
890-106 Strengths Seminar	1

Second Term	Credits
001-126 Greenhouse Mgmt & Entr	3
001-134 Landscape Design Principles	1
001-140 Advanced Horticulture Practice	2
001-142 Sustainable Landscape Design	2
001-145 Landscape Site Assessment	3
001-147 Horticulture Career Readiness	2
001-150 Greenhouse Crop Production	2

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



# AREA OF INTEREST



## BUSINESS & PROFESSIONAL SERVICES

### Career Opportunities

Accountant | Accounts Payable/Receivable Clerk | Website Designer | Graphic Designer | Business Development Specialist | Human Resource Assistant | Digital Marketing Specialist | Marketing Coordinator | Medical Service Coordinator | Medical Transcriptionist | Business or Sales Associate | Patient Account Representative

## ACCOUNTING PATHWAY



### **T** Accounting Assistant #311011

Technical Diploma | [www.westerntc.edu/accounting-assistant](http://www.westerntc.edu/accounting-assistant)

If you find satisfaction in maintaining records and managing finances, a career in accounting may be the right fit for you. As an accounting assistant, you could handle bookkeeping functions in a small business or focus on specific tasks within a large accounting department. Our program combines hands-on computer training with classroom instruction, providing a strong foundation in accounting concepts and procedures.

Every course in this technical diploma is transferable to Western's Accounting associate degree, offering a seamless pathway for further education. Choose your preferred learning style as classes are available in traditional face-to-face settings, online formats, hybrid in-person, or a combination of these formats.

First Term		Credits
101-101	Principles of Accounting 1	3
101-121	Principles of Accounting 2	3
102-169	Business Concepts	2
103-111	Computer Applications for Business	3
890-106	Strengths Seminar	1

Second Term		Credits
101-130	Payroll Accounting	3
101-131	Principles of Accounting 3	4
101-138	Accounting Spreadsheets	3
801-197	Technical Reporting	3

Third Term		Credits
804-123	Math w Business Apps	3

**Program Credits** 28  
**Typical Start:** Fall



### **A** Accounting #101011

Associate Degree | [www.westerntc.edu/accounting](http://www.westerntc.edu/accounting)

Accountants are in demand in every business and industry. If you possess strong attention to detail, organizational skills, and effective problem-solving abilities, this program could be an excellent fit for you.

Businesses depend on their accounting departments to present a precise and clear financial overview. Accountants play a pivotal role in decision-making processes, providing crucial information. Team collaboration is essential, as accounting intersects with all facets of operations. Accountants handle tasks such as payroll, accounts payable and receivable, budgeting, and generating financial reports.

Our associate degree program accommodates both those seeking entry-level accounting positions and individuals with existing accounting responsibilities looking to enhance their skills. Instruction is flexible, offered in traditional face-to-face settings, online formats, hybrid in-person, or a combination of these methods. You will gain proficiency in accounting software, spreadsheet applications, and relevant technologies.

First Term		Credits
101-101	Principles of Accounting 1	3
101-121	Principles of Accounting 2	3
102-169	Business Concepts	2
103-111	Computer Applications for Business	3
890-106	Strengths Seminar	1

Second Term		Credits
101-130	Payroll Accounting	3
101-131	Principles of Accounting 3	4
101-138	Accounting Spreadsheets	3
801-197	Technical Reporting	3

Third Term		Credits
801-196	Oral/Interpersonal Comm	3
804-123	Math w Business Apps	3
809-195	Economics	3

Fourth Term		Credits
101-141	Principles of Accounting 4	4
101-156	Information Systems-Accounting	3
101-165	Income Tax Accounting	4
809-198	Intro to Psychology	3

Fifth Term		Credits
101-125	Computerized Accting Syst	3
101-149	Cost Accounting	4
101-162	Capstone Accounting Project	3
101-170	Accounting Career Foundations	3

**Program Credits** 61  
**Typical Start:** Fall

# BUSINESS MANAGEMENT PATHWAY



## Business Specialist #311024

Technical Diploma | [www.westernnc.edu/business-specialist](http://www.westernnc.edu/business-specialist)

Gain a strong foundational understanding of business management as well as enhanced skills in leadership, business communications, 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, leadership strategies, process control, computer applications, and basic business law.

You'll come 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 in-person and online learning to meet your preferred learning needs.

First Term		Credits
102-141	Organizational Behavior	3
102-169	Business Concepts	2
103-111	Computer Applications for Business	3
804-123	Math w Business Apps	3
890-106	Strengths Seminar	1

Second Term		Credits
102-134	Principles of Management	3
102-153	Managing People	3
116-117	Intro to HR Management	3
801-197	Technical Reporting	3

Third Term		Credits
101-108	Introduction to Accounting	3
102-130	Business Law	3

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



## Business Management #101023

Associate Degree | [www.westernnc.edu/business-management](http://www.westernnc.edu/business-management)

The Business Management program at Western is designed to provide you with the knowledge and skills necessary to manage people and processes to achieve organizational goals. It covers foundational business disciplines such as finance, human resource management, marketing, and operations management.

Courses emphasize the development of teamwork, leadership, and management skills. This approach empowers you to lead teams, control business processes, and make informed decisions based on data. The learning environment provides you with opportunities to showcase leadership, problem-solving, critical thinking, professionalism, and networking skills.

Whether you're seeking to enter the workforce or enhance your marketable skills, the Business Management program can be your key to success. Your skills will be in demand across various industries, including healthcare, manufacturing, construction, insurance, and retail.

Classes are offered in both a hybrid in-person and online format to meet your preferred learning style.

First Term		Credits
102-141	Organizational Behavior	3
102-169	Business Concepts	2
103-111	Computer Applications for Business	3
804-123	Math w Business Apps	3
890-106	Strengths Seminar	1

Second Term		Credits
102-134	Principles of Management	3
102-153	Managing People	3
116-117	Intro to HR Management	3
801-197	Technical Reporting	3

Third Term		Credits
101-108	Introduction to Accounting	3
102-126	Business Financials	3
102-130	Business Law	3
801-196	Oral/Interpersonal Comm	3

Fourth Term		Credits
102-131	Operations Management	3
102-151	Leadership for Business	3
104-114	Marketing Principles	3
104-119	Selling Principles	3

Fifth Term		Credits
102-133	Business Management Capstone	3
102-143	Professional Profile Development	3
809-195	Economics	3
809-198	Intro to Psychology	3

**Program Credits** 60  
**Typical Start:** Fall, Spring

## DIGITAL MARKETING PATHWAY



### Digital Marketing Specialist #311045

Technical Diploma | [www.westerntc.edu/digital-marketing-specialist](http://www.westerntc.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 and maintaining an online presence. As part of your coursework, you will complete the marketing research process for a business. You will explore how to create content for websites and manage digital advertising.

First Term		Credits
102-169	Business Concepts	2
103-111	Computer Applications for Business	3
104-114	Marketing Principles	3
104-175	Digital Design Components	2
801-197	Technical Reporting	3
890-106	Strengths Seminar	1

Second Term		Credits
104-155	Marketing Research	3
104-169	Internet Marketing	2
104-176	Digital Advertising	3
104-177	Content Marketing	3
804-123	Math w Business Apps	3

**Program Credits** **28**  
**Typical Start: Fall**



### Digital Marketing #101048

Associate Degree | [www.westerntc.edu/digital-marketing](http://www.westerntc.edu/digital-marketing)

Western's Digital Marketing program explores marketing, with a focus on effectively managing a range of popular digital tools. Our courses are continuously updated to keep pace with the ever-evolving digital landscape. You'll explore topics such as website content management, marketing analytics, SEO, social media, digital advertising, copywriting, e-commerce, as well as the fundamental principles of marketing and marketing strategies.

This associate degree provides you with the foundational knowledge, concepts, tools, and skill set required to effectively market a business in today's dynamic digital environment.

First Term		Credits
102-169	Business Concepts	2
103-111	Computer Applications for Business	3
104-114	Marketing Principles	3
104-175	Digital Design Components	2
801-197	Technical Reporting	3
890-106	Strengths Seminar	1

Second Term		Credits
104-155	Marketing Research	3
104-169	Internet Marketing	2
104-176	Digital Advertising	3
104-177	Content Marketing	3
804-123	Math w Business Apps	3

Fourth Term		Credits
104-106	E-Commerce	3
104-109	Social Media Strategies	3
104-134	Email Marketing	3
104-174	SEO and Marketing Analytics	3
801-198	Speech	3

Fifth Term		Credits
104-117	Integrated Marketing Campaign	3
104-140	Inbound Marketing	3
104-183	Personal Brand	2
196-188	Project Management	3
809-195	Economics	3
809-198	Intro to Psychology	3

**Program Credits** **60**  
**Typical Start: Fall**

## Digital Media Production #107012

Associate Degree | [www.westerntc.edu/digital-media-production](http://www.westerntc.edu/digital-media-production)

The Digital Media Production program equips you with the skills and knowledge needed to thrive in today's ever-evolving media landscape. In this program, you will learn to leverage the art of design and storytelling to create compelling media products and services. Gain hands-on expertise in video production, photography, motion graphics, graphic design, and more. You'll bring your creative visions to life by developing innovative solutions, taking your projects from concept to completion.

Through a diverse range of media software, tools, and technology, you will develop the skills necessary to meet the demands of the continually evolving digital media market.

First Term		Credits	Fourth Term		Credits
201-112	Design Fundamentals	3	206-111	Intro to Motion Graphics	3
201-185	Adobe Photoshop	3	206-112	Compositing and Video Effects	3
203-125	Digital Photography 1	3	701-127	Video Production 4	3
701-123	Video Production 1	3	809-172	Introduction to Diversity Studies	3
801-197	Technical Reporting	3	809-198	Intro to Psychology	3
890-106	Strengths Seminar	1			
Second Term		Credits	Fifth Term		Credits
201-109	Adobe Illustrator	3	206-119	Digital Media Application	3
203-135	Digital Photography 2	3	206-145	Digital Media Portfolio	3
701-124	Video Production 2	3	701-110	Advanced Video Production	3
701-126	Video Production 3	3	701-170	Emerging Tech in Digital Media	3
801-196	Oral/Interpersonal Comm	3	804-123	Math w Business Apps	3
<b>Program Credits</b>					<b>61</b>
<b>Typical Start: Fall</b>					

## Graphic Design #102011

Associate Degree | [www.westerntc.edu/graphic-design](http://www.westerntc.edu/graphic-design)

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

At Western, our Graphic Design program is well-known for its comprehensive approach to design education. We equip students like you with the fundamentals and skills in art, technology, advertising, and marketing. You'll conceptualize, create, and produce designs for both print and electronic media. In your first year, you'll be introduced to graphic design industry software, typography, and design principles. As a second-year student, you'll apply and enhance these skills in a unique, hands-on instructional environment that integrates marketing and advertising concepts with design. The final semester focuses on portfolio development and preparing you for a career in the field.

With this degree, you'll have a range of career opportunities, including roles as graphic designers and graphic artists in advertising agencies, printing companies, corporate marketing departments, publishers, public relations firms, and web and app design. Some graphic designers also work as freelancers, and your earning potential can increase with extended and diverse work experience.

First Term		Credits	Fourth Term		Credits
201-104	Publication Design 1	3	201-111	Website Design 1	3
201-109	Adobe Illustrator	3	201-121	Website Design 2	3
201-112	Design Fundamentals	3	201-136	Graphic Design & Marketing	3
201-118	Drawing	3	201-145	Graphic Design Advertising	3
801-197	Technical Reporting	3	801-196	Oral/Interpersonal Comm	3
890-106	Strengths Seminar	1			
Second Term		Credits	Fifth Term		Credits
201-114	Publication Design 2	3	201-149	Graphic Design Portfolio	3
201-122	Designing with Type	3	201-156	Comprehensive Graphic Design	3
201-128	Illustration Concepts	3	804-123	Math w Business Apps	3
201-185	Adobe Photoshop	3	809-172	Introduction to Diversity Studies	3
206-111	Intro to Motion Graphics	3	809-198	Intro to Psychology	3
<b>Program Credits</b>					<b>61</b>
<b>Typical Start: Fall</b>					



# Human Resource Management #101162

Associate Degree | [www.westerntc.edu/human-resource-management](http://www.westerntc.edu/human-resource-management)

Human resources is a profession for people who enjoy helping others. It offers a fulfilling career where you'll engage with diverse groups of people across various settings, including businesses, non-profits, and governmental organizations. Skilled HR professionals are essential for all types of organizations, as they handle crucial employee affairs, making a significant impact on both the organization's success and the well-being of its workforce.

Western's associate degree program covers seven key areas of HR, including safety, employment law, training, employee relations, compensation and benefits, staffing, and HR data and analytics.

With this degree, you will be well-prepared for a career as an HR professional. Your role may involve recruiting and selecting employees, implementing compensation systems, developing employment policies, designing training programs, promoting workplace safety, ensuring compliance with employment laws, managing employee relations, and measuring employee engagement.

First Term		Credits
102-169	Business Concepts	2
116-102	Talent Acquisition	3
116-105	HR Essentials	3
116-117	Intro to HR Management	3
890-106	Strengths Seminar	1

Second Term		Credits
103-111	Computer Applications for Business	3
116-159	Training & Development	3
116-172	Compensation Management	3
116-180	Workplace Safety	3

Third Term		Credits
801-196	Oral/Interpersonal Comm	3
801-197	Technical Reporting	3
804-123	Math w Business Apps	3
809-172	Introduction to Diversity Studies	3

Fourth Term		Credits
116-120	Organizational Culture	3
116-136	Employee Relations	3
116-158	Employment Law	3
116-163	Employee Benefits	3

Fifth Term		Credits
116-115	HR Capstone	3
116-116	HR Stewardship	3
116-188	HR Info Management	3
809-198	Intro to Psychology	3

**Program Credits** **60**  
**Typical Start: Fall**

## LEADERSHIP DEVELOPMENT PATHWAY



### **T** Foundations of Leadership #301966

Technical Diploma | [www.westerntc.edu/foundations-leadership](http://www.westerntc.edu/foundations-leadership)

This seven-course 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 you to draw from your and others experiences. You can choose to complete this program in one year by taking courses online. Or choose to continue on to the 14-course Leadership and Supervision Professional technical diploma or Leadership Development associate degree.

First Term		Credits
196-129	Professional and Leadership Develop	2
196-164	Personal Leadership Strategies	3
196-169	Diversity & Change Mgmt	3
196-191	Supervision	3
890-106	Strengths Seminar	1

Second Term		Credits
196-189	Team Building	3
196-190	Leadership Development	3

**Program Credits** **18**  
**Typical Start: Spring**



## Legal Studies/Paralegal #101101

Associate Degree | [www.westernnc.edu/legal-studies-paralegal](http://www.westernnc.edu/legal-studies-paralegal)

A promising and challenging career awaits you in a career field that continues to expand. Becoming a paralegal will immerse you in all facets of the law while working under the direction of a licensed attorney. To excel in this role, a paralegal must possess strong communication skills, enjoy collaborating with diverse individuals, demonstrate attention to detail, excel in problem-solving, and uphold ethical standards.

Western's program is proudly approved by the American Bar Association (ABA). According to the ABA, a Legal Assistant/Paralegal is defined as "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."

Our program covers all aspects of legal domains, including criminal, family, real estate, civil, business, and estate/probate law. Graduates find careers in various sectors, including private practice, corporate legal departments, and government entities. This program offers articulation agreements that facilitate transfer toward a bachelor's degree and, for some students, serve as a route to law school.

This program is offered in a blended format that combines face-to-face and online instruction.

First Term		Credits
103-111	Computer Applications for Business	3
110-101	Intro to Paralegal & Ethics	3
110-102	Civil Litigation 1	3
110-104	Legal Research	3
801-136	English Composition 1	3
890-106	Strengths Seminar	1

Second Term		Credits
101-108	Introduction to Accounting	3
110-103	Civil Litigation 2	3
110-107	Legal Aspects of Business Orgs	3
804-123	Math w Business Apps	3

Fourth Term		Credits
110-106	Family Law	3
110-110	Real Estate Law	3
110-135	Legal Technology	3
110-168	Criminal Procedures	3
801-196	Oral/Interpersonal Comm	3
809-166	Intro to Ethics: Theory & App	3

Fifth Term		Credits
110-105	Legal Writing	3
110-114	Administration of Estates	3
110-143	Paralegal Internship/Field St	3
809-196	Intro to Sociology	3
809-198	Intro to Psychology	3

**Program Credits** 61  
**Typical Start: Fall**



*The Paralegal program is an ABA (American Bar Association) approved program.*

## Legal Studies/Paralegal Post Baccalaureate #311101

Technical Diploma | [www.westernnc.edu/legal-studies-paralegal-post-baccalaureate](http://www.westernnc.edu/legal-studies-paralegal-post-baccalaureate)

A paralegal or legal assistant is a person qualified by education, training, or work experience who is employed by a lawyer, law office, corporation, governmental agency, or other entity to perform specifically designated substantive legal work for which a lawyer is responsible.

Paralegals are not authorized to practice law. The Post-baccalaureate diploma in paralegal is designed for those who already have earned a bachelor's degree.

This program is offered in a blended format that combines face-to-face and online instruction.

First Term		Credits
110-101	Intro to Paralegal & Ethics	3
110-102	Civil Litigation 1	3
110-104	Legal Research	3
110-106	Family Law	3
110-110	Real Estate Law	3

Second Term		Credits
110-103	Civil Litigation 2	3
110-105	Legal Writing	3
110-114	Administration of Estates	3
110-143	Paralegal Internship/Field St	3

**Program Credits** 27  
**Typical Start: Fall**

*The Paralegal program is an ABA (American Bar Association) approved program.*

# MEDICAL ADMINISTRATIVE PROFESSIONAL PATHWAY



## **C** Health Office Assistant #611601

Certificate | [www.westerntc.edu/health-office-assistant](http://www.westerntc.edu/health-office-assistant)

Healthcare Office Assistants are at the front lines of a medical office and play an integral role in the patient's experience. This certificate prepares you to perform specialized administrative tasks in a healthcare setting such as registering patients, scheduling patient appointments and procedures, communicating professionally, maintaining electronic health care records, operating computer software and office equipment, and maintaining supplies for the office. Choose to work in a variety of healthcare facilities including clinics, hospitals, dental offices, chiropractors, and many more.

Courses are offered in a convenient online format.

To further your career opportunities, continue your education by moving seamlessly into the Health Office Professional technical diploma or the Medical Administrative Professional associate degree.

<b>First Term</b>		<b>Credits</b>
103-111	Computer Applications for Business	3
106-184	Business Formatting for Healthcare	2
160-121	Healthcare Business Terminology	2
501-107	Digital Literacy for Healthcare	2
801-136	English Composition 1	3
890-106	Strengths Seminar	1

<b>Second Term</b>		<b>Credits</b>
501-110	Medical Admin Procedures	2

**Program Credits** **15**  
**Typical Start: Fall**

## **T** Health Office Professional #311601

Technical Diploma | [www.westerntc.edu/health-office-professional](http://www.westerntc.edu/health-office-professional)

Position yourself for a rewarding career in a medical office with the Health Office Professional program. This program prepares you with the skills necessary to excel in this dynamic field. Given the diverse range of responsibilities involved, your coursework will encompass topics such as professionalism, customer service, basic anatomy, and word processing. You will play an important role in patient communications, the collection and secure storage of patient information, and various related tasks.

advances to a technical diploma (Health Office Professional), and ultimately leads to an associate degree (Medical Administrative Professional). The majority of core program courses are conveniently offered online, providing you with flexibility and accessibility as you pursue your education and career goals.

<b>Second Term</b>		<b>Credits</b>
501-110	Medical Admin Procedures	2
106-123	Business Corresp for Healthcare	3
106-189	Medical Office Finance	2
106-190	Medical Office Insurance	2
806-120	Body Structure and Function	3

<b>Third Term</b>		<b>Credits</b>
106-106	Quality Customer Service	3
160-160	Medical Office Practicum	3

**Program Credits** **31**  
**Typical Start: Fall**

With this degree, you'll open doors to numerous career opportunities in insurance companies, clinics, hospitals, and various other healthcare facilities.

<b>First Term</b>		<b>Credits</b>
103-111	Computer Apps for Business	3
106-184	Business Formatting for Healthcare	2
160-121	Healthcare Business Terminology	2
501-107	Digital Literacy for Healthcare	2
801-136	English Comp 1	3
890-106	Strengths Seminar	1

The program is part of a progressive ladder that starts with a certificate (Health Office Assistant),

## MEDICAL ADMINISTRATIVE PROFESSIONAL PATHWAY CONTINUED



### Medical Administrative Professional #101602

Associate Degree | [www.westerntc.edu/medical-administrative-professional](http://www.westerntc.edu/medical-administrative-professional)

Medical office personnel play a critical role in the efficient operation of medical offices. Western's program prepares you to supervise primary business-related tasks, including appointment scheduling, patient registration, medical billing, insurance claims processing, business correspondence, and medical record maintenance.

With this degree, you'll be equipped for a variety of career opportunities in settings such as hospitals, medical and dental clinics, vision and chiropractic offices, insurance companies, rehabilitation facilities, and skilled nursing facilities.

Our program follows a progressive ladder, starting with a certificate (Health Office Assistant), progressing to a technical diploma (Health Office Professional), and culminating in an associate degree (Medical Administrative Professional).

The majority of core program courses are available in a convenient online format, offering flexibility to fit your schedule and learning preferences.

First Term		Credits
103-111	Computer Applications for Business	3
106-184	Business Formatting for Healthcare	2
160-121	Healthcare Business Terminology	2
501-107	Digital Literacy for Healthcare	2
801-136	English Composition 1	3
890-106	Strengths Seminar	1

Second Term		Credits
106-123	Business Corresp for Healthcare	3
106-189	Medical Office Finance	2
106-190	Medical Office Insurance	2
501-110	Medical Admin Procedures	2
806-120	Body Structure and Function	3

Third Term		Credits
106-106	Quality Customer Service	3
160-160	Medical Office Practicum	3
804-123	Math w Business Apps	3

Fourth Term		Credits
160-115	Spreadsheets for Healthcare	3
160-120	Med Law, Ethics & Prof	2
160-132	Healthcare Admin and Organization	2
196-191	Supervision	3
809-198	Intro to Psychology	3

Fifth Term		Credits
160-150	Med Admin Professional Capstone	1
196-189	Team Building	3
196-190	Leadership Development	3
801-198	Speech	3
809-172	Introduction to Diversity Studies	3

**Program Credits** 60  
**Typical Start: Fall**

## SALES MANAGEMENT PATHWAY



### Customer Service Representative #611041

Certificate | [www.westerntc.edu/customer-service-representative](http://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.

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.

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

First Term		Credits
102-169	Business Concepts	2
106-106	Quality Customer Service	3

**Program Credits** 5  
**Typical Start: Fall**



### Sales Fundamentals #611043

Certificate | [www.westerntc.edu/sales-fundamentals](http://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 if you choose. Either way, you'll be developing the skills that employers value.

First Term		Credits
102-169	Business Concepts	2
103-111	Computer Applications for Business	3
104-119	Selling Principles	3
106-106	Quality Customer Service	3

**Program Credits** 11  
**Typical Start: Fall**

## SALES MANAGEMENT PATHWAY CONTINUED



### Sales Representative #311048

Technical Diploma | [www.westerntc.edu/sales-representative](http://www.westerntc.edu/sales-representative)

Strong sales skills can set you up for remarkable career success, and Western's Sales Representative program provides the foundation you need. You'll acquire a range of interpersonal, technical, and professional skills that will prepare you for a fulfilling career in inside, outside, or retail sales, as well as customer service roles. The courses cover vital subjects like business principles, marketing, finance, communication, and sales strategies, emphasizing ethical practices.

This technical diploma represents the third step in the Customer Service and Sales Career Pathway. Successful completion of this program provides you with valuable business credentials, opening doors to employment opportunities, promotions, and increased earning potential. Or, you can choose to pursue an associate degree in Sales Management.

We offer the flexibility of online and blended format classes, making it easier for you to access and complete your education in a manner that suits your schedule and learning preferences.

<b>First Term</b>		<b>Credits</b>
102-169	Business Concepts	2
103-111	Computer Applications for Business	3
104-119	Selling Principles	3
106-106	Quality Customer Service	3
890-106	Strengths Seminar	1

<b>Second Term</b>		<b>Credits</b>
104-114	Marketing Principles	3
104-163	Advanced Professional Selling	3
104-177	Content Marketing	3
801-136	English Composition 1	3

<b>Third Term</b>		<b>Credits</b>
102-126	Business Financials	3
801-198	Speech	3

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



### Sales Management #101042

Associate Degree | [www.westerntc.edu/sales-management](http://www.westerntc.edu/sales-management)

Are you envisioning a future in a leadership role? If you possess a competitive spirit, a drive to motivate others, and are drawn to a career with substantial income potential, the field of sales management might be the ideal path for you.

Western's Sales Management program guides you from the fundamentals of exceptional customer service to advanced selling techniques and sales force management. It's designed to equip you for a leadership position by providing you with a comprehensive foundation in business practices and principles, finance, marketing, supervision, and project management. Whether you're just beginning your journey in sales or already part of the sales force with aspirations of advancing into a management role, this program will empower you with valuable skills that can open doors to greater career opportunities.

Courses are offered in traditional face-to-face, online, and a hybrid of the two formats.

<b>First Term</b>		<b>Credits</b>
102-169	Business Concepts	2
103-111	Computer Applications for Business	3
104-119	Selling Principles	3
106-106	Quality Customer Service	3
890-106	Strengths Seminar	1

<b>Second Term</b>		<b>Credits</b>
104-114	Marketing Principles	3
104-163	Advanced Professional Selling	3
104-177	Content Marketing	3
801-136	English Composition 1	3

<b>Third Term</b>		<b>Credits</b>
102-126	Business Financials	3
804-123	Math w Business Apps	3
809-195	Economics	3
809-198	Intro to Psychology	3

<b>Fourth Term</b>		<b>Credits</b>
102-134	Principles of Management	3
104-134	Email Marketing	3
116-117	Intro to HR Management	3
801-198	Speech	3

<b>Fifth Term</b>		<b>Credits</b>
196-188	Project Management	3
104-164	Principles of Inside Sales	3
104-165	Sales Team Management	3
809-166	Intro to Ethics: Theory & App	3

**Program Credits** 60  
**Typical Start: Fall**

# AREA OF INTEREST



## DESIGN & CONSTRUCTION TECHNOLOGY

### Career Opportunities

Facilities Specialist | HVAC | Maintenance/Service Technician | Architect Designer or Drafter | CAD Designer/Project Manager | Design Engineer | Carpenter | Construction | Interior Designer | Construction and Building Inspectors | Electrical Engineering Technicians | Energy Auditors

## AIR CONDITIONING, HEATING & REFRIGERATION PATHWAY



### Refrigeration, Air Conditioning & Heating Service Technician #314011

Technical Diploma | [www.westerntc.edu/refrigeration-air-conditioning-heating-service-technician](http://www.westerntc.edu/refrigeration-air-conditioning-heating-service-technician)

Western's HVAC Technician technical diploma program will prepare you for an in-demand career in the installation, maintenance, and repair of heating, cooling, and refrigeration equipment.

With an emphasis on energy conservation, a concern for air quality, and the environmental impact of cooling agents, you'll be well-prepared for entry-level positions working on residential and commercial heating, cooling, and refrigeration units. Opportunities can be found as a service technician for an air conditioning, refrigeration, and heating systems dealer; in building maintenance; or in manufacturing.

Additionally, the program offers a valuable job shadowing experience, providing practical insights and enhancing your readiness for a successful career in HVAC technology.

First Term		Credits
410-103	Construction Industry Basics	2
601-105	Introduction to Refrigeration	3
601-110	Heating Systems	3
601-111	Electric Circuits for HVACR	3
804-107	College Mathematics	3
890-106	Strengths Seminar	1
601-117	Work-Based Learning & Observation	1

Second Term		Credits
601-102	HVACR Air Hand, Psych & IAQ	1
601-108	HVACR Res Htg & Cool Loads	1
601-113	Electric Motors and Controls in HVACR	3
601-114	Refrigeration Systems	3
601-115	Air Conditioning	3
801-196	Oral/Interpersonal Comm	3

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



### Air Conditioning, Heating & Refrigeration #106011

Associate Degree | [www.westerntc.edu/air-conditioning-heating-refrigeration](http://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 your area if you have mechanical skills as well as an interest in technology. Technicians in this field are involved in a number of areas, such as design, sales, installation, maintenance, and servicing of commercial heating, air conditioning, and refrigeration equipment.

In today's environment, Western's program places special emphasis on air quality, energy conservation, and computerized temperature control. You'll gain expertise in selecting the most suitable heating and cooling systems for specific environments, optimizing system efficiency, and troubleshooting issues. Your training will include both classroom instruction and hands-on experience in Western's heating, air conditioning, refrigeration, electrical, and installation labs. Additionally, you'll have the valuable opportunity to shadow a technician at a local business, further enhancing your industry knowledge and skills.

First Term		Credits
410-103	Construction Industry Basics	2
601-105	Introduction to Refrigeration	3
601-110	Heating Systems	3
601-111	Electric Circuits for HVACR	3
804-107	College Mathematics	3
890-106	Strengths Seminar	1
601-117	Work-Based Learning & Observation	1

Second Term		Credits
601-102	HVACR Air Hand, Psych & IAQ	1
601-108	HVACR Res Htg & Cool Loads	1
601-113	Electric Motors and Controls in HVACR	3
601-114	Refrigeration Systems	3
601-115	Air Conditioning	3
801-196	Oral/Interpersonal Comm	3

Fourth Term		Credits
601-118	Hydronic and Steam Systems	3
601-119	Applied Electricity in HVACR	3
601-124	Heat Pumps	3
601-127	Digital Drawing and Drafting	2
601-129	Energy & Sustainability Principles	2
801-197	Technical Reporting	3

Fifth Term		Credits
601-130	Commercial HVACR Systems	3
601-131	Building Automation Systems	3
601-132	HVACR Systems Planning and Design	3
809-195	Economics	3
809-198	Intro to Psychology	3

**Program Credits** 61  
**Typical Start:** Fall

# Architectural Technology #106141

Associate Degree | [www.westerntc.edu/architectural-technology](http://www.westerntc.edu/architectural-technology)

Western's Architectural Technician program is a blend of art and science, of beauty and practicality. In this program, you'll acquire the skills needed to design residential and commercial buildings that are not only functional and integrated into their surroundings, but also economically viable.

Consider this program if you possess excellent computer skills and a deep interest in building and design. We place heavy emphasis on Building Information Modelling (BIM), while also covering practical aspects such as selecting building materials, estimating, understanding structural principles, and learning about building systems.

A key highlight of the program is the capstone project, which guides students from initial building proposals through the preparation of construction documents, providing a hands-on experience that reinforces your knowledge and skills.

This program spans four consecutive terms, including Fall, Spring, Summer, and Fall, ensuring a comprehensive and immersive education in architectural technology.

<b>First Term</b>		<b>Credits</b>	<b>Third Term</b>		<b>Credits</b>
410-103	Construction Industry Basics	2	614-147	Arch. Studio 5- BIM Commercial 1	3
614-103	Architectural Hist, Theory & Drawing	2	614-152	Site Design	2
614-107	Arch. Studio 1- 3D Modeling	3	614-154	Building Estimating	2
614-114	Building Materials	2	614-157	Arch. Studio 6- BIM Commercial 2	3
614-117	Arch. Studio 2- CAD Software	3	614-160	Building Systems	2
804-107	College Mathematics	3	801-197	Technical Reporting	3
890-106	Strengths Seminar	1			
<b>Second Term</b>		<b>Credits</b>	<b>Fourth Term</b>		<b>Credits</b>
481-102	Fundamentals of Building Efficiency	2	614-167	Arch. Studio 7- Capstone Preparation	2
614-127	Arch. Studio 3- BIM Residential 1	3	614-170	Arch. Presentation Techniques	1
614-130	Structural Concepts	2	614-171	Advanced BIM	2
614-137	Arch. Studio 4- BIM Residential 2	3	614-177	Arch. Studio 8- Capstone Design	3
614-141	Construction Detailing	2	614-180	Architectural Practice & Portfolio	1
801-196	Oral/Interpersonal Comm	3	809-195	Economics	3
			809-198	Intro to Psychology	3
<b>Program Credits</b>				<b>61</b>	
<b>Typical Start: Fall</b>					



# BUILDING CONSTRUCTION & CABINETMAKING PATHWAY



## Cabinetmaking #614101

Certificate | [www.westerntc.edu/cabinetmaking](http://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.

This certificate provides the foundation for a career and is a pathway to the Building Construction and Cabinetmaking technical diploma, which opens up even more opportunities.

First Term		Credits
409-323	Residential Cabinetmaking	5
409-335	Commercial Cabinetry	4
804-315	Applied Math 1- Wood	1

**Program Credits** **10**  
**Typical Start: Fall**



## Building Construction & Cabinetmaking #314102

Technical Diploma | [www.westerntc.edu/building-construction-cabinetmaking](http://www.westerntc.edu/building-construction-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
410-103	Construction Industry Basics	2
409-323	Residential Cabinetmaking	5
409-335	Commercial Cabinetry	4
410-303	Site Layout and Concrete	1
804-315	Applied Math 1- Wood	1
890-300	Strengths Seminar	1

Second Term		Credits
410-322	Interior Trim	4
410-329	Residential Blueprint Reading	1
410-333	Framing Techniques	5
410-339	Commercial Blueprint Reading	1
410-360	Commercial Systems	1

Third Term		Credits
410-101	OSHA for Woods	1
410-338	Estimating Bids & Specs	1
410-358	Residential Construction	5
410-371	Exterior Finishes	4

**Program Credits** **37**  
**Typical Start: Fall**



## BUILDING SCIENCE & ENERGY MANAGEMENT PATHWAY



### Solar Installation Technician #614815

Certificate | [www.westerntc.edu/solar-installation-technician](http://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.

Course	Credits
410-103 Construction Industry Basics	2
480-113 PV Design and Install 1	2
481-100 Intro to Energy Effic & Mgmt	3
481-106 Introduction to Building Science	3
804-107 College Mathematics	3
890-106 Strengths Seminar	1

**Program Credits** 14  
**Typical Start:** Fall



### Building Science & Energy Management #104815

Associate Degree | [www.westerntc.edu/building-science-energy-management](http://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 an increasingly competitive job market.

Course	Credits	Course	Credits
410-103 Construction Industry Basics	2	481-108 Energy Modeling 2	3
480-113 PV Design and Install 1	2	481-113 Project Investment Appraisal	3
481-100 Intro to Energy Effic & Mgmt	3	481-117 HVAC for BSEM	1
481-106 Introduction to Building Science	3	481-118 Construction Project Management	2
804-107 College Mathematics	3	809-195 Economics	3
890-106 Strengths Seminar	1	809-198 Intro to Psychology	3

Course	Credits	Course	Credits
480-101 Renewable Energy Overview	3	481-107 High Performance Buildings	3
480-114 PV Design and Install 2	2	481-119 PV Operations & Maintenance	2
481-105 Energy Modeling 1	3	481-121 BSEM Capstone Prep	2
481-109 Intro to Building Envelope Analysis	3	481-122 BSEM Capstone Project	2
481-115 3D Modeling for BSEM	1	660-164 Energy Storage Solutions	3
801-196 Oral/Interpersonal Comm	3	801-197 Technical Reporting	3

**Program Credits** 60  
**Typical Start:** Fall

### Interior Design #103041

Associate Degree | [www.westerntc.edu/interior-design](http://www.westerntc.edu/interior-design)

Western's Interior Design associate degree program will transform your creativity and attention to detail, channeling them into innovative design practices. It provides a comprehensive understanding of aesthetic theory, materiality, and functionality to shape interior spaces effectively. Throughout your training, you will develop a strong academic portfolio while gaining expertise in conceptual design development, space planning, visual communication, sustainability, regulatory compliance, and construction document preparation.

By mastering the art of generating holistic and contextually aware design solutions, you will actively contribute to enhancing the human experience through interior design. This program also prioritizes the development of crucial skills, such as being an attentive listener, a flexible thinker, and a resourceful problem solver.

Course	Credits	Course	Credits
304-102 Design and Graphic Fundamentals	3	304-146 Materials and Resources	2
410-103 Construction Industry Basics	2	304-153 INDS Studio 3- Intro to Comm Design	2
614-103 Architectural Hist, Theory & Drawing	2	304-157 Health, Safety & Welfare	2
614-107 Arch. Studio 1- 3D Modeling	3	304-163 INDS Studio 4-Adv Commercial Design	3
614-117 Arch. Studio 2- CAD Software	3	801-197 Technical Reporting	3
804-107 College Mathematics	3	809-198 Intro to Psychology	3
890-106 Strengths Seminar	1		

Course	Credits	Course	Credits
304-109 Graphic Presentation	2	304-168 INDS Construction Documentation	3
304-113 INDS Studio 1- Intro to Res Design	2	304-173 INDS Studio 5- Capstone Prep	2
304-123 INDS Studio 2- Advanced Res Design	3	304-178 Interior Design Portfolio	2
304-124 Human-Centered Design	1	304-183 INDS Studio 6- Capstone	3
614-127 Arch. Studio 3- BIM Residential 1	3	809-195 Economics	3
801-196 Oral/Interpersonal Comm	3		

**Program Credits** 60  
**Typical Start:** Fall

# AREA OF INTEREST



## EDUCATION & HUMAN SERVICES

### Career Opportunities

Day Care Aide | Nanny | Preschool Aide | Instructional Assistant | Special Education Paraprofessional  
Early Education Teacher | Instructional Assistant | Case Manager | Mental Health Coordinator | Child Support  
Specialist | Community Resource Specialist | Direct Support Professional | Economic Support Specialist |  
Human Services Technician

## EARLY CHILDHOOD EDUCATION PATHWAY



### Early Childhood Professional #313073

Technical Diploma | [www.westerntc.edu/early-childhood-professional](http://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
307-148	ECE: Foundations of ECE	3
307-149	ECE: Professional Preparation	2
307-160	ECE: Field Experience 1	3
307-167	ECE: Hlth Safety & Nutrition	3
890-106	Strengths Seminar	1

Second Term		Credits
307-108	ECE: Early Language & Literacy	3
307-110	ECE: Soc S, Art, & Music	3
307-151	ECE: Infant & Toddler Dev	3
307-170	ECE: Field Experience 2	3
307-179	ECE: Child Development	3

**Program Credits** 27  
**Typical Start: Fall**



### Early Childhood Education #103071

Associate Degree | [www.westerntc.edu/early-childhood-education](http://www.westerntc.edu/early-childhood-education)

The Early Childhood Education program is your gateway to a rewarding career as an early childhood educator, equipping you with the knowledge and practical skills essential for nurturing the development of young children. This comprehensive program integrates hands-on fieldwork experiences with relevant academic coursework, ensuring that you are well-prepared to excel in your role.

Graduates of this program assume the crucial responsibility of caring for and educating children between the ages of birth and eight years. Your role as an early childhood educator encompasses a wide range of tasks and duties, all designed to provide a nurturing and stimulating environment for children's growth and development. This includes creating and maintaining safe, healthy, and engaging play spaces, guiding children's behavior, and meticulously planning and implementing age-appropriate learning experiences.

Collaboration and effective communication with fellow staff members and families are vital components of your role, as they contribute to the overall well-being and progress of the children under your care. As an early childhood educator, you play an integral part in shaping young minds and fostering a positive learning environment, setting the stage for a lifetime of educational success.

First Term		Credits
307-148	ECE: Foundations of ECE	3
307-149	ECE: Professional Preparation	2
307-160	ECE: Field Experience 1	3
307-167	ECE: Hlth Safety & Nutrition	3
801-136	English Composition 1	3
890-106	Strengths Seminar	1

Second Term		Credits
307-108	ECE: Early Language & Literacy	3
307-110	ECE: Soc S, Art, & Music	3
307-151	ECE: Infant & Toddler Dev	3
307-170	ECE: Field Experience 2	3
307-179	ECE: Child Development	3

Fourth Term		Credits
307-112	ECE: STEM	3
307-187	ECE: Children w Diff Abilities	3
307-188	ECE: Guiding Child Behavior	3
307-190	ECE: Field Experience 3	3
804-107	College Mathematics	3

Fifth Term		Credits
307-195	ECE: Family & Community Rel	3
307-210	ECE: Field Experience 4	3
801-196	Oral/Interpersonal Comm	3
809-196	Intro to Sociology	3
809-198	Intro to Psychology	3

**Program Credits** 60  
**Typical Start: Fall**

# FOUNDATIONS OF TEACHER EDUCATION PATHWAY



## Special Education Teacher Assistant #305222

Technical Diploma | [www.westernnc.edu/special-education-teacher-assistant](http://www.westernnc.edu/special-education-teacher-assistant)

Make a difference in the lives of students with diverse learning needs. This technical diploma is designed for current or aspiring paraprofessionals who want to build specialized skills to support students with disabilities in PreK–12 school settings. Courses focus on behavior management, inclusive practices, and assisting students with special learning and healthcare needs. All courses apply directly to the Foundations of Teacher Education associate degree, making this a great option to start or advance your career in education. Whether

you're working in the classroom or looking to enter the field, this flexible pathway helps you take the next step.

First Term		Credits
522-105	EDU: Behavior Management	3
522-107	EDU: Overview of Spec Ed	3

Second Term		Credits
522-108	EDU: Soc Emot Learning & Mental Hlth	3
522-124	EDU: Supporting Stu w/Disab	3

**Program Credits** **12**  
**Typical Start: Spring**



## Educational Assistant #315221

Technical Diploma | [www.westernnc.edu/educational-assistant](http://www.westernnc.edu/educational-assistant)

The Educational Assistant technical diploma meets the requirement for all school employees working with students to have a minimum of 48 credits beyond a high school diploma. Educational assistants with this diploma are in high demand in schools, where they work under the direct supervision of a licensed teacher. They provide support to school-age students with varying abilities in the classroom, assisting with a range of tasks.

This program covers all the core courses from Western's Foundations of Teacher Education program along with 4 credits of general studies education. Start your career as an assistant with the technical diploma or continue your education to expand your opportunities and earning potential.

First Term		Credits
522-103	EDU: Intro to Ed Practices	3
522-104	EDU: Technology in Ed	3
522-106	EDU: Child & Adol Dev	3
522-112	EDU: Equity in Education	3
801-136	English Composition 1	3
890-106	Strengths Seminar	1

Second Term		Credits
522-102	EDU: Techniques in Reading	3
522-105	EDU: Behavior Management	3
522-107	EDU: Overview of Spec Ed	3
522-129	EDU: Practicum 1	3

Third Term		Credits
522-108	EDU: Soc Emot Learning & Mental Hlth	3
522-120	EDU: Techniques in Science	3
522-124	EDU: Supporting Stu w/Disab	3

Fourth Term		Credits
522-114	EDU: Techniques in Lang Arts	3
522-118	EDU: Techniques in Math	3
522-119	EDU: Techniques in Soc Stu	3
522-131	EDU: Practicum 2	3

**Program Credits** **49**  
**Typical Start: Fall**



## Foundations of Teacher Education #105222

Associate Degree | [www.westernnc.edu/foundations-teacher-education](http://www.westernnc.edu/foundations-teacher-education)

The Foundations of Teacher Education associate degree program prepares you to engage with students of diverse ages and varying ability levels while operating under the guidance and supervision of a licensed teacher. You will be well-equipped for a fulfilling career as a paraprofessional or educational assistant, offering invaluable support services to school-age students. While this program prepares graduates to serve in a variety of educational contexts, it places a primary emphasis on roles in elementary and middle-level schools.

Graduates of this program possess the knowledge and skills necessary to implement effective instructional strategies, enabling you to assist students with a wide array of academic tasks, including mathematics, science, reading, and writing assignments, in addition to other instructional activities. You will be adept at monitoring student progress, providing individualized support, facilitating small group activities, and offering one-on-one tutoring. Moreover, you'll play an integral role in enhancing the classroom environment by contributing to classroom displays, aiding students with computer and media-related tasks, and overseeing various classroom and school events.

Western's Foundations of Teacher Education program is fully compliant with Title I requirements and fulfills the requirements of the Every Student Succeeds Act (ESSA) for paraprofessionals. Furthermore, graduates of this program have the opportunity to transfer to several universities offering bachelor degree programs in Elementary Education or Special Education.

First Term		Credits
522-103	EDU: Intro to Ed Practices	3
522-104	EDU: Technology in Ed	3
522-106	EDU: Child & Adol Dev	3
522-112	EDU: Equity in Education	3
801-136	English Composition 1	3
890-106	Strengths Seminar	1

Second Term		Credits
522-102	EDU: Techniques in Reading	3
522-105	EDU: Behavior Management	3
522-107	EDU: Overview of Spec Ed	3
522-129	EDU: Practicum 1	3
804-107	College Mathematics	3

Third Term		Credits
522-108	EDU: Soc Emot Learning & Mental Hlth	3
522-120	EDU: Techniques in Science	3
522-124	EDU: Supporting Stu w/Disab	3
801-196	Oral/Interpersonal Comm	3
809-198	Intro to Psychology	3

Fourth Term		Credits
522-114	EDU: Techniques in Lang Arts	3
522-118	EDU: Techniques in Math	3
522-119	EDU: Techniques in Soc Stu	3
522-131	EDU: Practicum 2	3
809-172	Introduction to Diversity Studies	3

**Program Credits** **61**  
**Typical Start: Fall**

## Funeral Service #105281

Associate Degree | [www.westerntc.edu/funeral-service](http://www.westerntc.edu/funeral-service)

This program prepares you for a career as a licensed funeral director and embalmer in a profession that demands compassion, dedication, and creativity. Once accepted into the program, you will be immersed in all facets of the funeral profession and trained to become one of the best funeral directors in the expanding death-care career area.

Courses provide a variety of unique learning opportunities through lectures, hands-on labs, field trips, seminars, guest speakers, and internships. Topics include embalming, arranger training, grief studies, business management, religious funeral practices, regulatory compliance, and more.

Training takes place in classrooms, state-of-the-art embalming and restorative art labs, an arrangement conference room, a merchandise selection room, and a funeral chapel.

Upon completion of the program, you will earn an associate degree and be eligible to take the National Board Exam for funeral directors (required for licensure).

*This program is offered in partnership with Milwaukee Area Technical College (MATC). You will complete one year at Western, then transfer to MATC to complete the degree.*

First Term		Credits
102-130	Business Law	3
806-134	General Chemistry	4
806-177	Gen Anatomy & Physiology	4
809-198	Intro to Psychology	3
890-106	Strengths Seminar	1

Second Term		Credits
101-108	Introduction to Accounting	3
801-136	English Composition 1	3
801-196	Oral/Interpersonal Comm	3
806-197	Microbiology	4
809-196	Intro to Sociology	3

Fourth Term		Credits
Courses will be offered through Milwaukee Area Technical College (MATC)		

Fifth Term		Credits
Courses will be offered through Milwaukee Area Technical College (MATC)		

<b>Western Program Credits</b>	<b>31</b>
<b>Typical Start: Fall</b>	

## Human Services Associate #105203

Associate Degree | [www.westerntc.edu/human-services-associate](http://www.westerntc.edu/human-services-associate)

Helping others is as much of a calling as it is a career choice. As a human services associate, you will provide crucial information, resources, support, and advocacy for those facing a wide range of challenges. Western's program combines classroom instruction and field experience activities to give you the skills necessary to assist diverse groups of youth and adults dealing with issues like poverty, discrimination, child abuse, homelessness, addictions, physical and mental health problems, and disabilities.

Graduates find employment opportunities in various agencies, including county human services, community-based organizations, residential treatment programs, and other settings dedicated to assisting individuals in need. Additionally, you have the option to pursue a bachelor degree in social work or related human service programs through Western's transfer opportunities.

First Term		Credits
520-100	Intro to Human Services	4
520-150	Introduction to Gerontology	3
801-136	English Composition 1	3
809-198	Intro to Psychology	3
890-106	Strengths Seminar	1

Second Term		Credits
520-103	Interviewing and Documentation	3
520-105	Cultural Issues in Human Services	3
520-106	Professional Practices in Human Serv	3
520-118	DisAbilities	3

Third Term		Credits
804-135	Quantitative Reasoning	3
809-122	Intro to Amer Government	3
809-188	Developmental Psychology	3
809-196	Intro to Sociology	3

Fourth Term		Credits
520-113	Group Design and Facilitation	3
520-115	Field Study 1- Human Services	3
801-198	Speech	3
809-159	Abnormal Psychology	3

Fifth Term		Credits
520-107	Intro to Addiction & Subst Use Disor	3
520-112	Children and Family Studies	3
520-123	Field Study 2- Human Services	3
999-999	Elective	3

<b>Program Credits</b>	<b>62</b>
<b>Typical Start: Fall, Spring</b>	



## HEALTH SCIENCES

### Career Opportunities

Registered Nurse | CNA | Home Health Aide | Radiography Technologist | Radiology Technologist | Dental Assistant | Dental Office Manager | Medical Records Technician | Medical Coder or Billing Specialist | Respiratory Therapist | Occupational Therapy Assistant | Physical Therapist Assistant | Lab Technician | Phlebotomist

### **Inside** the classroom

**Nicole Schmit** | Dental Assistant +  
Expanded Function Dental Auxiliary



For Nicole Schmit, what started as a front desk job in 2004 quickly turned into a lifelong career. After earning her license in Minnesota and her CDA from the Dental Assisting National Board, she spent years working in general and specialty practices, mastering everything from patient care to fast-changing dental tech.

Now, she brings that deep experience into the classroom at Western. Nicole is known for keeping things real, hands-on, and full of energy. She encourages students to think beyond their first job—to build careers with purpose, confidence, and growth. Her biggest advice? “This is just the beginning. You can take your skills anywhere.”

Nicole wants more people to understand the life-changing power of oral health. “It’s not just about teeth—it’s about your whole body, and how you feel showing up in the world.”

## Dental Assistant #315081

Technical Diploma | [www.westernc.edu/dental-assistant](http://www.westernc.edu/dental-assistant)

Take on an important role in the healthcare sector by becoming a dental assistant. In this career, you'll do more than traditional chairside assistance; you'll actively engage with patients, guiding them toward optimal oral health practices. Your responsibilities will extend to assisting dentists in various dental procedures, including general dentistry, oral surgery, endodontics, orthodontics, and pediatrics. You may also have opportunities to work in a dental lab, perform x-rays, schedule appointments, and manage office tasks.

Western's comprehensive technical diploma courses are designed to equip you with the skills necessary to excel in private practices, dental groups, or governmental agencies focused on dental services. The program covers essential skills, including four-handed dentistry, dental anatomy, radiography techniques, oral hygiene principles, adherence to OSHA standards, and effective communication.

Upon completion, you'll have the chance to enhance your credentials by pursuing certification through the Dental Assisting National Board examination. This opens doors to a fulfilling and impactful career in dental healthcare.

First Term		Credits
508-101	Dental Health Safety	1
508-304	Dental & General Anatomy	2
801-196	Oral/Interpersonal Comm	3
890-300	Strengths Seminar (Technical Diploma)	1

Second Term		Credits
508-103	Dental Radiography	2
508-113	Dental Materials	2
508-302	Dental Chairside	5
508-306	Dental Assistant Clinical	3

Third Term		Credits
508-120	Dental Office Management	2
508-307	Dental Assistant Professional	1
508-308	Dental Chairside- Advanced	5
508-309	Dental Laboratory Procedures	4
508-310	Dental Radiography- Advanced	1
508-311	Dental Assistant Clinical- Adv	2

**Program Credits** 34  
**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: <https://www.ada.org/en/coda>*

## Expanded Function Dental Auxiliary #115081

Advanced Technical Certificate | [www.westernc.edu/expanded-function-dental-auxiliary](http://www.westernc.edu/expanded-function-dental-auxiliary)

Western's Expanded Functions Dental Auxiliary (EFDA) program offers short-term, targeted training for working dental professionals looking to broaden their responsibilities under a dentist's supervision. Through classroom and laboratory instruction, you'll learn to place and finish restoration material, apply sealants, perform coronal polishing, take impressions, and perform other newly approved procedures that streamline patient care and may enhance earning potential.

The program includes 30 clinical experiences completed at your place of employment or another approved dental office so you can immediately apply what you learn.

First Term		Credits
508-101	Dental Health Safety	1
508-121	EFDA Dental Procedures	3
508-122	EFDA Preventative Procedures	1
508-123	EFDA Prosthodontic Procedures	2
508-124	EFDA Clinical	2
508-304	Dental & General Anatomy	2

**Program Credits** 11  
**Typical Start: Fall**

# HEALTH INFORMATION TECHNOLOGY PATHWAY



## **T** Medical Coding Specialist #315302

Technical Diploma | [www.westerntc.edu/medical-coding-specialist](http://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
806-177	Gen Anatomy & Physiology	4
890-106	Strengths Seminar	1

Second Term		Credits
501-101	Medical Terminology	3
501-107	Digital Literacy for Healthcare	2
530-162	Foundations of HIM	3
530-182	Human Diseases for Hlth Profes	3

Third Term		Credits
530-197	ICD Diagnosis Coding	3
530-199	ICD Procedure Coding	2

Fifth Term		Credits
530-159	Healthcare Revenue Management	3
530-184	CPT Coding	3

Sixth Term		Credits
530-165	Intermediate Coding	3

**Program Credits** 30  
**Typical Start: Summer**

## **A** Health Information Technology #105301

Associate Degree | [www.westerntc.edu/health-information-technology](http://www.westerntc.edu/health-information-technology)

Health information technologists play a vital role in the healthcare sector by processing, storing, and exchanging health data within an electronic environment. As a Health Information Technologist (HIT), your responsibility is to safeguard health data, ensuring it is processed, delivered, and analyzed in compliance with state and Federal laws, such as HIPAA, while upholding confidentiality and security standards.

In our HIT program, you will delve into documentation practices, electronic health record laws and regulations, as well as the confidentiality and security of patient information. You'll learn how to maintain the integrity and accuracy of documentation within electronic health records, and gain proficiency in analyzing healthcare data, including mortality rates, census figures, and death rates, as well as the application of data to improve patient health outcomes. Coding is a fundamental aspect of effective documentation practices, and you will become skilled in identifying appropriate procedure and diagnosis codes to facilitate patient billing and uphold documentation standards, ensuring that bills are submitted correctly and accurately in accordance with federal and state laws.

As an HIT professional, you will become a member of the American Health Information Management Association, joining a community that provides the knowledge and resources needed to make a meaningful impact on healthcare while ensuring the accuracy and security of patient health data.

First Term		Credits
801-136	English Composition 1	3
801-198	Speech	3
806-177	Gen Anatomy & Physiology	4
890-106	Strengths Seminar	1

Second Term		Credits
501-101	Medical Terminology	3
501-107	Digital Literacy for Healthcare	2
530-162	Foundations of HIM	3
530-182	Human Diseases for Hlth Profes	3
809-196	Intro to Sociology	3

Third Term		Credits
530-178	Healthcare Law & Ethics	2
530-197	ICD Diagnosis Coding	3
530-199	ICD Procedure Coding	2
804-189	Introductory Statistics	3
809-198	Intro to Psychology	3

Fifth Term		Credits
530-159	Healthcare Revenue Management	3
530-163	Healthcare Stats and Analytics	3
530-164	Intro to Health Informatics	3
530-166	HIT Capstone	1
530-184	CPT Coding	3

Sixth Term		Credits
530-161	Health Quality Management	3
530-165	Intermediate Coding	3
530-167	Management of HIM Resources	3
530-196	Professional Practice	3

**Program Credits** 63  
**Typical Start: Summer**

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

## Medical Assistant #315091

Technical Diploma | [www.westernnc.edu/medical-assistant](http://www.westernnc.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
509-301	Medical Asst Admin Procedures	2
509-302	Human Body in Health & Disease	3
509-303	Medical Asst Lab Procedures 1	2
509-304	Medical Asst Clin Procedures 1	4
509-320	Medical Termin for Med Assistants	2
890-300	Strengths Seminar (Technical Diploma)	1

Second Term		Credits
509-305	Medical Asst Lab Procedures 2	2
509-306	Medical Asst Clin Procedures 2	3
509-307	Med Office Insurance & Finance	2
509-308	Pharm for Allied Health	2
509-309	Medical Law, Ethics & Profess	2
509-310	Medical Assistant Practicum	3

**Program Credits** 28  
**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](http://www.caahep.org)), upon the recommendation of the Medical Assisting Education Review Board (MAERB).*

## Medical Lab Technician #105131

Associate Degree | [www.westernnc.edu/medical-lab-technician](http://www.westernnc.edu/medical-lab-technician)

Are you intrigued by biology and chemistry, with a passion for healthcare? Consider turning your interests into a fulfilling career as a medical laboratory technician. In this role, you play a crucial part in the healthcare system by conducting clinical laboratory tests that aid in the detection, diagnosis, and treatment of diseases and medical conditions.

Your responsibilities as a medical laboratory technician encompass a wide range of analyses, spanning from waived and point-of-care testing to complex diagnostic procedures covering major medical laboratory areas such as hematology, clinical chemistry, immunohematology, microbiology, serology/immunology, coagulation, molecular diagnostics, and other emerging technologies. As the primary analyst, you'll make specimen-oriented decisions and hold vital responsibilities in information processing, training, and quality control monitoring wherever medical laboratory testing is conducted.

Graduates are eligible to take a national certification exam offered by the American Society for Clinical Pathologists' (ASCP) Board of Certification (BOC). It's important to note that passing this exam is not a graduation requirement, but it can significantly enhance your credentials and career prospects in the field of medical laboratory technology.

First Term		Credits
513-110	Basic Lab Skills	1
513-111	Phlebotomy	2
513-114	Urinalysis	2
513-115	Basic Immunology Concepts	2
801-136	English Composition 1	3
806-177	Gen Anatomy & Physiology	4
890-106	Strengths Seminar	1

Second Term		Credits
513-109	Blood Bank	4
513-113	QA Lab Math	1
513-120	Basic Hematology	3
513-121	Coagulation	1
801-166	Intro to Ethics: Theory & App	3

Third Term		Credits
806-186	Intro to Biochemistry	4
806-197	Microbiology	4
801-196	Oral/Interpersonal Comm	3
809-198	Intro to Psychology	3

Fourth Term		Credits
513-116	Clinical Chemistry	4
513-130	Advanced Hematology	2
513-133	Clinical Microbiology	4
513-170	Intro to Molecular Diagnostics	2

Fifth Term		Credits
513-140	Advanced Microbiology	2
513-151	Clinical Experience 1	3
513-152	Clinical Experience 2	4
513-159	Clinical Experience III	2
513-160	MLT Seminar	1

**Program Credits** 65  
**Typical Start: Fall**

*The Medical Laboratory Technician program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).*

# Nursing #105431

Associate Degree | [www.westerntc.edu/nursing](http://www.westerntc.edu/nursing)

Have you ever thought about becoming the heartbeat of a healthcare team? That's exactly what you'll be as a registered nurse (RN)! Our program isn't just about teaching you the nuts and bolts of nursing; it's about turning you into a leader in healthcare. Imagine combining knowledge from social, mathematical, and physical sciences with pharmacology and pathophysiology to make crucial clinical decisions. That's what you'll learn here.

Communication is key in nursing, and you'll become an expert at it. You'll also learn how to work effectively with others and use available resources to help patients maintain, regain, and improve their health. Think about mastering the art of critical thinking and problem-solving using the nursing process. It's not just about following procedures; it's about leading with compassion, respect, and cultural sensitivity.

Nurses are in high demand in all sorts of care settings, so your skills will be sought after. Plus, to ensure you're fully prepared, all registered nurses must pass a national exam to practice. Our graduates have consistently aced this exam compared to other programs nationwide. So, if you're ready to step into a career that's both challenging and rewarding, where you can truly make a difference, our RN program is the perfect place to start your journey.

First Term		Credits
801-136	English Composition 1	3
801-198	Speech	3
806-177	Gen Anatomy & Physiology	4
809-198	Intro to Psychology	3
890-106	Strengths Seminar	1

Second Term		Credits
543-101	Nursing Fundamentals	2
543-102	Nursing Skills	3
543-103	Nursing Pharmacology	2
543-104	Nursing Intro Clinical Practice	2
806-179	Adv Anatomy & Physiology	4

Third Term		Credits
543-105	Nursing Health Alterations	3
543-106	Nursing Health Promotion	3
543-107	Nursing Clinical Care Across the Lifespan	2
543-108	Intro to Clinical Care Management	2
806-197	Microbiology	4

Fifth Term		Credits
543-109	Nursing Complex Health Alterations I	3
543-110	Mental Health & Community Concepts 2	2
543-111	Nursing Intermediate Clinical Practice	3
543-112	Nursing Advanced Skills	1
809-188	Developmental Psychology	3

Sixth Term		Credits
543-113	Nsg: Complex Health Alterat II	3
543-114	Nursing Mgmt & Prof Concepts	2
543-115	Nursing Advanced Clinical Practice	3
543-116	Nursing Clinical Transition	2
809-196	Intro to Sociology	3

**Program Credits** 66  
**Typical Start: Summer, Fall**

*The Nursing program is approved by the Wisconsin Board of Nursing and accredited by ACEN (Accreditation Commission on Education in Nursing <https://www.acenursing.org/>)*

# Nursing Assistant #305431

Technical Diploma | [www.westerntc.edu/nursing-assistant](http://www.westerntc.edu/nursing-assistant)

The Nursing Assistant program is your pathway to a rewarding NA career and also serves as a foundation for pursuing other health-related programs. Over the course of 81 hours, you will acquire and demonstrate essential skills, including effective communication, basic nursing and personal care, respect for client's rights, and the care of clients with dementias. This program is proudly recognized by the Wisconsin Department of Health Services.

With this technical diploma, you become eligible to take the Wisconsin Nursing Assistant competency evaluation. Passing this evaluation allows you to be included on the Wisconsin Nurse Aide Registry, opening doors to employment opportunities in various healthcare settings such as nursing homes, hospitals, home health agencies, CBRFs, and more. This program equips you with the knowledge and skills necessary to provide crucial care and support to individuals in need within the healthcare industry.

First Term		Credits
543-300	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.*



## Occupational Therapy Assistant #105141

Associate Degree | [www.westerntc.edu/occupational-therapy-assistant](http://www.westerntc.edu/occupational-therapy-assistant)

Are you interested in a career that makes a real difference in people's lives? Consider enrolling in our associate degree program to become a Certified Occupational Therapy Assistant (COTA), or to explore other exciting job opportunities in related fields. As a COTA, you'll have the chance to work closely under the guidance of an occupational therapist. Your role? To help individuals overcome challenges in their daily lives using engaging, goal-oriented activities. This could mean assisting people in mastering everyday living skills, enjoying leisure and play, or developing work skills.

But that's not all. As a COTA, you'll find yourself in a variety of settings, each offering unique experiences. You might work in a hospital, a school, a geriatric center, or even in people's homes and communities. Each environment offers a chance to positively impact lives, helping people to not just live, but to thrive. If this sounds like the path for you, our program is the perfect starting point to launch your rewarding career in occupational therapy.

First Term		Credits
801-136	English Composition 1	3
801-196	Oral/Interpersonal Comm	3
806-177	Gen Anatomy & Physiology	4
809-198	Intro to Psychology	3
890-106	Strengths Seminar	1

Second Term		Credits
514-171	Introduction to Occupational Therapy	3
514-172	Medical and Psychosocial Conditions	3
514-173	Activity Analysis and Applications	2
809-172	Introduction to Diversity Studies	3
809-188	Developmental Psychology	3

Third Term		Credits
514-174	OT Performance Skills	4
514-175	Psychosocial Practice	3
514-176	OT Theory and Practice	3
514-179	Community Practice	2

Fifth Term		Credits
514-178	Geriatric Practice	3
514-184	OTA Fieldwork I	2
514-189	OT Phys Rehab Practice	4
514-190	OT Pediatric Practice	4

Sixth Term		Credits
514-185	OTA Practice and Management	2
514-186	OTA Fieldwork IIA	5
514-187	OTA Fieldwork IIB	5

**Program Credits** 65  
**Typical Start: Summer**

*The Occupational Therapy Assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) <https://www.aota.org/EducationCareers/Accreditation.aspx>*

## Physical Therapist Assistant #105241

Associate Degree | [www.westerntc.edu/physical-therapist-assistant](http://www.westerntc.edu/physical-therapist-assistant)

Western's Physical Therapist Assistant (PTA) program is both demanding and fulfilling. As a PTA, you'll use your knowledge and skills to enhance human health and functionality. You will achieve this by applying scientific principles to prevent, detect, evaluate, correct, or alleviate both sudden onset and prolonged movement dysfunctions.

To excel in this role, you must possess strong technical skills and the ability to collaborate with a variety of people. Being organized and detail-oriented is essential, particularly when it comes to documenting the progress of your patients.

This degree will set you up for success in this high-skill career working effectively under the direction and supervision of licensed physical therapists.

First Term		Credits
801-136	English Composition 1	3
806-177	Gen Anatomy & Physiology	4
890-106	Strengths Seminar	1

Second Term		Credits
524-139	PTA Patient Interventions	4
524-140	PTA Professional Issues 1	2
524-156	PTA Applied Kinesiology 1	4
809-198	Intro to Psychology	3

Third Term		Credits
524-142	PTA Therapeutic Exercise	3
524-143	PTA Biophysical Agents	4
524-157	PTA Applied Kinesiology 2	3
809-172	Introduction to Diversity Studies	3

Fourth Term		Credits
801-196	Oral/Interpersonal Comm	3
809-188	Developmental Psychology	3

Fifth Term		Credits
524-144	PTA Princ of Neuro Rehab	4
524-145	PTA Princ of Musculo Rehab	4
524-146	PTA Cardio & Integ Mgmt	3
524-147	PTA Clinical Practice 1	2

Sixth Term		Credits
524-148	PTA Clinical Practice 2	3
524-149	PTA Rehab Across the Lifespan	2
524-150	PTA Professional Issues 2	2
524-151	PTA Clinical Practice 3	5

**Program Credits** 65  
**Typical Start: Summer**

*The Physical Therapist Assistant Program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE). Email: [accreditation@apta.org](mailto:accreditation@apta.org) website: <http://www.capteonline.org/home.aspx>*

## Radiography #105261

Associate Degree | [www.westernnc.edu/radiography](http://www.westernnc.edu/radiography)

Radiographers play an important role in the care of individuals who are ill or injured. Their primary responsibility is to ensure that diagnostic images are of the highest quality, enabling the medical team to make precise diagnoses and provide appropriate patient treatment.

In Western's program, you will gain a deep understanding of the impact of radiation on the human body, acquire the skills to accurately position patients, determine the optimal exposure settings, and learn how to safeguard both yourself and your patients from the effects of radiation.

Core classes are conducted in classroom and laboratory settings, with a strong emphasis on hands-on clinical experience within a healthcare environment. We offer classes in various formats, including traditional face-to-face, online, and blended, to accommodate your preferred learning style and schedule.

First Term		Credits
526-149	Radiographic Procedures 1	5
526-158	Introduction to Radiography	3
526-159	Radiographic Imaging	3
526-168	Radiography Clinical 1	2
806-177	Gen Anatomy & Physiology	4
890-106	Strengths Seminar	1

Second Term		Credits
526-191	Radiographic Procedures 2	5
526-192	Radiography Clinical 2	3
526-230	Advanced Radiographic Imaging	2
801-136	English Composition 1	3

Third Term		Credits
526-189	Radiographic Pathology	1
526-193	Radiography Clinical 3	3
809-172	Introduction to Diversity Studies	3
809-198	Intro to Psychology	3

Fourth Term		Credits
526-194	Imaging Equipment Operation	3
526-195	Radiographic Image Analysis	2
526-199	Radiography Clinical 4	3
526-231	Imaging Modalities	2
801-198	Speech	3

Fifth Term		Credits
526-174	ARRT Certification Seminar	2
526-190	Radiography Clinical 5	2
526-197	Radiation Protection and Biology	3
526-198	Radiography Clinical 6	2

**Program Credits** 63  
**Typical Start: Fall**

*The Radiography program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Email: [mail@jcet.org](mailto:mail@jcet.org).*

## Respiratory Therapy #105151

Associate Degree | [www.westernnc.edu/respiratory-therapy](http://www.westernnc.edu/respiratory-therapy)

Illness, injury, premature birth, and chronic respiratory conditions can impact individuals' ability to breathe, making respiratory therapists an invaluable part of the healthcare team. In this critical role, you'll be evaluating, diagnosing, and treating various breathing disorders.

Collaborating closely with physicians, you'll contribute to the development of treatment plans aimed at improving respiratory function, and your responsibilities will extend to monitoring the effectiveness of these treatments. Your treatment strategies may involve administering inhaled medications, utilizing therapeutic or life support equipment, or implementing a combination of therapies to address respiratory issues. Additionally, you'll play a vital role in patient and family education, providing crucial information on managing respiratory conditions.

Western's program offers a variety of instructional formats, including traditional, online, and blended courses, ensuring flexibility in your education. Graduates are required to pass an examination administered by the National Board for Respiratory Care, leading to the designation of Certified Respiratory Therapist (CRT). With the CRT credential, you become eligible to apply for a license to practice respiratory care throughout the United States. You can also pursue the Clinical Simulation Examination to achieve the designation of Registered Respiratory Therapist (RRT), further enhancing your qualifications and career prospects in the field of respiratory therapy.

First Term		Credits
515-111	Respiratory Survey	3
801-136	English Composition 1	3
806-177	Gen Anatomy & Physiology	4
809-172	Introduction to Diversity Studies	3
890-106	Strengths Seminar	1

Second Term		Credits
515-174	Respiratory/Cardiac Physiology	3
801-198	Speech	3
806-197	Microbiology	4
809-188	Developmental Psychology	3

Third Term		Credits
515-173	Respiratory Pharmacology	3
515-175	Respiratory Clinical 1	2
515-176	Respiratory Disease	3

Fourth Term		Credits
515-112	Respiratory Airway Management	2
515-171	Respiratory Therapeutics 1	3
515-172	Respiratory Therapeutics 2	3
515-178	Respiratory Clinical 2	3
515-179	Respiratory Clinical 3	3

Fifth Term		Credits
515-113	Respiratory Life Support	3
515-180	Respiratory Neo/Peds Care	2
515-181	Respiratory/Cardio Diagnostics	3
515-182	Respiratory Clinical 4	3
515-183	Respiratory Clinical 5	3

**Program Credits** 63  
**Typical Start: Fall**



*The Respiratory Therapy program is accredited by the Commission on Accreditation for Respiratory Care (CoArc).*

# Surgical Technology #105121

Associate Degree | [www.westerntc.edu/surgical-technology](http://www.westerntc.edu/surgical-technology)

The operating room is a demanding and often stressful environment, and it takes a collaborative effort to ensure its smooth operation. If you thrive under pressure and can remain calm in challenging situations, you may find your calling as a surgical technologist. In this critical role, you will be an integral part of the surgical team, responsible for ensuring that equipment functions correctly, maintaining a sterile and safe environment, and ensuring the patient's comfort. Surgical procedures can vary from invasive to minimally invasive, diagnostic, or therapeutic, and you will gain experience in all these areas. Your duties will encompass both pre- and post-operative care, making you an indispensable member of the healthcare team.

Success in an operating room demands focus, dedication, and exceptional multitasking abilities. Before starting the program, all candidates will have the opportunity to gain insight through job shadowing experiences and witness surgeries in progress.

While some general studies courses are available online, with distance learning options at our regional locations, many of our program's core courses are taught face-to-face at the La Crosse Campus. These courses will consist of a combination of lectures, labs, and clinical rotations as you progress through the program.

You will be required to take a national certification exam as a final step before beginning employment as a surgical technologist. This certification ensures that you are well-prepared to excel in this vital healthcare role.

First Term		Credits
501-101	Medical Terminology	3
801-136	English Composition 1	3
801-196	Oral/Interpersonal Comm	3
806-177	Gen Anatomy & Physiology	4
890-106	Strengths Seminar	1

Second Term		Credits
512-125	Intro to Surgical Technology	4
512-126	Surgical Tech Fundamentals 1	4
512-127	Exploring Surgical Issues	2
809-198	Intro to Psychology	3

Third Term		Credits
512-128	Surgical Tech Fundamentals 2	4
512-129	Surgical Pharmacology	2
512-130	Surgical Skills Application	2
806-197	Microbiology	4

Fifth Term		Credits
512-131	Surgical Interventions 1	4
512-132	Surgical Technology Clinical 1	3
512-133	Surgical Technology Clinical 2	3
809-172	Introduction to Diversity Studies	3

Sixth Term		Credits
512-135	Surgical Technology Clinical 3	3
512-136	Surgical Technology Clinical 4	3
512-142	Surgical Interventions II	4

**Program Credits** 62  
**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: <http://www.arcstsa.org/>*



# AREA OF INTEREST



## LIBERAL ARTS

### Career Opportunities

Completion of a Liberal Arts degree from Western can lead to a wide range of possibilities. With strong skills in critical thinking, communication, problem-solving, and cultural awareness, graduates are well-prepared for careers in fields such as education, business, public service, creative industries, and more.

## Associate of Arts #208001

Associate Degree | [www.westerntc.edu/associate-of-arts](http://www.westerntc.edu/associate-of-arts)

Western's University Transfer programs are equivalent to the first- and second-year general education courses offered at traditional universities. Our Associate of Arts program prepares you for Bachelor of Arts programs in the University of Wisconsin System as well as many other four-year transfer partners. You can save thousands of dollars and earn the same bachelor's degree!

Our classes are tailored to fit your needs:

- \* Gaining knowledge and experience in the arts that broaden perspectives.
- \* Increasing problem solving abilities.
- \* Developing improved communication skills.
- \* Cultivating college-level literacy practices.

Choose courses that emphasize your individual educational goals! The AA degree is designed to provide essential soft skills for future careers and support transfer into arts, social sciences, or humanities degree programs.

### English (Minimum of 6 Credits)

801-201	English 1	3
801-203	English 2	3
801-240	Creative Writing	3
801-244	Creative Writing- Nonfiction	3

### Speech (Minimum of 3 Credits)

810-201	Public Speaking	3
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### Math & Science Requirement (10 Cr Min.)

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

804-211	Quantitative Reasoning	4
804-212	College Algebra	4
804-229	Math Analysis	5
804-231	Calculus & Analytic Geometry 1	5
804-232	Calculus & Analytic Geometry 2	5
804-233	Calculus 3	5
804-240	Basic Statistics	4
804-213	Trigonometry	3

#### \*Lab Science (Must have at least 1)

806-154	General Physics	4
806-207	Anatomy & Physiology I	4
806-208	Anatomy & Physiology II	4
806-209	College Chemistry I	5
806-212	College Chemistry 2	5
806-234	General Biology	4
806-290	Introductions to Energy Science	4

### Foreign Language (Minimum of 4 Credits)

802-211	Spanish 1	4
802-212	Spanish 2	4

### Health & Wellness (Minimum of 1 Credit)

807-200	Fitness Fundamentals	1
807-202	Total Fitness	1
807-266	Wellness Today	3
807-210	Weight Training	1

### Social Science (Minimum of 12 Credits)

809-202	Social Problems	3
809-203	Principles of Sociology	3
809-211	Principles of Macroeconomics	3
809-212	Principles of Microeconomics	3
809-221	American National Government	3
809-231	General Psychology	3
809-237	Abnormal Psychology	3
809-262	Contemporary Moral Problems	3

### Diversity/Ethnic Studies (Minimum of 3 Credits)

801-212	Multicultural Literature	3
803-214	Native American History	3
809-217	Race, Class, Gender	3

### Humanities (Minimum of 12 Credits)

801-204	Introduction to Literature	3
801-217	American Literature: Beg- 1865	3
801-218	American Literature: 1865-Pres	3
805-227	Music Appreciation	3
809-223	Introduction to World Religions	3
809-260	Introduction to Philosophy	3
809-265	Philosophy of the Arts	3
815-200	Art History: Prehistory to Medieval	3
815-210	Art History: Renaissance to Modern	3
803-211	American History (1607-1865)	3
803-212	American History (1865-Present)	3
803-225	The World in the 20th Century	3

### Electives ONLY (Minimum of 9 Credits)

#### Can apply any Unapplied 20-Code Courses

804-118	Interm Algebra w Apps	4
809-188	Developmental Psychology	3
806-280	Environmental Issues	4
809-225	Social Psychology	3
809-230	Psychology of Health and Wellness	3
890-200	Strengths Seminar-Liberal Arts Transfer	1
890-206	Study Abroad Experience	2

### Program Credits

60

Typical Start: Fall, Spring, Summer

# Associate of Science #208002

Associate Degree | [www.westernnc.edu/associate-of-science](http://www.westernnc.edu/associate-of-science)

Western's University Transfer programs are equivalent to the first- and second-year general education courses offered at traditional universities. Our Associate of Science program prepares you for Bachelor of Science programs in the University of Wisconsin System as well as many other four-year transfer partners.

General education courses include English, math, science, history, social sciences, the humanities, and health and wellness courses. You could save 40 percent by taking these AS degree courses at Western before transferring to a four-year program of study in the natural and physical sciences or social sciences!

## English (Minimum of 6 Credits)

801-201	English 1	3
801-203	English 2	3
801-240	Creative Writing	3
801-244	Creative Writing- Nonfiction	3

## Speech (Minimum of 3 Credits)

810-201	Public Speaking	3
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## Math & Science Requirement (20 Cr Min.)

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

804-211	Quantitative Reasoning	3
804-212	College Algebra	4
804-229	Math Analysis	5
804-231	Calculus & Analytic Geometry 1	5
804-232	Calculus & Analytic Geometry 2	5
804-233	Calculus 3	5
804-240	Basic Statistics	4
806-280	Environmental Issues	4
804-213	Trigonometry	3

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

806-207	Anatomy & Physiology I	4
806-208	Anatomy & Physiology II	4
806-209	College Chemistry I	5
806-212	College Chemistry 2	5
806-234	General Biology	4
806-290	Introduction to Energy	4
806-154	General Physics	4

## Health & Wellness (Minimum of 1 Credit)

807-200	Fitness Fundamentals	1
807-202	Total Fitness	1
807-266	Wellness Today	3
807-210	Weight Training	1

## Social Science (Minimum of 6 Credits)

809-202	Social Problems	3
809-203	Principles of Sociology	3
809-211	Principles of Macroeconomics	3
809-212	Principles of Microeconomics	3
809-221	American National Government	3
809-231	General Psychology	3
809-237	Abnormal Psychology	3
809-262	Contemporary Moral Problems	3

## Diversity/Ethnic Studies (Minimum of 3 Credits)

801-212	Multicultural Literature	3
809-217	Race, Class, Gender	3
803-214	Native American History	3

## Humanities (Minimum of 6 Credits)

801-204	Introduction to Literature	3
801-217	American Literature: Beg- 1865	3
801-218	American Literature: 1865-Pres	3
803-211	American History (1607-1865)	3
803-212	American History (1865-Present)	3
803-225	The World in the 20th Century	3
805-227	Music Appreciation	3
809-223	Introduction to World Religions	3
809-260	Introduction to Philosophy	3
809-265	Philosophy of the Arts	3
815-200	Art History: Prehist. to Medieval	3
815-210	Art History: Renaissance to Modern	3

## Foreign Language (Minimum of 4 Credits)

802-211	Spanish 1	4
802-212	Spanish 2	4

## Electives ONLY (Minimum of 12 Credits)

### Can apply any Unapplied 20-Code Courses

660-115	DC/AC 1	3
660-116	DC/AC 2	3
662-105	Advanced Circuits	3
804-118	Interm Algebra w Apps	4
809-188	Developmental Psychology	3
809-225	Social Psychology	3
809-230	Psychology of Health and Wellness	3
890-200	Strengths Seminar-Liberal Arts Transfer	1
890-206	Study Abroad Experience	2

## Program Credits

Typical Start: Fall, Spring, Summer

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## PUBLIC SAFETY

### Career Opportunities

Police Officer | Deputy Sheriff | Jailer | Security Officer | State Patrol Officer | Emergency Medical Technician  
Telecommunicator 911 Dispatch | Firefighter/Paramedic | Critical Care Technician/Paramedic

### **Inside** the classroom

**Amber Lang** | Health & Public Safety



Amber Lang teaches anatomy and physiology with one goal: to help future healthcare workers get it—not just for the test, but for the real world. Before Western, Amber worked as a clinical exercise physiologist at Gundersen, helping patients manage cardiac, pulmonary, and vascular conditions through individualized exercise plans.

That hands-on experience fuels her teaching. Amber is known for connecting textbook concepts to real patient stories, clinical decision-making, and the emotional side of care. Her classroom is interactive, practical, and deeply human.

She wants students to walk away confident in their understanding of the body—how it moves, heals, and sometimes breaks down. “This is the language of healthcare,” she says. “You have to understand the body before you can care for it.”

## Criminal Justice #105045

Associate Degree | [www.westernnc.edu/criminal-justice](http://www.westernnc.edu/criminal-justice)

Pursue a rewarding career in the field of criminal justice with the knowledge and skills acquired through this associate degree program. At Western, you'll gain the expertise needed to make meaningful contributions to community safety and well-being. Coursework spans a wide range of subject matter essential for entry-level criminal justice professionals, emphasizing the integration of theory and practical application.

With this degree, you'll have the opportunity to pursue specialized certifications in law enforcement and jail operations by enrolling in and successfully completing the respective academies offered at Western. Additionally, for those aiming to further their education, Western maintains transfer agreements with many local universities, creating a seamless pathway to attain a bachelor's degree in criminal justice or related fields.

First Term		Credits
504-819	Survey of Criminal Justice	3
504-821	Juvenile Justice	3
504-822	Criminal Procedure	3
504-828	Police in America	3
801-136	English Composition 1	3
890-106	Strengths Seminar	1

Second Term		Credits
504-823	Substantive Criminal Law	3
504-824	Justice Administration	3
504-827	Criminology	3
504-851	Ethics in Criminal Justice	2
809-196	Intro to Sociology	3
809-198	Intro to Psychology	3

Fourth Term		Credits
504-820	Corrections in America	3
504-825	Victimology	3
504-852	Relationship-Based Policing	3
504-858	CJ Investigative Strategies	3
801-196	Oral/Interpersonal Comm	3

Fifth Term		Credits
504-829	Criminal Justice Report Writing	3
504-859	CJ Research Methods	3
504-866	Cultural Diversity in Criminal Justice	3
504-867	CJ Technology	2
804-135	Quantitative Reasoning	3

**Program Credits** **62**  
**Typical Start: Fall**

## Criminal Justice-Law Enforcement 720 Academy #305042

Technical Diploma | [www.westernnc.edu/criminal-justice-law-enforcement-720-academy](http://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 fire arms training. You'll have plenty of opportunities to practice your skills with hands-on training and scenario-based field simulations.

First Term		Credits
504-500	Overview of Patrol Response	2
504-501	Physical Fitness	1
504-502	Application of Investigations	1
504-503	Overview of Criminal Justice	1
504-504	Prin of Emergency Vehicle Response	2
504-505	Sensitive Crimes	2
504-506	Overview of Investigations	2
504-507	Application of Traffic Response	3
504-508	Principles of Investigations	1
504-509	Principles of Tactics	5
504-510	Overview of Tactics	1
504-511	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. Website: <https://www.doj.state.wi.us/dles/training-and-standards-bureau/training-and-standards-bureau>.*



# Fire Protection Technician #105032

Associate Degree | [www.westernnc.edu/fire-protection-technician](http://www.westernnc.edu/fire-protection-technician)

Western's Fire Protection Technician program is designed to provide you with the latest knowledge and skills in fire prevention and firefighting, preparing you for a rewarding career in the fire service. As a firefighter, you'll be a frontline responder, taking action in the face of accidents, fires, natural disasters, and various emergencies that jeopardize lives and property. You'll collaborate in teams to rescue victims, offer assistance, recover property, and operate essential firefighting equipment such as ladders and firefighting vehicles. During periods of non-emergencies, firefighters also play a vital role in educating individuals and businesses on fire safety, maintaining firefighting equipment, and conducting training to uphold your knowledge and skills.

While most firefighters serve in city fire departments, opportunities also exist in diverse settings such as airports, chemical plants, and wildland firefighting. The training offered in this program not only prepares you for these roles but also sets the stage for achieving essential certifications, including Wisconsin IFSAC Firefighter I & II, Fire Inspector I, Hazmat Operations, Driver/Operator-Pumper certification,

and the Nationally Registered Emergency Medical Technician-Basic (NREMT-B) certification. With these skills and certifications, you will be well-equipped to make a significant impact in the field of fire protection and emergency response.

First Term		Credits
503-143	Building Construction for Fire Protect	3
503-191	Principles of Emergency Services	2
503-192	Principles of Emerg Svcs Sfty & Survival	3
503-195	Fire Behavior and Combustion	3
801-136	English Composition 1	3
890-106	Strengths Seminar	1

Second Term		Credits
503-142	Fire Fighting Principles	4
503-153	Haz Materials Awareness & Ops	1
801-196	Oral/Interpersonal Comm	3
804-107	College Mathematics	3
807-115	Fitness & Wellness for Public Safety	2
809-196	Intro to Sociology	3

Fourth Term		Credits
503-110	Firefighter II	3
503-193	Fire Protection Systems	3
503-194	Fire Protection Hydraulics	3
531-105	EMR and EMT Part 1	2
809-198	Intro to Psychology	3

Fifth Term		Credits
503-101	Technical Rescue	2
503-105	Trends in the Fire Service	3
503-131	Fire Department Internship	2
503-136	Firefighter Agility Assessment	1
503-137	Adv Firefighter Agility Assessment	1
503-151	Fire Prevention	4
531-106	EMT Part 2	3

**Program Credits** 61  
**Typical Start: Fall**

## PARAMEDIC TECHNICIAN PATHWAY



### **T** Emergency Medical Technician - Basic #305313

Technical Diploma | [www.westernnc.edu/emergency-medical-technician-basic](http://www.westernnc.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.

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
531-109	EMT Basic	5

**Program Credits** 5  
**Typical Start: Fall, Spring, Summer**

### **T** Emergency Medical Technician - Advanced #305316

Technical Diploma | [www.westernnc.edu/emergency-medical-technician-advanced](http://www.westernnc.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
531-303	Advanced EMT	4

**Program Credits** 4  
**Typical Start: Fall, Spring, Summer**

## PARAMEDIC TECHNICIAN PATHWAY CONTINUED



### Emergency Medical Technician - Paramedic #315311

Technical Diploma | [www.westerntc.edu/emergency-medical-technician-paramedic](http://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 such as cardiac arrest. Under direct medical control, these professionals render advanced aid by administering medication, performing and interpreting diagnostic tests such as EKGs, and intubating patients, in addition to performing the basic lifesaving measures of an EMT. The program offers a combination of classroom learning and field experiences.

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

*Western Technical College EMT – Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://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 <http://www.coaemsp.org/>*

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.

The Paramedic program's minimum expectation is to prepare Paramedics who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession.

First Term		Credits
531-911	EMS Fundamental	2
531-912	Paramedic Medical Principles	4
531-913	Adv. Patient Assess Principles	3
531-914	Adv Pre-hospital Pharmacology	3
531-915	Paramedic Respiratory Mgmt	2
531-916	Paramedic Cardiology	4
531-931	Paramedic Portfolio 1	2
890-106	Strengths Seminar	1

Second Term		Credits
531-918	Adv Emergency Resuscitation	1
531-920	Paramedic Trauma	3
531-921	Special Patient Populations	3
531-930	Medical Emergencies	3
531-932	Paramedic Portfolio 2	2

Third Term		Credits
531-922	EMS Operations	1
531-933	Clinical/Field Experience	3
531-934	Capstone	2

**Program Credits** **39**  
**Typical Start: Fall**



### Paramedic Technician #105311

Associate Degree | [www.westerntc.edu/paramedic-technician](http://www.westerntc.edu/paramedic-technician)

Can you respond to life or death situations in a calm and controlled manner? As a paramedic technician, you'd 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.

The Paramedic program's minimum expectation is to prepare Paramedics who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession.

First Term		Credits
801-136	English Composition 1	3
801-198	Speech	3
806-177	Gen Anatomy & Physiology	4
809-198	Intro to Psychology	3

Second Term		Credits
806-179	Adv Anatomy & Physiology	4
809-188	Developmental Psychology	3
809-196	Intro to Sociology	3

Fourth Term		Credits
531-911	EMS Fundamental	2
531-912	Paramedic Medical Principles	4
531-913	Adv. Patient Assess Principles	3
531-914	ADV. Pro-Hospital Pharmacology	3
531-915	Paramedic Respiratory Mgt	2
531-916	Paramedic Cardiology	4
531-931	Paramedic Portfolio 1	2
890-106	Strengths Seminar	1

Fifth Term		Credits
531-918	Adv Emergency Resuscitation	1
531-920	Paramedic Trauma	3
531-921	Special Patient Populations	3
531-930	Medical Emergencies	3
531-932	Paramedic Portfolio 2	2

Sixth Term		Credits
531-922	EMS Operations	1
531-933	Clinical/Field Experience	3
531-934	Capstone	2

**Program Credits** **62**  
**Typical Start: Fall**

*Western Technical College Paramedic Technician program is accredited by the Commission on Accreditation of Allied Health Education Programs (<https://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 <http://www.coaemsp.org/>*



## SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM)

### Career Opportunities

Mechanical Drafter | CAD Design | Industrial Machinery Mechanics | Maintenance Technicians | IT/IoT Specialist | Integration Team Engineer | Field Service Technician | Electronics Technician | Data Analyst | Technical Business Analyst | Computer Support Technician | IT Technician

### **Inside** the classroom

**Niall Kader** | IT Web & Software Developer



Niall Kader got his start in IT during the dot-com boom—back when floppy disks were still a thing and knowing a little could take you a long way. He jumped in, learned on the job, and grew from support tech to system admin to programmer, picking up JavaScript along the way. After 15 years in the industry, he followed his original dream: becoming a teacher.

At Western, Niall helps students navigate the vast and changing world of web and software development. He encourages creativity, critical thinking, and a curiosity that doesn't quit. His goal is to help students discover what they're capable of—and prepare them for a field where lifelong learning is part of the job.

He loves the sense of purpose at Western, where students often balance work, life, and school to build something better. "I'm lucky to be here," he says. "And I never stop learning either."

# SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)

## ELECTROMECHANICAL TECHNOLOGY PATHWAY



### **T** Electromechanical Maintenance Technician #316203

Technical Diploma | [www.westerntc.edu/electromechanical-maintenance-technician](http://www.westerntc.edu/electromechanical-maintenance-technician)

The field of electromechanical maintenance covers a wide spectrum, from high-tech to low-tech applications, including robotics and mining. It provides a diverse range of opportunities to work with mechanical, electrical, and electronic control systems.

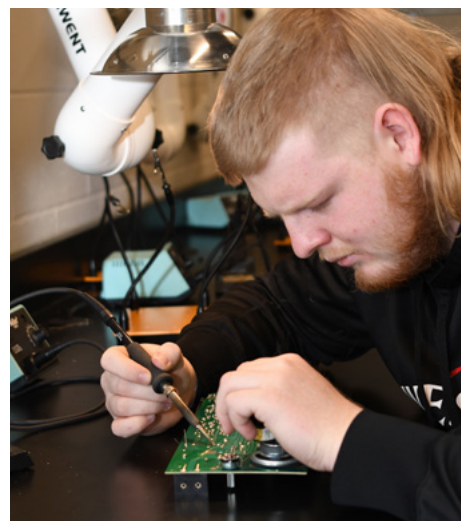
In this role, you'll work with machine operators and use Maintenance Management System (MMS) software to maintain industrial equipment and maximize operational uptime.

With this degree, you can directly enter the workforce in this field. Or, you have the option to expand your career prospects and increase your earning potential by seamlessly transitioning into the second year of Western's Electromechanical Technology associate degree program.

First Term	Credits
620-103 Industrial Electricity	2
620-135 Basic Industrial Controls	2
620-137 PLC Fundamentals	3
664-102 Intro to Industrial Control Systems	2
664-110 Intro to Mechatronics	2
801-197 Technical Reporting	3
890-106 Strengths Seminar	1

Second Term	Credits
462-105 Pipefitting for Mfg. Maintenance	3
620-112 Fluid Power Fund	2
620-144 Mechanical Drives	2
620-165 Robotic Maintenance	2
664-103 Safeguarding and Safety Circuits	2
664-107 Intro to Industrial Robotics	2

**Program Credits** 28  
**Typical Start:** Fall



### **A** Electromechanical Technology #106201

Associate Degree | [www.westerntc.edu/electromechanical-technology](http://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 skillset to directly enter this rewarding field. Or, choose to continue your education with engineering bachelor degree transfer options. See the program transfer agreements information for more details.

First Term	Credits
620-103 Industrial Electricity	2
620-135 Basic Industrial Controls	2
620-137 PLC Fundamentals	3
664-102 Intro to Industrial Control Systems	2
664-110 Intro to Mechatronics	2
801-197 Technical Reporting	3
890-106 Strengths Seminar	1

Second Term	Credits
462-105 Pipefitting for Mfg. Maintenance	3
620-112 Fluid Power Fund	2
620-144 Mechanical Drives	2
620-165 Robotic Maintenance	2
664-103 Safeguarding and Safety Circuits	2
664-107 Intro to Industrial Robotics	2
804-107 College Mathematics	3

Fourth Term	Credits
620-120 Motors and Drives	2
620-139 Adv. PLC Programming	2
620-142 Industrial Networking Applications	1
620-143 Industrial Electronics	2
620-164 Automation Systems Integration	2
664-120 Intro to Industrial Internet of Things	2
801-196 Oral/Interpersonal Comm	3
809-198 Intro to Psychology	3

Fifth Term	Credits
420-105 Machining for Maintenance	3
442-109 Welding for Maintenance	3
620-102 Intro to Process Controls	2
620-114 Siemens Control Systems	2
620-180 Electromechanical Internship	1
664-109 Automated Systems Troubleshooting	2
809-195 Economics	3

**Program Credits** 64  
**Typical Start:** Fall

## Electronic & Computer Engineering Technology - CET #106632

Associate Degree | [www.westerntc.edu/electronic-computer-engineering-technology-cet](http://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 continue your education for more earning potential with a bachelor's degree in electrical engineering at the Milwaukee School of Engineering (MSOE), computer science at UW-La Crosse, or electrical engineering technology at UW-Oshkosh.

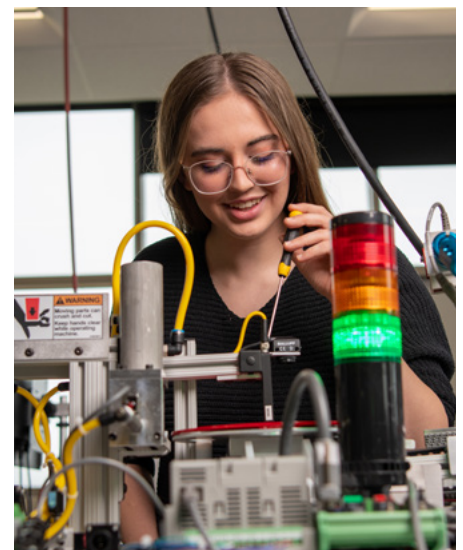
First Term	Credits	Fourth Term	Credits
660-108 Electronic Skills	1	606-184 Solidworks	2
660-115 DC/AC 1	3	662-134 Embedded Systems	4
660-116 DC/AC 2	3	662-140 Data Comm and Networking	3
804-113 College Technical Math 1A	3	662-153 Intro to LabVIEW	2
809-196 Intro to Sociology	3	662-157 Integrated Circuit Applications	3
890-106 Strengths Seminar	1		
Second Term	Credits	Fifth Term	Credits
660-125 Electronic Devices	4	620-127 Industrial Controls Applications	2
662-137 Digital Electronic Concepts	4	620-131 Industrial Controls Programming	2
663-100 Engineering Software	2	663-172 Electronics Projects Design	1
804-114 College Technical Math 1B	2	663-174 Electronics Projects Integration	2
806-154 General Physics 1	4	801-197 Technical Reporting	3
		999-999 Elective	3
Third Term	Credits		
801-136 English Composition 1	3	<b>Program Credits</b>	<b>63</b>
809-198 Intro to Psychology	3	<b>Typical Start: Fall</b>	

## IoT Integration Specialist #106315

Associate Degree | [www.westerntc.edu/iot-integration-specialist](http://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 combine hands-on skills with computer programming and networking, this is the program for you.

First Term	Credits	Fifth Term	Credits
620-103 Industrial Electricity	2	631-120 Big Data	2
620-135 Basic Industrial Controls	2	631-125 IoT Security	2
620-137 PLC Fundamentals	3	664-101 Tag Based HMI/SCADA Systems	2
664-102 Intro to Industrial Control Systems	2	801-196 Oral/Interpersonal Comm	3
664-110 Intro to Mechatronics	2	809-198 Intro to Psychology	3
801-136 English Composition 1	3		
890-106 Strengths Seminar	1	<b>Program Credits</b>	<b>64</b>
Second Term	Credits	<b>Typical Start: Fall, Spring</b>	
150-110 Cisco 1: Networking Fund	3		
150-120 Cisco 2: Switching & Routing Tech	3		
154-103 IT Exploration	3		
664-107 Intro to Industrial Robotics	2		
664-120 Intro to Industrial Internet of Things	2		
804-107 College Math	3		
Third Term	Credits		
150-137 Linux Administration	3		
151-100 Introduction to Cybersecurity	1		
809-195 Economics	3		
Fourth Term	Credits		
152-102 Python Programming	2		
154-108 Database Foundations with SQL	3		
620-139 Adv. PLC Programming	2		
620-164 Automation Systems Integration	2		
631-102 IoT Career Development	1		
631-115 Connecting Things	2		
664-103 Safeguarding and Safety Circuits	2		



# IT-COMPUTER SUPPORT SPECIALIST PATHWAY



## IT-Computer Support Technician #311546

Technical Diploma | [www.westerntc.edu/it-computer-support-technician](http://www.westerntc.edu/it-computer-support-technician)

Western's Computer Support Technician program offers a hands-on learning experience that can pave the way to employment as a level-one technician. This technical diploma will equip you with essential skills, transforming you into an adept problem-solver and an attentive listener with a strong technical foundation in hardware, software, and network maintenance, along with a fundamental understanding of programming.

Your training will occur in both Western's Student-Run Help Desk and the classroom, ensuring a comprehensive and immersive experience that prepares you for a successful career in the field of computer support.

<b>First Term</b>		<b>Credits</b>
103-111	Computer Applications for Business	3
150-101	IT Hardware/Software Fund	3
154-103	IT Exploration	3
154-108	Database Foundations with SQL	3
890-106	Strengths Seminar	1

<b>Second Term</b>		<b>Credits</b>
150-110	Cisco 1: Networking Fund	3
152-144	Web Programming 1	3
154-125	Business Information Systems	3
154-137	IT Systems Support	3
801-197	Technical Reporting	3

**Program Credits** **28**  
**Typical Start: Fall**



## IT-Computer Support Specialist #101543

Associate Degree | [www.westerntc.edu/it-computer-support-specialist](http://www.westerntc.edu/it-computer-support-specialist)

Set your sights on a fulfilling Information Technology (IT) career that balances working with people and technology. As a computer support specialist, you will be a valuable asset to organizations, possessing the ability to listen attentively and adeptly solve technical issues. Your skill set will encompass hardware and software expertise, network maintenance, cyber security awareness, and even some programming and automation.

Your responsibilities may extend to recommending hardware and software solutions, overseeing network systems, maintaining and upgrading software using a support ticket tracking system, and providing employee training. You may also offer leadership support within the IT department and propose changes as needed to enhance business process efficiency.

In addition to developing technical competencies in this program, you will refine your interpersonal skills, with a strong emphasis on communication, teamwork, ethics, and servant leadership. Your training will include hands-on experience with Western's Student-Run Help Desk, as well as classroom instruction, ensuring a well-rounded education that prepares you for success in the IT field.

<b>First Term</b>		<b>Credits</b>
103-111	Computer Applications for Business	3
150-101	IT Hardware/Software Fund	3
154-103	IT Exploration	3
154-108	Database Foundations with SQL	3
804-135	Quantitative Reasoning	3
890-106	Strengths Seminar	1

<b>Second Term</b>		<b>Credits</b>
150-110	Cisco 1: Networking Fund	3
152-144	Web Programming 1	3
154-125	Business Information Systems	3
154-137	IT Systems Support	3
801-197	Technical Reporting	3

<b>Fourth Term</b>		<b>Credits</b>
151-100	Introduction to Cybersecurity	1
151-101	Cybersecurity Essentials	2
154-107	Scripting and Automation	3
154-158	Training and Development	3
154-161	Crystal Report Writer with SQL	3
801-196	Oral/Interpersonal Comm	3

<b>Fifth Term</b>		<b>Credits</b>
150-192	Windows Server Admin 1	3
154-132	Comp Support Spec Capstone	3
154-165	Help Desk Management	3
809-166	Intro to Ethics: Theory & App	3
809-198	Intro to Psychology	3

**Program Credits** **61**  
**Typical Start: Fall**

# IT-CYBERSECURITY & NETWORK ADMINISTRATION PATHWAY



## IT-Network Technician #301504

Technical Diploma | [www.westerntc.edu/it-network-technician](http://www.westerntc.edu/it-network-technician)

If you have solid computer skills and a desire to expand your knowledge, Western's Network Technician program will be highly beneficial to your future career. This program offers a blend of classroom instruction and hands-on training, equipping you with the skills needed to offer network support in small- to medium-sized businesses and home offices.

As part of your training, you will explore the fundamentals of Linux and Windows server administration, gaining a well-rounded understanding of network technology. If you decide to pursue Western's IT- Cybersecurity & Network Administration associate degree, all the courses you complete in the Network Technician program will transfer, ensuring a smooth transition and a broader range of opportunities in the field.

First Term		Credits
150-101	IT Hardware/Software Fund	3
150-110	Cisco 1: Networking Fund	3
151-100	Introduction to Cybersecurity	1
154-103	IT Exploration	3
804-135	Quantitative Reasoning	3
890-106	Strengths Seminar	1

Second Term		Credits
150-120	Cisco 2: Switching & Routing Tech	3
150-137	Linux Administration	3
150-192	Windows Server Admin 1	3
151-101	Cybersecurity Essentials	2

**Program Credits** 25  
**Typical Start: Fall**



## IT-Cybersecurity & Network Administration #101512

Associate Degree | [www.westerntc.edu/it-cybersecurity-network-administration](http://www.westerntc.edu/it-cybersecurity-network-administration)

Western's IT-Cybersecurity and Network Administration program provides you 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
150-101	IT Hardware/Software Fund	3
150-110	Cisco 1: Networking Fund	3
151-100	Introduction to Cybersecurity	1
154-103	IT Exploration	3
804-135	Quantitative Reasoning	3
890-106	Strengths Seminar	1

Second Term		Credits
150-120	Cisco 2: Switching & Routing Tech	3
150-137	Linux Administration	3
150-192	Windows Server Admin 1	3
151-101	Cybersecurity Essentials	2
809-166	Intro to Ethics: Theory & App	3

Third Term		Credits
150-194	Windows Server Admin 2	3
151-110	Cybersecurity Operations	3
154-110	Windows PowerShell Scripting	3
801-197	Technical Reporting	3

Fourth Term		Credits
150-118	Network Security 1	3
151-115	Wireless and Mobile Security	3
154-145	Database Server Administration	3
154-180	IT Field Study	1
801-196	Oral/Interpersonal Comm	3

Fifth Term		Credits
150-119	Network Security 2	3
150-146	Virtualization and Cloud Security	3
150-198	Network Service and Support	3
809-198	Intro to Psychology	3

**Program Credits** 65  
**Typical Start: Fall**

# IT-Data & Analytics Specialist #101563

Associate Degree | [www.westerntc.edu/it-data-analytics-specialist](http://www.westerntc.edu/it-data-analytics-specialist)

Discover the key to thriving in today's job market - data analytics. Western's IT-Data and Analytics Specialist program equips you to harness the potential of data, regardless of your industry. Learn to unveil data insights, build databases, and craft reports. Gain proficiency in statistical tools and elevate your problem-solving and strategic thinking abilities. Our curriculum places a strong emphasis on cultivating software skills, spanning data-specific programming languages, artificial intelligence, and Big Data. Uncover how data, both internal and external, can revolutionize efficiency and decision-making.

Before graduation, you will be prepared to take the CompTIA Data + certification valued by many employers to give you a leg up on the competition.

<b>First Term</b>		<b>Credits</b>
103-111	Computer Applications for Business	3
154-103	IT Exploration	3
154-108	Database Foundations with SQL	3
804-135	Quantitative Reasoning	3
890-106	Strengths Seminar	1
156-102	Introduction to Data Analytics	2

<b>Second Term</b>		<b>Credits</b>
102-222	Business Analysis Fundamentals	3
103-130	Power BI	2
156-103	Data Visualization & Reporting	2
801-196	Oral/Interpersonal Comm	3
801-197	Technical Reporting	3
156-101	Data Modeling	2

<b>Third Term</b>		<b>Credits</b>
809-195	Economics	3
809-198	Intro to Psychology	3

<b>Fourth Term</b>		<b>Credits</b>
152-102	Python Programming	2
156-104	Data Governance & Ethics	3
156-105	Predictive Analytics	2
156-106	Business Applications for AI	2
804-189	Introductory Statistics	3

<b>Fifth Term</b>		<b>Credits</b>
156-107	Decision Optimization & Simulation	2
156-108	CompTIA Data+ Prep	2
156-109	Data Analytics Capstone	3
196-188	Project Management	3
631-120	Big Data	2

**Program Credits** **60**  
**Typical Start: Fall**

# IT-WEB AND SOFTWARE DEVELOPER PATHWAY



## IT-Web Programmer #311526

Technical Diploma | [www.westerntc.edu/it-web-programmer](http://www.westerntc.edu/it-web-programmer)

Build your foundation in programming and web development with the IT- Web Programmer technical diploma. This program focuses on hands-on learning, giving you the skills to create modern web applications while exploring the latest industry trends. You'll gain expertise in full-stack development, including database design, user interface (UI) design, client-side and server-side programming, software testing, DevOps, and addressing critical security concerns.

What sets this program apart is the integration of cutting-edge AI tools into every course. You'll learn how to optimize your code, automate tasks, and explore the role of AI in shaping the future of software development.

This program prepares you for entry-level web development roles or serves as a pathway to the IT - Web and Software Developer associate degree. By continuing to the associate degree, you'll unlock even greater career opportunities and earning potential in this high-demand field.

First Term	Credits
10890106 Strengths Seminar	1
10154103 IT Exploration	3
10103111 Computer Applications for Business	3
10152144 Web Programming 1	3
10150110 Cisco 1: Networking Fundamentals	3
10151100 Intro to Cybersecurity	1

Second Term	Credits
10152124 Web Programming 2	3
10152150 IT Dev Ops	3
10154108 Database Foundations with SQL	3
10152170 Software Design 1	3

Third Term	Credits
152-134 Web Programming 3	3
152-164 Web Programming 4	3
152-172 Software Design 2	3
804-135 Quantitative Reasoning	3

**Program Credits** **38**  
**Typical Start: Fall**



## IT-Web & Software Developer #101527

Associate Degree | [www.westerntc.edu/it-web-software-developer](http://www.westerntc.edu/it-web-software-developer)

Western's IT-Web & Software program offers an exciting, challenging, and hands-on curriculum to prepare you for employment in the field of Information Technology as entry-level programmers.

A diverse set of technology-focused classes are designed to introduce you to:

- Designing and querying databases
- Programming and problem solving via object-oriented programming
- Designing and building web and mobile applications
- Acquiring foundational IT skills with an introduction to computing and Information Technology
- Acquiring core IT infrastructure skills with an introduction to networking and server administration

Coming prepared with basic skills in computing, math & logic, and a determination to solve problems will set you up for success. You should also be prepared to use and enhance existing soft skills through active listening, organization, teamwork, and engaging with local employers in a professional manner via internships.

IT-Web & Software graduates will earn an associate degree, employment opportunities, and the chance for further study. You could continue your education by transferring to universities to seek degrees in Information Technology and Computer Science for increased earning potential.

First Term	Credits
103-111 Computer Applications for Business	3
150-110 Cisco 1: Networking Fund	3
151-100 Introduction to Cybersecurity	1
152-144 Web Programming 1	3
154-103 IT Exploration	3
890-106 Strengths Seminar	1

Second Term	Credits
152-124 Web Programming 2	3
152-150 IT Dev Ops	3
152-170 Software Design 1	3
154-108 Database Foundations with SQL	3

Third Term	Credits
152-134 Web Programming 3	3
152-164 Web Programming 4	3
152-172 Software Design 2	3
804-135 Quantitative Reasoning	3

Fourth Term	Credits
152-133 IT Project Management	3
152-174 Software Design 3	3
801-196 Oral/Interpersonal Comm	3
801-197 Technical Reporting	3

Fifth Term	Credits
152-176 Software Design 4	3
152-185 Mobile Applications Development	3
809-166 Intro to Ethics: Theory & App	3
809-198 Intro to Psychology	3

**Program Credits** **62**  
**Typical Start: Fall**

# MECHANICAL DESIGN TECHNOLOGY PATHWAY



## **T** Computer Aided Design (CAD) Technician #316062

Technical Diploma | [www.westerntc.edu/computer-aided-design-cad-technician](http://www.westerntc.edu/computer-aided-design-cad-technician)

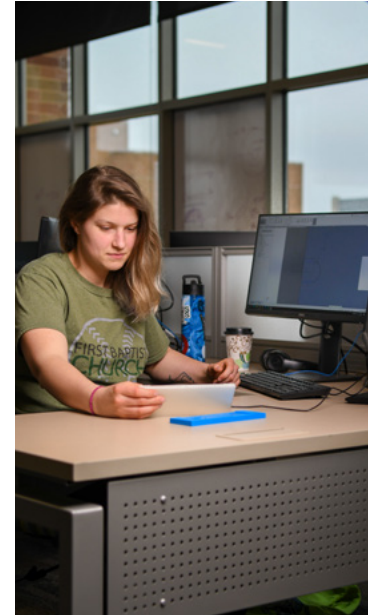
You can have a hand in designing products with your education in Computer Aided Design (CAD). CAD technicians work closely with engineers as they prepare and revise technical drawings and documentation used to build products for a variety of industries.

Courses include 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
606-140	Applied Calculations in Engineering	2
606-163	AutoCAD	2
606-165	Geometric Dim & Tolerance	3
606-184	Solidworks	2
801-136	English Composition 1	3
804-113	College Technical Math 1A	3
890-106	Strengths Seminar	1

Second Term		Credits
420-119	Mfg and Eng Materials	3
420-120	Mfg Processes/Machining CAM	3
605-138	Fund Of Elecs&Fabrication	2
606-115	Parametric Design 1	3
606-133	Parametric Design 2	4

**Program Credits** 31  
**Typical Start: Fall**



## **A** Mechanical Design Technology #106061

Associate Degree | [www.westerntc.edu/mechanical-design-technology](http://www.westerntc.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, and more sophisticated products in less time.

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

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

First Term		Credits
606-140	Applied Calculations in Engineering	2
606-163	AutoCAD	2
606-165	Geometric Dim & Tolerance	3
606-184	Solidworks	2
801-136	English Composition 1	3
804-113	College Technical Math 1A	3
890-106	Strengths Seminar	1

Second Term		Credits
420-119	Mfg and Eng Materials	3
420-120	Mfg Processes/Machining CAM	3
605-138	Fund Of Elecs&Fabrication	2
606-115	Parametric Design 1	3
606-133	Parametric Design 2	4

Fourth Term		Credits
606-124	Statics/Strength Of Materials	4
606-156	Mechanisms and Dynamics	3
806-154	General Physics 1	4
809-195	Economics	3
809-198	Intro to Psychology	3

Fifth Term		Credits
606-158	Design Analysis	3
606-164	Design Problems	4
620-112	Fluid Power Fund	2
801-197	Technical Reporting	3

**Program Credits** 60  
**Typical Start: Fall**

# MECHATRONIC & ROBOTIC ENGINEERING TECHNOLOGY PATHWAY



## Industrial Machine Controls #306201

Technical Diploma | [www.westernnc.edu/industrial-machine-controls](http://www.westernnc.edu/industrial-machine-controls)

Western's district is projected to witness a significant increase in the demand for professionals skilled in maintaining automated control systems. The Industrial Machine Controls technical diploma equips you with fundamental skills, enabling you to effectively monitor and test machinery operations, diagnose issues, perform repairs, maintain optimal operating conditions, and interpret blueprints or manufacturer's manuals for correct installation and operation procedures.

With this degree, you will be well-prepared for careers in industrial or manufacturing settings, where your expertise will be vital in the repair and maintenance of equipment.

You can also choose to further your education to expand your career opportunities and enhance your earning potential. The technical diploma courses cover the first term for the following programs:

- Electromechanical Maintenance Technician- 1-year technical diploma
- Electromechanical Technology- 2-year associate degree
- Mechatronic and Robotic Engineering Technology- 2-year associate degree

These programs offer a comprehensive path for individuals looking to advance their knowledge and skills in the field of industrial machine controls and related technologies.

Course	First Term	Credits
620-103	Industrial Electricity	2
620-135	Basic Industrial Controls	2
620-137	PLC Fundamentals	3
664-102	Intro to Industrial Control Systems	2
664-110	Intro to Mechatronics	2
890-106	Strengths Seminar	1

**Program Credits** 12  
**Typical Start:** Fall



## Mechatronic & Robotic Engineering Technology #106641

Associate Degree | [www.westernnc.edu/mechatronic-robotic-engineering-technology](http://www.westernnc.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 degree transfer options. See the program transfer agreements information for more details.

Course	First Term	Credits	Course	Fourth Term	Credits
620-103	Industrial Electricity	2	606-163	AutoCAD	2
620-135	Basic Industrial Controls	2	620-102	Intro to Process Controls	2
620-137	PLC Fundamentals	3	620-112	Fluid Power Fund	2
664-102	Intro to Industrial Control Systems	2	620-144	Mechanical Drives	2
664-110	Intro to Mechatronics	2	620-165	Robotic Maintenance	2
801-197	Technical Reporting	3	664-103	Safeguarding and Safety Circuits	2
890-106	Strengths Seminar	1	664-125	3D Printing	1
			801-196	Oral/Interpersonal Comm	3

Course	Second Term	Credits	Course	Fifth Term	Credits
620-120	Motors and Drives	2	620-114	Siemens Control Systems	2
620-139	Adv. PLC Programming	2	664-101	Tag Based HMI/SCADA Systems	2
620-142	Industrial Networking Applications	1	664-105	Robotics Applications	2
620-143	Industrial Electronics	2	664-106	Mechatronics Internship	1
620-164	Automation Systems Integration	2	664-109	Automated Systems Troubleshooting	2
664-107	Intro to Industrial Robotics	2	664-111	Advanced IO Device Applications	2
664-120	Intro to Industrial Internet of Things	2	809-195	Economics	3
804-107	College Mathematics	3	809-198	Intro to Psychology	3

**Program Credits** 64  
**Typical Start:** Fall

# AREA OF INTEREST



## TRANSPORTATION

### Career Opportunities

Automotive Technician or Mechanic | Quick Lube Technician | Parts Specialist | Fleet Maintenance Mechanic | Service Manager | Automotive Specialist | Certified Master Technician | Diesel Technician | Diesel Mechanic | Field Service Technician | Fleet Mechanic | Heavy Equipment Mechanic

### **Inside** the classroom

**Chad Hofslie** | Diesel & Heavy Equipment



Chad Hofslie brings nearly 24 years of experience in agriculture and heavy equipment to the classroom—and he’s still farming today. Growing up on a dairy farm, he was the kind of kid who loved taking things apart just to see how they worked. That curiosity led him to a career in diesel and heavy equipment, and eventually, to teaching.

At Western, Chad teaches the Heavy Equipment term in the Diesel & Heavy Equipment program. He’s passionate about helping students build confidence, master the tools of the trade, and see just how technical this field has become. “It’s not just greasy hands and hammers anymore,” he says. “These machines run on software, and our students leave with the skills to keep them moving.”

His favorite part of teaching? The moment a student lights up and says, “Oh... now I get it.”

## AUTOMOTIVE TECHNICIAN PATHWAY



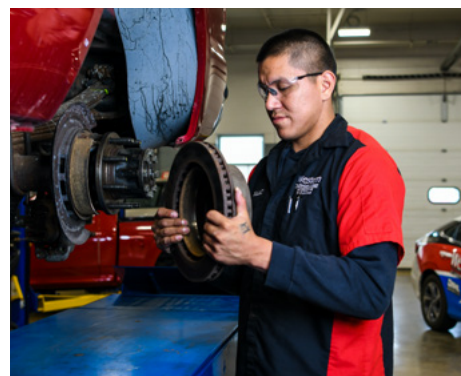
### Automotive Maintenance & Light Repair Technician - Level 1 #304041

Technical Diploma | [www.westerntc.edu/automotive-maintenance-light-repair-technician-level-1](http://www.westerntc.edu/automotive-maintenance-light-repair-technician-level-1)

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

Build upon these foundational skills by continuing with Western's Automotive Service Technician- Level 2 technical diploma.

First Term		Credits
801-315	Applied Comm for Transportation	1
890-300	Strengths Seminar	1
890-315	Applied Career Skills	1
404-302	Intro to Auto Technology	3
404-304	Basic Electrical Systems	3
404-313	Basic Maintenance	3
<b>Program Credits</b>		<b>12</b>
<b>Typical Start: Fall</b>		



### Automotive Service Technician - Level 2 #304042

Technical Diploma | [www.westerntc.edu/automotive-service-technician-level-2](http://www.westerntc.edu/automotive-service-technician-level-2)

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

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

First Term		Credits
801-315	Applied Comm for Transportation	1
890-300	Strengths Seminar	1
890-315	Applied Career Skills	1
404-302	Intro to Auto Technology	3
404-304	Basic Electrical Systems	3
404-313	Basic Maintenance	3

Second Term		Credits
804-310	Applied Math 1- Transportation	1
804-312	Applied Math 2-Transportation	1
404-322	Steering and Suspensions	3
404-326	Automotive Brake Systems	3
404-334	Engine Performance 1	3

**Program Credits** **23**  
**Typical Start: Fall**



### Automotive Technician #324042

Technical Diploma | [www.westerntc.edu/automotive-technician](http://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 will help you communicate with customers and gain valuable experience by making repairs on student and faculty vehicles in an actual shop.

The program prepares you for Automotive Service Excellence (ASE) certification. Graduates find jobs in car dealerships, independent repair shops, and other related areas.

First Term		Credits
801-315	Applied Comm for Transportation	1
890-300	Strengths Seminar	1
890-315	Applied Career Skills	1
404-302	Intro to Auto Technology	3
404-304	Basic Electrical Systems	3
404-313	Basic Maintenance	3

Second Term		Credits
804-310	Applied Math 1- Transportation	1
804-312	Applied Math 2-Transportation	1
404-322	Steering and Suspensions	3
404-326	Automotive Brake Systems	3
404-334	Engine Performance 1	3

Third Term		Credits
404-357	Drive Systems 1	3
404-382	Automotive Climate Control	3
404-386	Intro to Hybrid & Alt Fuel Veh	3

Fourth Term		Credits
404-195	Auto Occup & Bus Operations	3
404-358	Chassis Electrical & Elect Sys	3
404-366	Automotive Trade Simulation	3
404-367	Drive Systems 2	3

Fifth Term		Credits
404-353	Engine Repair	3
404-355	Automatic Transmissions	3
404-362	Engine Performance 2	3
404-372	Internship- Automotive	2

**Program Credits** **55**  
**Typical Start: Fall**

*The Automotive Technician program is accredited by the ASE Education Foundation.*

# DIESEL & HEAVY EQUIPMENT TECHNICIAN PATHWAY



## Diesel & Heavy Equipment Technician Assistant #314122

Technical Diploma | [www.westernnc.edu/diesel-heavy-equipment-technician-assistant](http://www.westernnc.edu/diesel-heavy-equipment-technician-assistant)

The Diesel and Heavy Equipment Technician Assistant technical diploma is the ideal choice for individuals who enjoy working with large equipment in a shop environment. This program provides a comprehensive foundation that includes knowledge of truck and heavy equipment repair, shop safety, industry best practices, diesel engine components, fundamentals of electrical systems, and the use of online service information.

With this degree, you will be well-prepared to embark on careers in truck and heavy equipment repair shops, capable of assisting experienced technicians and performing basic entry-level tasks and repairs. Additionally, this course of study offers a seamless transition into the second year of the Diesel and Heavy Equipment Technician technical diploma program, opening doors to additional career opportunities and an increased earning potential. Whether you start your career as an assistant or choose to further your education, this program equips you with the essential skills and knowledge needed for success in the field.

First Term		Credits
801-315	Applied Comm for Transportation	1
890-300	Strengths Seminar	1
412-351	Diesel Truck Brake Systems	3
412-401	Diesel Truck Powertrains	3
412-402	Diesel Truck Chassis Systems	3
412-403	Diesel Online Service Utilization	2
412-418	Truck Familiarization and CDL	2

Second Term		Credits
804-310	Applied Math 1- Transportation	1
804-312	Applied Math 2-Transportation	1
890-315	Applied Career Skills	1
412-303	Diesel Basic Engines	3
412-406	Diesel Electricity Fundamentals	3
412-407	Diesel Electricity Troubleshooting	3

**Program Credits** 27  
**Typical Start: Fall**



## Diesel & Heavy Equipment Technician #324121

Technical Diploma | [www.westernnc.edu/diesel-heavy-equipment-technician](http://www.westernnc.edu/diesel-heavy-equipment-technician)

As a diesel and heavy equipment technician, your role is instrumental in keeping businesses and industries operational by diagnosing and repairing diesel engines, heavy trucks, and heavy equipment. Western's hands-on program equips you with the knowledge and skills needed to excel in this field, covering essential areas such as powertrains, electrical/electronic systems, chassis systems, brakes, and hydraulics of these equipment. Throughout your training, you will stay up-to-date with the latest industry technology and practices.

Our program takes an interdisciplinary approach, drawing from welding and general studies to provide you with a comprehensive foundation for entering the field. Through applied, general, and specialized training, you will gain the expertise necessary for success. Most students complete the program within 21 months, and upon graduation, you will find excellent career opportunities in a secure and fulfilling industry. Your work will play a crucial role in keeping essential equipment running smoothly and contributing to the efficiency of various businesses and industries.

First Term		Credits
801-315	Applied Comm for Transportation	1
890-300	Strengths Seminar	1
412-351	Diesel Truck Brake Systems	3
412-401	Diesel Truck Powertrains	3
412-402	Diesel Truck Chassis Systems	3
412-403	Diesel Online Service Utilization	2
412-418	Truck Familiarization and CDL	2

Second Term		Credits
804-310	Applied Math 1- Transportation	1
804-312	Applied Math 2-Transportation	1
890-315	Applied Career Skills	1
412-303	Diesel Basic Engines	3
412-406	Diesel Electricity Fundamentals	3
412-407	Diesel Electricity Troubleshooting	3

Fourth Term		Credits
412-321	HVAC- Diesel	2
412-408	Diesel Engine Rebuilding	3
412-412	Diesel Advanced Electricity	3
412-417	Diesel & Heavy Equipment Internship	1
412-419	Diesel Engines Advanced	3
412-420	Intro to Electric Power Generation	2

Fifth Term		Credits
412-413	Diesel Heavy Equipment Powertrains	3
412-414	Diesel Hydraulic/Hydrostatic Systems	3
412-415	Diesel Heavy Equip Inspec & Prev Maint	3
412-416	Diesel Heavy Equipment Live Repair	3
442-317	Welding-Transportation	1
442-318	Welding for Diesel and Heavy Equip	1

**Program Credits** 55  
**Typical Start: Fall**

# INDIVIDUALIZED TECHNICAL STUDIES (ITS)

## Individualized Technical Studies (ITS) # 108251

Associate of Applied Science | [www.westernc.edu/individualized-technical-studies](http://www.westernc.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

<b>General Studies</b>	<b>Credits</b>
<b>Behavioral Science (Select One)</b>	<b>3</b>
809-198 Introduction to Psychology	
809-199 Psychology of Human Relations	
Other 809 courses may be permitted	
<b>Communications (Select Two)</b>	<b>6</b>
801-136 English Composition 1	
801-198 Speech	
801-197 Technical Reporting	
Other 801 courses may be permitted	
<b>Math/Science (Select One)</b>	<b>3</b>
804-107 College Math	
804-123 Math w/ Business Apps	
Other 804/806 courses may be permitted	
<b>Social Science (Select One)</b>	<b>3</b>
809-195 Economics	
809-196 Introduction to Sociology	
809-122 Introduction to American Gov.	
Other 809 courses may be permitted	
<b>General Studies Electives</b>	<b>6-15</b>
Additional course electives	
<b>Total General Studies</b>	<b>21-30</b>

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



## 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
<b>Behavioral Science (Select One)</b> 809-198 Introduction to Psychology Other 809 courses may be permitted	3
<b>Communications (Select Two)</b> 801-136 English Composition 1 801-198 Speech 801-197 Technical Reporting Other 801 courses may be permitted	6
<b>Math/Science (Select One)</b> 804-107 College Math 804-123 Math w Business Apps Other 804/806 courses may be permitted	3
<b>Social Science (Select One)</b> 809-195 Economics 809-196 Introduction to Sociology 809-122 Introduction to American Gov Other 809 courses may be permitted	3
<b>General Studies Electives</b> Additional course electives	6
<b>Total General Studies</b>	<b>21</b>
<b>Technical Studies</b> WI Journey-level Certificate Courses	<b>Credits</b> 39
<b>Program Credits</b>	<b>60</b>

## CURRENT APPRENTICESHIPS

- Construction Electrician
- Early Childhood Educator
- Industrial Electrician
- Machinist - Tool & Die
- Maintenance Technician
- Mechatronics Technician
- Plumbing

**Earn while you learn!**  
Work for a great local company, and they pay for your training.

**Find out more!**  
[westerntc.edu/apprenticeship](http://westerntc.edu/apprenticeship)







# 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](http://www.westerntc.edu/programs).

### 2. Apply online at:

[www.westerntc.edu/apply](http://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](http://www.westerntc.edu/admissions-coaches)

**608.785.9200**

[admissionscoach@westerntc.edu](mailto:admissionscoach@westerntc.edu)

## 2025-2026 ACADEMIC CALENDAR

### FALL 2025 TERM

Classes start: Sept. 2  
Classes end: Dec. 12

### SPRING 2026 TERM

Classes start: Jan. 12  
Classes end: Apr. 24

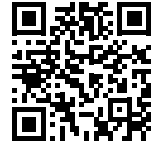
### SUMMER 2026 TERM

Classes start: May 11  
Classes end: Aug. 21

Western Technical College is in full compliance with state and federal equal opportunity and affirmative action laws and regulations including Title IX of the 1972 Education Amendments, Title VI and VII of the Civil Rights Acts of 1964 and 1992, Section 504 of the 1973 Rehabilitation Act, the Americans with Disabilities Act of 1991, and Section 38.23 of the Wisconsin Statutes. It is the policy of the Board of the Western Technical College District not to discriminate on the basis of race, color, national origin, creed, sex, age, disability, arrest or conviction record, political affiliation, union or non-union affiliation, marital status, sexual orientation, family or medical leave, or membership of the National Guard, state defense force or any other reserve component of the military forces of the United States or Wisconsin, in employment, education programs, admissions and activities. Services, financial aid and other benefits of this College and those originating from the Wisconsin Technical College System Board are provided on a nondiscriminatory basis. Western is committed to the elimination of sex-role stereotyping. Coordination of Title IX and Section 504 have been assigned to the Employment Benefits and EEO Manager at Western Technical College, 400 Seventh Street North, Post Office Box C-0908, La Crosse, Wisconsin 54602-0908; telephone 608.785.9274.



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Technical College