

WCTC PROGRAM LISTING

CONSTRUCTION





BUILD YOUR DREAM CAREER

By creating safe, efficient and functional systems and spaces, professionals in this industry can shape the way people live, work and interact with their surroundings. As the population grows and infrastructure continues to develop, so does the demand for skilled construction professionals. If you enjoy learning new things and having room to grow within your career, this constantly evolving industry is for you.

Architectural Drafting/ Construction Technology

60-credit AAS | wctc.edu/architectural-tech

POTENTIAL CAREERS:

*Drafter, CAD Technician,
Architectural Designer, Project Manager,
Architectural Illustrator/Modeler*

Architectural drafters work with engineers or architects to create technical design solutions as they relate to a building's functionality, performance and aesthetics. In this program, develop knowledge of building materials, systems and construction technology to produce drawings for construction from computer-aided drafting (CAD) applications or cutting-edge, computer-generated virtual models.

Building Trades - Carpentry

27-credit TD | wctc.edu/carpentry

POTENTIAL CAREERS:

*Construction Laborer, Rough Carpenter,
Finish Carpenter, General Carpenter, Remodeler*

Carpenters complete jobs large and small – from building highways to installing cabinetry. In this program, become proficient at using power tools, hand tools and other equipment, and work with lumber, fasteners and hardware. Develop skills for framing, roofing and exterior/interior finish work, and study blueprint reading, math and estimating.

CONSTRUCTION CERTIFICATES:

GMAW/Fabricator | 9-credit

Industrial Laser Operator | 9-credit

Construction Management Technology

60-credit AAS | wctc.edu/construction-mgmt

POTENTIAL CAREERS:

*Project Manager, Assistant Project Manager,
Assistant Construction Manager,
Assistant Project Coordinator*

Gain the knowledge and skills needed to be a leader in residential, commercial or industrial construction. Hone your technical and engineering skills while exploring the business and management aspects of the industry. Learn how to manage contractors and construction workers to meet project deadlines and overcome potential obstacles.

Concrete Finishing Apprenticeship (ABC)

12-credit APPR | wctc.edu/concrete

POTENTIAL CAREERS:

Concrete Finisher

Concrete finishers help build highways, skyscrapers, houses and other concrete structures. They finish flat surfaces such as floors, foundations and roadways, as well as vertical surfaces including walls, beams and girders. Receive high-quality, hands-on classroom instruction that complements on-the-job apprenticeship training critical for success in the industrial trades.

Electrician Apprenticeship (ABC)

16-credit APPR | wctc.edu/electrician

POTENTIAL CAREERS:

*Electrician, Journeyworker, System Designer,
Master Electrician, Electrical Engineer*

Electricians specialize in handling all types of electrical systems for residential and commercial structures. They set up, repair and maintain wiring and electrical components including breaker boxes, switches, light fixtures, and telephone and television wiring. Receive high-quality, hands-on classroom instruction that complements on-the-job apprenticeship training critical for success in the industrial trades.

Electricity

26-credit TD | wctc.edu/electricity

POTENTIAL CAREERS:

*Electrician, Industrial Technician,
Journeyworker, Master Electrician*

Learn to apply key electricity skills and knowledge in commercial, residential and industrial settings. Explore the National Electrical Code and emerging trends in the industry. Learn to read construction drawings and use appropriate safety measures when working with electricity.

HVAC/R Technician

28-credit TD | wctc.edu/hvac-r

POTENTIAL CAREERS:

*HVAC Service Technician, HVAC Service Mechanic,
Install Service Technician, Air Conditioning
Technician, Refrigeration Technician*

Heating, ventilation and air conditioning systems are critical in residential, commercial and industrial settings, and this field is one of the fastest-growing skilled trades. In this program, learn to safely install, maintain and service HVAC equipment.



Apply Online Now

wctc.edu/apply-online



Interior Design

64-credit AAS | wctc.edu/interior-design

POTENTIAL CAREERS:

Interior Designer, Residential Designer, Commercial Designer, Design Consultant, Facilities Planner

Learn space planning, lighting, plumbing, and material specifications. Gain hands-on experience developing detailed design documents and layouts. Collaborate with architects and builders to create functional, aesthetic, and code-compliant interior environments that reflect client goals. Prepare for careers in residential, commercial, or specialized interior design through real-world projects and industry connections.

Can be combined with Architectural Drafting/Construction technology or Interior Design - Kitchen and Bath Design programs to complete two associate degrees in three years.

Interior Design - Kitchen and Bath Design

60-credit AAS | wctc.edu/kitchen-bath

POTENTIAL CAREERS:

Kitchen and Bath Designer, Interior Designer, Kitchen and Bath Design Consultant, Kitchen and Bath Design Specialist

Learn to create aesthetically pleasing, environmentally focused kitchen and bath spaces. Gain foundational design skills and a specialized understanding of kitchen and bath features. Build expertise in cabinetry, fixtures, appliances, and electrical and plumbing solutions. Learn to work with architects and builders, specifying materials and producing floor and lighting plans.

Can be combined with Interior Design - Kitchen and Bath Design program to complete two associate degrees in three years.

Technical Studies/ Journeyworker

60-credit AAS | wctc.edu/tech-studies

POTENTIAL CAREERS:

Construction Manager, Estimator, Expeditor, Foreman, Production Supervisor

Build on the technical skills developed in your apprenticeship by completing coursework in communications, social science, behavioral science, and math or science. Work with an academic advisor to develop a plan that meets your individual needs and goals.

\$99,840 was the median **annual salary**
for the Construction Sector.

Source: WCTS 2024 Apprenticeship
Completion Report



Metal Fabrication/Welding - Advanced

60-credit AAS | wctc.edu/metal-fab-adv

POTENTIAL CAREERS:

Fabricator, Laser Operator, Assembler, Welder/Press Operator, Welder

Metal fabrication manipulates metal from one form to another for a particular purpose, while welding fuses parts together. In this program, develop advanced skills involving the intricate planning and preparing a part for cutting, fabrication and welding, and produce parts by employing new techniques and using a variety of materials.

Metal Fabrication/Welding

33-credit TD | wctc.edu/metal-fab

POTENTIAL CAREERS:

Fabricator, Laser Operator, Assembler, Welder/Press Operator, Welder

Metal fabrication involves preparing and manipulating materials, while welding fuses parts together. In this program, learn to read prints; create the shape of a part for cutting, fabrication and welding; and produce quality parts. Develop skills to program/operate computer-controlled press brakes/shears, plasma arc cutting machines and microprocessor-based power sources.

Pathway continues →

Welding Technician

19-credit TD | wctc.edu/welding-tech

POTENTIAL CAREERS:

Welder, Fitter/Welder

Welders fuse metal parts together to create a permanent bond. In this program, develop knowledge of print reading; learn safe handling techniques for gas cylinders, manual and machine oxy-fuel cutting, plasma cutting and air carbon arc cutting; and become introduced to gas metal arc welding/flux core arc welding techniques.

GMAW/Fabricator | 9-Credit Cert

Industrial Laser Operator | 9-credit Cert

Plumbing Apprenticeship (ABC)

16-credit APPR | wctc.edu/plumbing

POTENTIAL CAREERS:

Master Plumber, Journeyworker, Plumbing Designer

Plumbers possess the skills and knowledge to plan, install and service plumbing systems, which can include those connected to washers, bathtubs, sinks, toilets, and heating and cooling systems. Receive high-quality, hands-on classroom instruction that complements on-the-job apprenticeship training critical for success in the industrial trades.

Welding Apprenticeship

12-credit APPR | wctc.edu/welding-appr

POTENTIAL CAREERS:

Welder, Cutter

Welders work in a wide variety of industries – from automobile manufacturing, shipbuilding, aerospace and many others. Their duties include joining metal parts by fusing them together and creating a permanent bond using different welding techniques. Receive high-quality, hands-on classroom instruction that complements on-the-job apprenticeship training critical for success in the industrial trades.



READY TO TAKE **A CLOSER LOOK?**

We'd love to show you around! Explore our state-of-the-art training facilities, cutting-edge technology, helpful student resources and more - in person or online.

TAKE A CAMPUS TOUR

Join us for a guided walking tour to get a first-hand look at our facilities and learn about all WCTC has to offer.



wctc.edu/visit

CONNECT WITH AN ENROLLMENT COUNSELOR

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