

# Opportunity at your fingertips

Open the world of opportunity for careers in more than 20 different fields through a Monroe 2–Orleans BOCES Career and Technical Education program offered at WEMOCO. Explore careers and find your passion. Prepare yourself for a career with advancement opportunities by learning transferable skills and applying classroom knowledge. Leave WEMOCO ready to enter the workforce or continue your education.



## Communications



Digital and Visual Communication

## Construction



Carpentry



HVAC/Plumbing



Introduction to Construction Trades



Residential and Commercial Electrical

## Education



Child and Family Development

## Health Care



Nurse Assisting and Associated Health Careers



Dental Assisting



Exercise Science



Phlebotomy and Laboratory Science

## Hospitality



Baking



Culinary Arts

## Human Services



Cosmetology

## Information Technology



Computer Technology

## Law and Public Safety



Criminal Justice

## Manufacturing



Engineering and Metal Fabrication - Machining



Engineering and Metal Fabrication - Welding

## Transportation



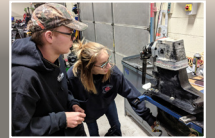
Auto Body and Collision Repair Technology



Automotive Technology



Heavy Equipment Operation and Maintenance



Outdoor Powersports Technology

## Monroe 2–Orleans BOCES Career and Technical Education

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Find more info about WEMOCO at [www.monroe2boces.org/CTE](http://www.monroe2boces.org/CTE) or follow on social media: @WEMOCOCTE



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# Career and Technical Education Class Descriptions

## Communications

**Digital and Visual Communication** – Learn how to utilize industry-standard software to create, design, edit and produce graphic images for print design, web design, and animation.

## Construction

**Carpentry** – Learn fundamentals of residential carpentry and gain real-world experience by contributing to the construction of a new house.

**HVAC/Plumbing** – Learn fundamentals of and practice fitting, assembling, and preparing piping. Install residential/ commercial heating, air conditioning, refrigeration and ventilation systems.

**Residential and Commercial Electrical** – Learn electrical theory, wiring and to interpret and apply the requirements of the National Electric Code for residential and commercial construction projects.

**Introduction to Construction Trades** – Explore and build knowledge/ skills in four areas of construction trades: carpentry, HVAC/plumbing, electricity and heavy equipment.

## Education

**Child and Family Development** – Learn about human development from birth to adulthood in preparation for a career in helping professions such as teacher, social worker, or counselor. Assist in operating a pre-school aged playgroup.

## Health Care

**Dental Assisting** – Prepare for and practice chairside assisting and gain 200 hours of clinical experience in local dental office rotations.

**Exercise Science** – Prepare for personal training certification while gaining experience with health & wellness, athletics, and rehabilitation professionals.

**Nurse Assisting and Associated Health Careers** – Learn the fundamentals of patient care necessary for entry-level employment in health care settings. Work directly with patients and participate in over 100 hours of clinical experiences.

**Phlebotomy and Laboratory Science** – Train in phlebotomy (drawing blood), medical terminology, and general laboratory procedures for use in medical, veterinary, environmental and food labs.

## Hospitality

**Baking** – Gain skills in the preparation of confectionary foods: breads, pizza, rolls, cakes, cookies and pastries. Learn to operate a retail bakery.

**Culinary Arts** – Prepare food in professionally-equipped kitchens while acquiring knowledge of nutrition, menu planning, catering, dining service and restaurant management.

## Human Services

**Cosmetology** – Learn the fundamentals of hair design, chemical services, and nail and skin care. Gain the professional skills and hours necessary to pass the NYS cosmetology licensing exams while practicing skills and shadowing in salons.

## Information Technology

**Computer Technology** – Learn about the CompTIA A+ curriculum through the Cisco Networking Academy, customer service support and video game design.

## Law and Public Safety

**Criminal Justice** – Learn about the three branches of criminal justice while preparing for civic-minded professions including law enforcement, the courts and corrections.

## Manufacturing

**Engineering and Metal Fabrication – Welding** Learn to weld metal together using industry-standard processes of Shielded Metal Arc Welding (SMAW-Stick), Gas Tungsten Arc Welding (GTAW-TIG), and Gas Metal Arc Welding (GMAW-MIG), as well as plasma arc and oxy-acetylene cutting.

**Engineering and Metal Fabrication – Machining** Learn the intricacies of removing metal to create parts with high precision. Build skills necessary to operate manual and Computer Numerical Controlled (CNC) lathes, mills and power saws for employment in a high-demand field.

## Transportation

**Auto Body and Collision Repair Technology** – Learn detailing and to repair and refinish vehicles, including metal straightening, MIG-welding, plastic fillers and major collision repair.

**Automotive Technology** – Maintain, diagnose and repair vehicles by identifying mechanical and electronic/computer issues that affect vehicle performance and safety.

**Heavy Equipment Operation and Maintenance** – Prepare for a commercial driver's license (CDL) and learn skills required by heavy equipment operators for construction, landscaping and highway industries, as well as the maintenance and repair of construction-related equipment.

**Outdoor Powersports Technology** – Learn to diagnose/troubleshoot, repair and maintain two- and four-stroke recreational and utility machines. Gain real-world experience driven by seasonal demands.