

# WEMOCO Career and Technical Education Center

## 2020-21 Program Offerings

### Health Care

**Certified Nurse Assisting (CNA)** – Prepare for and practice patient care and gain more than 100 hours of clinical experience in a medical setting.

**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 experiences in local fitness, athletic, rehabilitative and wellness facilities.

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

### Human Services

**Cosmetology** – Gain the professional skills and hours necessary to pass the NYS cosmetology licensing exams while practicing skills on mannequins and clients, plus shadowing in local salons.

### Manufacturing

**Engineering and Metal Fabrication Academy – 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 Academy – 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.

### 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.

### 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.

### 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.

### 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.

### Communications

**Advertising Design/Multimedia** – Master the basics of graphic design, photography, videography and strategic communications while using industry-aligned software and equipment.

### 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.

### Information Technology

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