

BOCES 2 Career and Technical Education Programs and Courses



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.



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



Building and Grounds Maintenance
Explore various entry-level jobs in the facility maintenance and landscape management industries.



Careers in Agriculture
Prepare for careers working outdoors, around livestock and with high-tech equipment with a focus on processing, marketing, distribution and development of products and resources.



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



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



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



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.



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



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



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



Digital and Visual Communication
Learn how individual creativity integrates with graphic design, photography, video production and strategic communication using Adobe Creative Cloud.



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



Food Services
Learn academic, technical and employability skills required to gain entry-level employment in the food service industry.



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.



HVAC/Plumbing
Practice fitting, assembling and preparing piping. Install residential/commercial heating, air conditioning, refrigeration and ventilation systems.



Introduction to Construction Trades
Explore careers and build knowledge in three skilled areas of the construction field: carpentry, HVAC/plumbing and electrical.



Introduction to Transportation Trades
Explore and build base knowledge in auto body maintenance, small engine repair, automotive repair and heavy equipment.



Life and Career Skills
Work towards mastery of career readiness and daily living skills with an emphasis on completing tasks and following multi-step directions.



Machining
Learn the intricacies of removing metal to create parts with high precision. Operate manual and Computer Numerical Controlled (CNC) lathes, mills and power saws for careers in a high-demand field.



Medical Laboratory Assisting and Phlebotomy
Learn laboratory science skills, explore careers and prepare for work in the medical field. Complete coursework necessary to earn certification as a Phlebotomy Technician, a Certified Medical Laboratory Assistant, and in American Red Cross CPR/AED and first aid.



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



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.



Outdoor Powersports Technology
Diagnose, troubleshoot, repair and maintain two- and four-stroke recreational and utility machines. Gain real-world experience driven by seasonal demands.



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.

NYSED Approved Program Career Clusters

Agriculture	Human Services
Communication	Information Technology
Construction	Law and Public Safety
Education	Manufacturing
Health Services	Transportation
Hospitality	

Locally Approved Courses

Introduction Courses
Foundation Courses

In-depth information about each offering available at monroe2boces.org/cte