



Blue Hills Regional Technical School is a premier Massachusetts vocational high school. The instructors in all of our 17 vocational programs are well-respected masters of their individual technical areas. Because our students come from nine different communities, they develop friendships and connections that stay with them long after they graduate. Our students are scholars, technicians, designers, artists, and athletes - just to name a few of their many roles. They are hardworking young men and women who are the future leaders of their industries as well as the business owners and entrepreneurs of tomorrow.

Automotive Technology

The Automotive Technology program is NATEF certified; ensuring our students become master certified mechanics. Students are able to be master certified. The program's goal is to produce graduates who can enter the industry as apprentice technicians in repair facilities or factory dealerships upon graduation.

Auto Collision Repair & Refinishing

The Collision Repair & Refinishing program is also NATEF certified. Graduates of the program have exciting careers working for independent business owners and automobile and truck dealerships. Students completing the program also have options working as manufacturer representatives in the auto insurance industry as estimators and appraisers.

Computer Technology

This program prepares students for the future of computer technology. Students learn the inner-workings of a computer as well as in-depth networking systems training. Learn about wired and wireless networking and Internet technologies while working towards industry-recognized certifications and credentials. Prepare for careers in cybersecurity, networking professionals or IT specialist, just to name a few.

Construction Technology

Using the MA building code and other resources, the Construction Technology program prepares students to enter the vast construction industry that encompasses house carpentry, millwork, and commercial construction. Students develop skills that include in-depth layout and framing. Computer-aided drafting is introduced and utilized on projects in the carpentry lab and on outside projects. Students will attain their OSHA 10 Construction certification card which is a prerequisite for employment on many major construction projects around the country.

Cosmetology

Students in the Cosmetology program learn the fundamentals of hairstyling, skin and nail care. Upon the completion of the program, students look forward to many employment opportunities. This program prepares students to apply for the State Board of Hairdressing written and practical examination upon completion of this program. When students reach 250 instructional hours, students will perform supervised work on customers in the salon which is open to the community.

Criminal Justice

This program is an exciting program for students interested in law enforcement, criminal law and procedures, crime scene processing, disaster preparedness, ethics, private investigations, surveillance practices in the areas of legal and protective services. Through the Criminal Justice program, students learn legal theory and its application in real-world scenarios. Students gain insight into the philosophies and disciplines of a variety of career areas including working with law enforcements, fire departments, law firms, federal agencies, and court houses and correctional facilities.

Culinary Arts

The field of Culinary Arts offers extensive career opportunities in an exciting and challenging profession. Students learn all aspects of the industry while running the restaurant which is open daily to the public. Whether learning about baking and pastries, stocks and sauces, nutrition, world cuisine or entrepreneurship, students are prepared for careers in restaurant settings, resorts, cruise ships, hotels, cafeterias and bakeries and as private chefs/cooks, caterers, consultants and managers. Students complete the ServeSafe Food Protection Manager Certification requirements.

Design & Visual Communications

Students are trained to become professional artists and designers. Among the topics covered in the program are the use of multimedia design, digital video and marketing strategies that incorporate photography, graphic design, animation and web development. These creative problem-solving projects will teach students how to resolve consumer communication needs visually and how to prepare creative art for reproduction in all printed media. Comprehensive portfolios are prepared for employment and/or the college admission process.

Drafting/CAD

The Drafting/CAD program prepares students for competitive careers in the mechanical, architectural and building construction design (HVAC, plumbing, electrical) fields. The in-depth training students receive enables them to translate their ideas or the ideas of other professionals into working drawings, digital renderings and 3D models.

Early Education and Care

The Early Education and Care program prepares students to meet the requirements set by the Massachusetts Department of Early Education for Preschool Teacher licensure, as well as earn their Infant/Toddler Certification. Early Education students study child development theory and teaching methods which they use as student teachers in the school's early education center, which is a functioning laboratory preschool open to the public.

Electrical

Through a solid understanding of the National Electrical Code, the Electrical program provides a comprehensive foundation for entry into the electrical industry. Students learn technical skills such as electrical theory, testing equipment, residential and commercial wiring, and a vast array of low-voltage applications. Graduates continue on to become journeyman, master electricians, telecommunication technicians, data wireman, alarm installers, and cable splicers. Upon completion of the program, students accumulate hours towards their Journeyman license.

Electronics

The Electronics program prepares students through experimentation, circuit design, building, trouble shooting, use of test equipment, and project construction to master the skills needed to work in the exciting and varied field of electronics. Students have potential careers as: Electro-Mechanical Technicians, Electronic Equipment Services Technicians, Electronic/Electrical Engineers, Manufacturing Technicians and Technical Sales personnel.

Engineering

The project-based curriculum of the Engineering program challenges students to use math, science and technology principles in solving real-world problems. The program prepares students for the rigor of college-level programs in engineering. Students learn technological systems and how they interact with other systems in analyzing and

solving problems. Students learn 21st Century skills such as communicating effectively through reading, writing, listening and speaking as well as working with others in teams to problems solve. Career options for students, coupled with post-secondary study, include a myriad of Engineering professions.

Graphic Communications

Graphic Communications is one of the largest and most diverse industries in the United States. This industry includes printing, publishing and packaging as major divisions. Students learn the most up-to-date software applications for digital/graphic design and have the opportunity to receive industry-recognized certifications. Upon leaving the program, students have career opportunities in graphic design, print supervisors and desktop publishers.

Health Assisting

The Health Assisting program prepares students to enter the health care profession. The topics covered in the program are basic nursing, business, values, office management, foods and nutrition, human growth and development and health issues. Upon completion of the program, students will be licensed as a CNA and hold CPR/ First Aid, Basic EKG and Home Health Aide certifications.

HVAC/R

The HVAC/R program prepares students by developing skills in a broad spectrum of service, installation and maintenance on all types of residential, commercial and industrial heating, ventilation, air conditioning and refrigeration. Upon completion of the HVAC/R program students will be qualified in 3 EPA certifications, MVAC certification, R410 Certification and prepare them as an oil burner apprentice.

Metal Fabrication

Metalworkers use their arts and sciences to create useful products ranging from skyscraper office buildings, transportation systems and bridges to fine art sculptures, recreational equipment and ordinary tools for everyday life. The Metal Fabrication program covers a wide range of topics including safe work practices, welding, OSHA construction, computer programming for CNC machinery, the importance of chemistry in welding and cutting processes, precision sheet metal layout, and using mathematical formulas to calculate material waste, project costs and unit conversions.

**Education is the most powerful
weapon which you can use to change
the world. ~
Nelson Mandela**