



Your Bridge to the Future - Your Gateway to Success

UPPER CAPE TECH

Your Bridge to Training ▲ Employment ▲ College ▲ Careers

UPPER CAPE TECH



*Your Bridge To
The Future*

*Your Gateway
To Success*

Upper Cape Tech students are trained in the latest techniques and on equipment that reflects the latest technology.

Despite a strong demand for skilled workers in Massachusetts, there are not enough available employees with the technical skills necessary to succeed in the workplace. Career and vocational schools like Upper Cape Tech provide the answer to this problem by producing students with advanced skills. The U.S. Department of Labor reports that career and vocational schools offer programs designed to prepare students for all 20 of the fastest growing occupations in the United States. At Upper Cape Tech, students are prepared for these occupations.

Not only do our students graduate with the technical skills needed in today's economy, they also have the "soft" skills recognized by employers and colleges as requirements for success.

The Pioneer Institute reports that career and vocational programs provide competency-based learning that adds to students' work attitudes and general employability skills. The Harvard Graduate School of Education determined that these skills are what allow for success in the workforce. This assertion is reinforced by the Massachusetts Business Alliance for Education, which surveyed employers who asserted that career and vocational education graduates are more job ready than their counterparts in general education or college preparatory programs. This readiness manifested itself in their preparation, discipline and collaboration.

Learn more at www.UpperCapeTech.com, join us for a Tour, or call for more information. You can even apply for admission ONLINE!

Keep YOUR Options Open at Upper Cape Tech!

WELCOME...

you started on a successful career path or prepare you to pursue a college degree.


As a student entering high school, you have several options for your education. If you enjoy working with your hands, being creative, repairing automobiles or marine engines, programming computers or a variety of other technical specialties, Upper Cape Cod Regional Technical School can get

Upper Cape Tech operates as a school of choice, designed for students who are seeking to enhance their educational programs with a highly relevant career and technical experience that is connected directly to business and industry. Over 200 business and industry advisors review and update the school's educational program annually. The UCT experience provides students with a blend of classroom theory, technical applications in state-of-the-art laboratories, and actual off campus work-based experiences. Students learn technical skills and earn nationally recognized industry certifications. They apply reading, writing, mathematics, science, communications, and technology in a way that has personal meaning and career relevance. The information provided in the pages that follow describes the technical programs, integration of academics, and the numerous extra-curricular opportunities that exist today.

Are you ready to step forward and begin your career? UCT can provide you with the knowledge, experience, and hands-on training that you will need to excel in today's job market and ensure success in post-secondary programs.

If you would like to begin your pathway to the careers of today and tomorrow, like so many graduates and local business owners have, then Upper Cape Tech must be considered for its many excellent career building opportunities and the many options we provide for your future.

Roger Forget



Superintendent

Upper Cape Tech

has become the school of choice for students wishing to have options for their future. See how we are your Bridge to the Future and Gateway to Success as we positively impact the lives our students.

Automotive Collision Repair

This program teaches technical level skills that lead to a wide variety of collision technology careers in both the public and private sectors. The field of collision repair is dynamic, broad and involves many areas of study that include the principles of mechanics, engineering, electrical components, computer diagnostics, auto body work, painting/refinish-

ing, welding and metal fabrication, damaged vehicle analysis/appraisal and reconditioning, aluminum and plastic repair, just to name a few. During shop week our students are provided with an authentic workplace experience and develop skill sets that are transferable to many other lucrative industries.



PROGRAM HIGHLIGHTS

- National Master accreditation
- ASE student certifications
- Fun and creative environment
- Exciting hands-on projects
- ICAR curriculum
- Project based learning
- College articulations
- Adaptive to all learning styles
- Academic integration
- Latest cutting edge technologies
- Skill focused systematic planning
- PPG Envirobase Waterborne Paint System

CAREER PATHWAYS

- Collision specialist
- Refinishing technician
- Appraiser/manager
- Car designer
- Structural professional technician
- Non-structural technician
- Electronics/electrical tech
- Vehicle interior/exterior detailer
- Aluminum technician

Automotive Collision Repair

ADDITIONAL INFORMATION

Learn more about the automotive collision repair industry.

- | | |
|--|--|
| • www.collisioncareers.com | • www.safecar.org |
| • www.natef.com | • www.wenzelsautobody.com |
| • www.ase.com | • www.kingcollision.com |
| • www.i-car.com | • www.checkcollision.com |
| • www.fenderbender.com | • www.capeautobody.com |
| • www.carbodydesign.com | |



Automotive Technology

The Automotive Technology Program is designed to prepare students for employment opportunities in the automotive industry. Upon completion of this program, students are knowledgeable in all entry-level phases of the automotive trade necessary to repair today's vehicles in any modern auto repair facility. Training encompasses the following areas: engine repair and performance, engine electrical,

heating/air conditioning, brakes, suspension/steering and automotive maintenance/safety. Students are prepared to diagnose and repair state emission failures in today's complex automobiles using up to date electronic equipment. Students are also instructed on all of the latest techniques that have been developed in the automotive field.



Automotive Technology

PROGRAM HIGHLIGHTS

- Automotive Trade Orientation
- Servicing Lube Points/Fluid Levels
- Servicing Tires including TPMS
- Inspecting/Repairing Exhaust System
- Maintaining/Servicing the Cooling System
- Maintaining/Servicing Engine Electrical
- Servicing Brake System
- Servicing Steering/ Suspension Systems
- Servicing Heating/Air Conditioning System
- Servicing Engine Fuel System

CAREER PATHWAYS

High school diploma:

- Entry level auto service Technician
- Service writer
- Parts department
- Dealership employment
- Technical salesperson

Post-Secondary Education:

- Automotive design engineering
- Service manager
- General manager
- Engineering technician
- Research and development technician
- Automotive design engineer
- College/Tech School instructor
- Mechanical engineer
- Manufacturing engineer
- Insurance underwriter
- Research and development engineer

ADDITIONAL INFORMATION

Graduates of this program can secure employment in a wide variety of occupations in the automotive industry. All of the Instructors are ASE certified in the areas that they teach and the program is ASE certified by NATEF.

Carpentry

The carpentry program at Upper Cape Tech prepares students for one of the many diverse employment opportunities in the building field. Students learn a wide range of skills and safety procedures starting with basic joinery and furniture making using hand tools and stationary power tools. Students advance into residential framing and finish techniques, using the latest in technology and modern building practices, as

they work on real life on-campus building projects as well as many exciting and interesting off-campus projects that help the local community. Along the way students will have the opportunity to hone their skills in construction math and science; computer aided drafting (CAD), as well as Computer Numerical Controlled (CNC) machinery.



PROGRAM HIGHLIGHTS

- Use of hand and power tools
- Blueprint reading
- CAD (computer aided drafting)
- Massachusetts State Building Codes
- Interior/exterior finish
- Rough framing
- Entry level concrete work
- Retail sales and service/construction supply
- Roofing
- Siding Installation
- Surveying

CAREER PATHWAYS

- Architect
- Building Contractor
- Building Maintenance
- Building/Home Inspector
- Cabinetmaker
- Civil Engineer
- CNC Operator
- Construction Consultant
- Construction Estimator
- Construction Manager
- Contract Administrator
- Dry Waller/plaster
- General Contractor
- Framer
- Finish carpenter
- Remodeler
- Insurance Appraiser
- Project Manager
- Property Manager
- Real Estate Agent
- Real Estate Developer
- Retail sales and service/construction supply

ADDITIONAL INFORMATION

Articulation agreements exist with several colleges for students to receive credit for technical program coursework completed. Students enrolled have the opportunity to receive the OSHA 10 hour certification as well as CertainTeed roofing and siding certification. Technical program hours can be applied to the experience eligibility requirement for construction supervisor licensure.

Cosmetology

The cosmetology program offers students the chance to pursue the art and science of the beauty industry through a 1000 hour program. Students receive practical and textbook related instruction on a variety of services offered in the industry of hair, skin and nails. Qualified students perform services within our full service working salon. While students are perfecting technical skills they are also perfecting the art of social skills related to customer service. This includes, but isn't limited to, customer

relations, consultations, team work, listening skills and the desire to continue their education in an industry that is constantly progressing and changing. The students are also exposed to a variety of salons from our member towns so that they may experience the environment of the industry. Upon completion of the required number of hours the student will be eligible to take the state board licensing exam.



ADDITIONAL INFORMATION

By obtaining a license students may qualify for the Cooperative Employment Program. This allows students to work for pay during their regular scheduled shop weeks. Additional co-op rules apply.

CAREER PATHWAYS

- Hair stylist
- Salon owner
- Cosmetologist on a cruise ship or all-inclusive resort
- Film and/or Television cosmetologist
- Cosmetology Instructor
- Sales associate for professional hair care line
- Platform artist
- Nail technician
- Make-up artist
- Esthetician

PROGRAM HIGHLIGHTS

- Customer Relations
- Nail Techniques
- Skin Care/Facials
- Salon Business
- Hair Re-texturizing
- Hair Cutting
- Hair Coloring and Advanced Color Techniques
- Guest Artist Presentations
- Our teachers participate in professional development to bring the most current techniques to the Cape Styles Salon.

The field of culinary arts offers extensive career opportunities in an exciting and challenging profession. These individuals can choose to work in any food service facility including restaurants, resorts, cruise ships, hotels, cafeterias, and bakeries or can work as private chefs/cooks, caterers, consultants or managers. Students are trained in all aspects of food preparation, baking, and restau-

rant management through the operation of our popular Canal Side Restaurant overlooking the Cape Cod Canal. Culinary students learn menu planning, purchasing, quality control, service, ice carving, artistic display, and management. Health and dietary considerations are stressed throughout the program. Students receive experience catering a wide variety of community functions.



ADDITIONAL INFORMATION

"Students have the opportunity to have their related class in the new State of the Art Demonstration Kitchen. Halfway through their junior year they are eligible for the Co-Op Program, which allows qualified students to work in various food service operations for a more knowledgeable culinary experience.

Culinary Arts

CAREER PATHWAYS

High School

- Rounds Cook
- Bakery Assistant

Post Secondary

- Restaurant Owner
- Executive Chef
- Dietician
- Instructor

PROGRAM HIGHLIGHTS

- Personal Hygiene
- Sanitation
- Safety
- Cooking methods
- Breakfast preparation
- Salads/Preparation
- Soup and Stocks
- Vegetable preparation
- Meat Preparation
- Poultry fabrication
- Seafood fabrication
- Dining Room Service
- Baking Pastry Preparation
- Cake decorating
- Ice carving
- After school functions
- ACF certification
- ServSafe certification
- FDRP – Federation of Dining Room Professionals

Electrical

The electrical program at Upper Cape Tech prepares young men and women for a career in an ever-changing field. Electricity and how it is generated, transmitted, used and stored will always be a necessary commodity in a high-tech modern America. The student will study

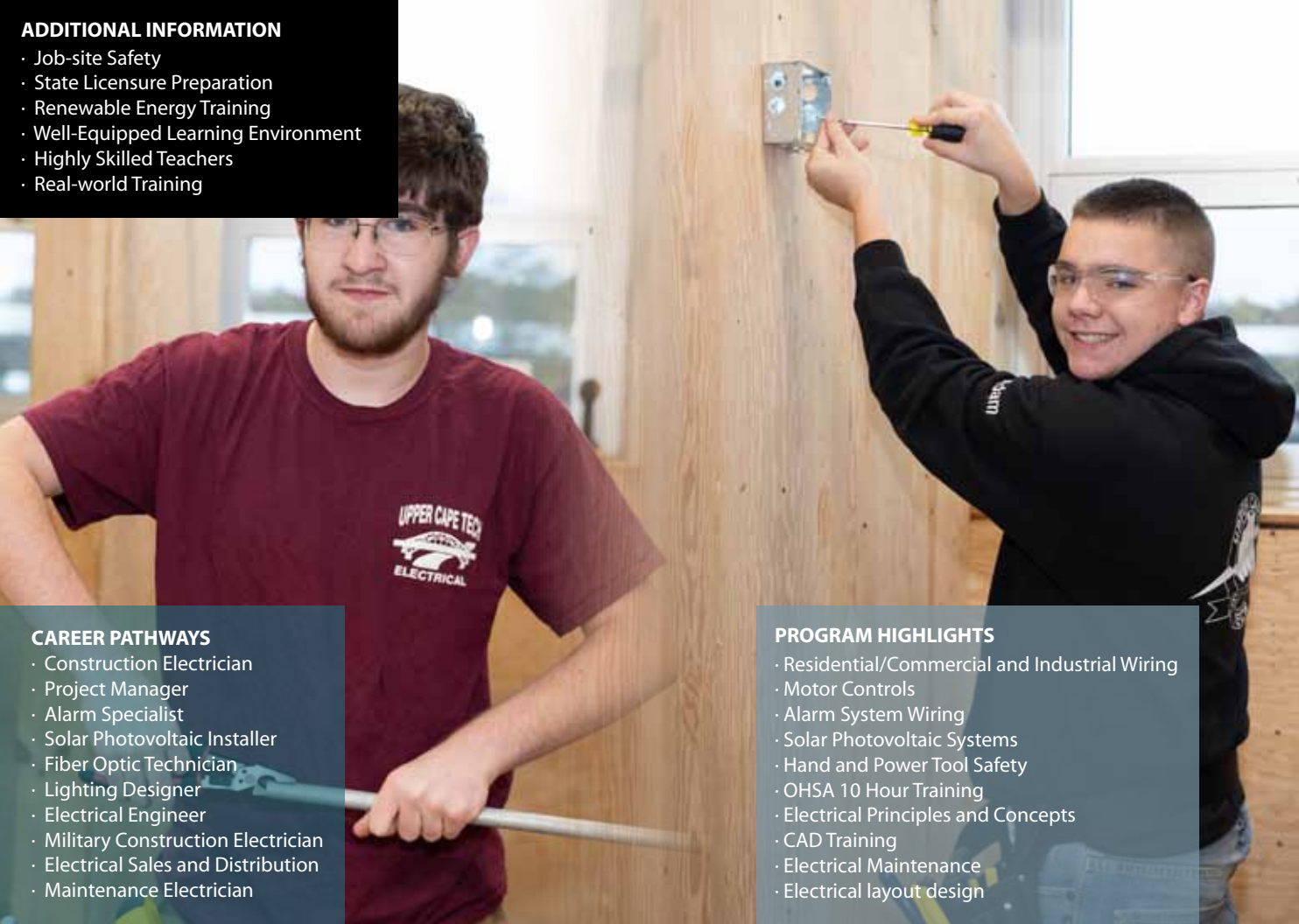
existing wiring methods, state-of-the-art and future technologies in order to excel in the working world. As long as our environment consumes electricity, there will be a demand for trained professionals in the electrical field.



Electrical

ADDITIONAL INFORMATION

- Job-site Safety
- State Licensure Preparation
- Renewable Energy Training
- Well-Equipped Learning Environment
- Highly Skilled Teachers
- Real-world Training



CAREER PATHWAYS

- Construction Electrician
- Project Manager
- Alarm Specialist
- Solar Photovoltaic Installer
- Fiber Optic Technician
- Lighting Designer
- Electrical Engineer
- Military Construction Electrician
- Electrical Sales and Distribution
- Maintenance Electrician

PROGRAM HIGHLIGHTS

- Residential/Commercial and Industrial Wiring
- Motor Controls
- Alarm System Wiring
- Solar Photovoltaic Systems
- Hand and Power Tool Safety
- OSHA 10 Hour Training
- Electrical Principles and Concepts
- CAD Training
- Electrical Maintenance
- Electrical layout design

Engineering Technology

U.S. industries are in need of engineers and technical workers to fill over a million positions over the next several years. The Engineering Technology Program prepares students for employment and continuing education in the challenging field of engineering by developing both theoretical and technical skills. Theory is integrated with laboratory activities and projects using modern design, prototyping, fabrication,

testing, and measurement equipment. Many cross-disciplinary research and project opportunities in civil, mechanical and electrical engineering areas are offered. Students are exposed to a broad curriculum covering many aspects of engineering and receive a solid foundation in mathematics, physics, and engineering theory.



Engineering Technology

ADDITIONAL INFORMATION

Students can compete in SkillsUSA and MATE ROV competitions.

Industry certifications are available including: FANUC Handling Tool Operation & Programming, Autodesk, AutoCAD, Inventor, ASME GD&T, and ETA Student Electronics Technician Certificate.

CAREER PATHWAYS

- Robotics/Automation Technician
- CAD/CAM Operator
- Assembly/Manufacturing Technician
- Engineering Technician
- Engineer in fields of:
 - Aerospace
 - Architectural
 - Biomedical
 - CAD/CAM
 - Chemical
 - Civil
 - Computer Software
 - Electrical
 - Environmental
 - Industrial
 - Manufacturing
 - Mechanical
 - Robotics/Automation

PROGRAM HIGHLIGHTS

- Principles of design
- Electrical Engineering
- Mechanical Engineering
- Civil Engineering and architecture
- Robotics and automation
- Manufacturing and rapid prototyping
- Measurements and metrology
- Hydraulics and pneumatics
- Computer Aided Design (CAD)
- Computer Aided Machining (CAM)
- Engineering Software Application



Environmental Science & Technology

This progressive, nationally recognized program uses science, engineering, conservation, communication and economics to protect and enhance public health and the environment. Grade 11 and 12 students have the opportunity to earn up to nine college credits from the Environmental Technology Program curriculum. Natural resources, laboratory procedures, engineering design, aquaculture, energy efficiency, communication and presentation are emphasized in a project-based curriculum. Throughout the program, students work on

projects that provide authentic workplace experiences and develop skill sets used in a wide variety of environmental disciplines.

Students are prepared to take the Massachusetts Water/Wastewater Operator Certification Tests. Students also receive certification in the Occupational Safety and Health Administration Hazardous Waste Operations and Emergency Response 40-hour training including CPR and First Aid certification.



ADDITIONAL INFORMATION

- 10-Hour OSHA General Industry Safety Training Certificate
- 40-Hour, 3-college credit, OSHA- Hazardous Waste Operations and Response (HAZWOPER) Training at Bristol Community College
- Massachusetts Grade-2M Wastewater Operator's License
- Massachusetts Drinking Water T1 or D1 Operator's License

CAREER PATHWAYS

Careers in environmental science and technology may range from air quality monitoring to environmental laboratory services to hazardous waste management. Below are occupational outlooks for a few environmental science and technology careers:

- Environmental Technician
- Aquatic Lab Technician
- Hazardous Waste Technician
- Marine Science Technician
- Environmental Site Assessor
- Drinking Water Technician

PROGRAM HIGHLIGHTS

- Life Sciences
- Field Sampling
- Public Health/Toxicology
- Engineering/Design
- Natural Resource Conservation
- Hazardous Waste Operations
- Communication/Presentation
- Sustainability
- Aquaculture/Hydroponics
- Energy Efficiency
- Health and Safety
- Wastewater Treatment
- Drinking Water Treatment

Health Technology

The Health Technology Program at Upper Cape Cod Regional Technical School introduces students to a variety career opportunities in the exciting and challenging health care field. The students externship

experiences are designed to reinforce classroom and laboratory instruction. Externships allow students to develop skill sets needed for a variety of health care settings.



ADDITIONAL INFORMATION

Articulation agreements are in place with all MA community colleges in addition to New England Institute of Technology and the Upper Cape Cod Regional Technical LPN program. Health Technology students participate in Skills USA, compete in the Health Knowledge Bowl and earn medals in Basic Health, Nursing Assistant, Medical Terminology, Medical Math, First Aid, and Early Childcare.

Certifications available in the Health Technology Program include: Certified Nursing Assistant, Home Health Aide, Dementia 8 hour training, OSHA, CPR Health Care Provider, and First Aid and Safety.

CAREER PATHWAYS

- High School
- Certified Nursing Assistant
- Dietary Aide
- Health Unit Coordinator
- Home Care Aide
- Teacher Assistant
- Post Secondary
- Dental Hygienist
- Laboratory Technician
- Licensed Practical Nurse
- Medical Assistant
- Occupational Therapists
- Physical Therapists
- Radiology Technician
- Respiratory Therapist
- Registered Nurse
- Social Worker
- Speech Therapist

PROGRAM HIGHLIGHTS

- Anatomy and Physiology
- Caring for cognitive impaired individuals
- Child care principles
- Emergency care
- First aid
- Health Care Provider
- Cardiopulmonary Resuscitation
- Home care aid skills
- Human Growth and Development
- Infection Control
- Medical Terminology
- Nursing Assistant skills
- Nutrition
- Psychology
- Safety



This innovative program is designed to prepare students for the many career opportunities within the horticulture industry. In Horticulture students develop the skills in Arboriculture, Floriculture, Turf Management, Power Equipment Technology, Irrigation Technologies, Heavy Equipment Operations, and Landscape Design, Maintenance and Construction. Students can specialize in landscape management, landscape construction,

Athletic and Golf turf management, horticultural business management, Floral Design and Arboriculture. Students operate specialized turf and landscape power equipment as they assist in the care of the expansive campus while undertaking many community projects in our five member towns.



Horticulture

ADDITIONAL INFORMATION

Licensure after UCT:

- MA Pesticide License
- Hoisting License
- MCLP/ISA/MCH

CAREER PATHWAYS

- College and university
- Irrigation Technician
- Landscape Business Owner
- Power Equipment Technician
- Interior Landscape Specialist
- Florist
- Arborist
- Land Surveyor
- Heavy Equipment Operator
- Landscape Designer
- Golf course superintendent

PROGRAM HIGHLIGHTS

- Three time FFA Nursery Landscape State Champions
- Floral Design
- Landscape Construction
- Turf Grass Management
- Arboriculture
- Irrigation Technology
- Power Equipment Repair
- Interior Landscape
- Land Surveying
- Heavy Equipment Operations
- Construction of Doran Park and athletic fields.
- Completion of the new Carpentry building
- Bourne Middle School Outdoor Classroom
- JML Construction

The new HVAC Program opened its doors in the fall of 2017 to incoming Upper Cape Tech freshmen. During freshmen year, this program focuses on safety, as well as general techniques for working with tubing, soldering, brazing, pipe bending and basic electrical wiring. Students learn about the mechanical refrigeration components, refrigerant recovery and basic installation techniques of cooling and heating systems and the associated duct work during sophomore year. Upperclassmen focus on jobsite safety and the installation, maintenance and operation of various heating, cooling and refrigeration systems including live community project work. Juniors and seniors can also take part in the school's cooperative education program.

The heating, ventilation and air conditioning industry provides essential services within the residential and commercial construction and maintenance industries. These indoor climate control systems continue to evolve in alignment with industry technological advancements and environmental concerns. Labor market studies show demand for skilled mechanics and technicians and offers any well-trained student various career opportunities within a growing local and regional industry. As a licensed trade, students enrolled in the HVAC program receive hours towards their refrigeration and sheet metal licenses.



ADDITIONAL INFORMATION

The Heating Ventilation and Air Conditioning (HVAC) Program provides the students with training opportunities with installation and maintenance of residential, commercial and industrial heating and cooling systems. This state-licensed trade program includes the study of natural gas, oil fired and electric heating, ventilation and cooling systems and their associated electronic components.

All program instruction is in accordance with the current Massachusetts Career Vocational Technical Education (CVTE) Frameworks guidelines.

CAREER PATHWAYS

- Residential HVAC Technician
- Commercial HVAC Technician
- Licensed Refrigeration Technician
- Installation and Repair Technician
- Business Owner
- General Contractor
- Energy Auditor
- Renewable Energy Consultant
- Construction and Facilities Manager
- Mechanical Engineer

PROGRAM HIGHLIGHTS

- OSHA 10-Hour Card
- Certified Trade Hours for Massachusetts State License
- EPA Core, Core 1 and Core 2 and Universal Certification
- R410A Safety Certification
- Commercial cooling, heating and refrigeration system installation
- Residential cooling, heating and refrigeration system installation
- Community HVAC project work
- HVAC system troubleshooting and repair



Information Technology

The information technology program is designed to prepare students with the knowledge and practical skills necessary for success in the high-tech field of information technology. Students will have the opportunity to develop a logical methodology in problem-solving skills while learn-

ing concepts and current trends in computer technology. Practical application of lecture-based material is employed in lab projects including animation techniques, graphics, illustration, and design.



Information Technology

CAREER PATHWAYS

- Application Specialist
- Hardware Technician
- Network Support Technician
- Network Administrator
- Web Developer
- Database Administration
- Health Care Technical Specialist
- Multimedia Specialist
- Network Engineer
- Software Engineer
- Web Developer
- Video Game Programmer
- Help Desk Technician

PROGRAM HIGHLIGHTS

- Programming games and office applications
- Upgrading and repairing PCs and laptops
- Creating websites using HTML, CSS, and JavaScript
- Building, and troubleshooting computer networks
- Installing and configuring Cisco rack mounted devices
- Operating systems installation, maintenance, and troubleshooting
- Installing, managing, and maintaining virtual and physical servers
- Help desk services

Marine Technology

This technical program provides training to students in the recreational marine repair industry, including operation, maintenance, repair, rebuilding and installation of onboard systems. Our students are taught two and four cycle engine theory, hull maintenance and repair, marine canvas fabrication and repair, gas and diesel engine operation and repair, and welding and precision metal fabrication. A large six bay, well equipped

shop features the latest tools, shop demonstrators, updated ventilation, and state-of-the art spray booth/prep station for fiberglass repair. Our students have fabricated a heavy duty hydraulic trailer for use with our Kubota tow vehicle and lifting/support equipment.



Marine Technology

ADDITIONAL INFORMATION

Students are eligible to apply for our Cooperative Employment Program during their junior and senior years. Students work for approved employers during their shop week and are compensated for their time.

The Upper Cape Tech boat is docked at the Bourne Marina and students are responsible for the operation and maintenance of the vessel.

CAREER PATHWAYS

- US Coast Guard
- Marine Mechanic
- Fiberglass Technician
- Rigger
- Marine Surveyor
- Dockmaster/Harbormaster
- Post secondary options

PROGRAM HIGHLIGHTS

- Boat hauling and launching
- Coast Guard and ABYC regulations
- Diagnosis, repair and overhaul of marine propulsion systems
- Electronic fuel and ignition systems
- Computer aided diagnostics
- Fiberglass fabrication, maintenance and repair techniques
- Gas and diesel engine repair
- Outboard engine repair
- Welding fabrication
- Marine canvas fabrication and repair
- Precision metal fabrication
- Winterization and shrink wrapping procedures

Plumbing & Heating

Students in the Plumbing & Heating program are provided with two years of in-school shop work during the 9th and 10th grades and two years of enhanced in-school shop work and on-the-job training in the 11th and 12th grades. Students work on various outside work projects for town and government buildings and Habitat for Humanity. Shop instruction covers safety, pipe fitting, rough and finish plumbing of simu-

lated houses, gas boiler, and water heater installations. Massachusetts plumbing and gas codes, science, math, blueprint reading and sketching are taught in trade theory classes. Academic skills are strengthened as students perform a variety of industry-related skills such as interpreting the state plumbing code, completing permit applications, solving trade related math problems, and generating job orders and invoices.



Plumbing & Heating

ADDITIONAL INFORMATION

Eligible students can find employment through the Cooperative Employment Program in their junior and senior years. All shop and theory hours gained are credited toward state licensing for the Massachusetts Journeyman Plumbers test. Students can earn up to one year of field credit and complete the first 3 tiers of theory towards licensure.

CAREER PATHWAYS

- Apprentice Plumber-private contractor or union
- Licensed Journeyman Plumber
- Licensed Master Plumber
- Licensed Gas Fitter
- Self-Employed Plumbing and Heating Contractor
- Pipefitter
- Plumbing Supply Worker
- Sprinkler Fitter
- Water Treatment Plant Worker
- Facilities/Maintenance

PROGRAM HIGHLIGHTS

- Natural gas supply and distribution
- Blueprint reading
- Hydronic heating installations
- State plumbing codes
- Sanitary drainage wastes & vents (DWV)
- Water heater installation (direct, indirect, and tankless systems)
- Maintaining and repairing plumbing and heating systems
- Residential plumbing fixture installations
- Commercial plumbing fixture installations
- OSHA 10-Hour Safety Certification
- CAD (Computer Assisted Drafting) classes
- Plumbing and maintenance work throughout school building

Veterinary Science

The Veterinary Science Program was started at Upper Cape Tech in the fall of 2019. During the start of the 2020-2021 school year, the new Veterinary Science facility, built by Upper Cape Tech students and teachers, was opened on the school's campus. This new facility has two laboratory areas, a classroom, a surgery suite, a dental suite, an exam room, a grooming room and an x-ray room. The building is outfitted with state-of-the-art equipment which students use to provide care for and diagnosis of various ailments on domesticated animals.

Students enrolled in this program will work under the guidance of their

veterinarian instructor on live animals and in simulated labs. Students will also regularly visit various local clinics, animal rehabilitation facilities, farms and animal shelters to broaden their experiences and skill set.

Upon graduating from the Veterinary Science Program, students will have various entry-level career opportunities within the local animal science and veterinary fields. Students choosing to go onto college to continue their studies in this field will have a solid background and experience to be successful in their coursework.



Veterinary Science

ADDITIONAL INFORMATION

Fear Free Certification
Animal CPR Certification
OSHA 10-Hour General Industry Certification
Program Highlights
Student FFA Membership
Animal Sciences
Vet Assisting Skills
Caring for Live Animals
Clinical Site Visits
Behind the Scenes at the Zoo
Local Horse Farm Visits
Weekly Grooming Clinic

CAREER PATHWAYS

- Animal Care and Service Workers
- Medical and Clinical Laboratory Technologists and Technicians
- Phlebotomists
- Radiologic and MRI Technologists
- Surgical Technologists
- Veterinary Assistant
- Laboratory Animal Caretaker
- Dog Grooming
- Pathway to Vet-Tech
- College Pathway to Veterinarian



Special Education Services

Our Special Education Department recognizes and supports the importance of individualizing the educational experience to meet the unique needs of each student. A continuum of placements and services are available to meet the needs of all students with disabilities including:

- Specially designed, individual and small group instruction
- Co-taught classes (one Special Educator and one General Educator)
- Inclusion classes supported by Special Education staff (teacher/related service provider/paraprofessional)
- General Education Classes with consultation and related services
- Targeted after-school support by Special Education staff (teacher/paraprofessional)

Exploratory

All ninth grade students participate in an Exploratory Program. The exploratory program consists of two phases. During the first phase students will explore all thirteen of UCT's technical programs for one-day each. This experience will provide students with knowledge about each program and assist them in choosing technical programs for the week-long exploratory phase. The week-long exploratory phase will allow students to explore five technical programs for one week each. During the exploratory period, students will receive counseling in the areas of decision-making and career planning, and will participate in a computerized career assessment. Permanent shop placement will be determined at the end of the exploratory cycle, based upon performance evaluations throughout the exploratory program.

Articulation Agreements

The UCT faculty members work with faculty from various institutions of higher education to create and maintain formal agreements that award college credit to UCT graduates upon enrollment. The criteria for accessing the credit varies from one institution to the next, but typically required students to earn grades of B or better in technical and related coursework. Counselors work closely with students to make sure they are aware of these opportunities. Seven of UCT's technical programs are eligible for articulated credit at the fifteen community colleges in Massachusetts through Statewide Articulation Agreements. In addition, UCT maintains agreements with other institutions, including Johnson & Wales University, New England Institute of Technology, The Culinary Institute of America, University of Northwestern Ohio, and Keene State College.

Articulated credits are available through one or more agreements in the following technical programs: Auto Collision Repair, Automotive Technology, Carpentry, Culinary Arts, Electrical, Engineering Technology, Environmental Technology, Health Technology, HVAC, Information Technology and Marine Technology.

*(*Technical programs at UCT with Statewide Articulation Agreements; Students may access credit for these programs at any of the 15 community colleges across Massachusetts.)*

Career Assessment

Each fall, the CareerScope® assessment is administered to every ninth grade student. This comprehensive, computerized assessment measures both interests and aptitudes, and provides a detailed, individualized report for each student. Counselors review the results with students to help them interpret the results. The report may assist students in considering technical programs that are a "good fit".

Career Planning

All UCT students are required to complete a four year career plan. Counselor and teachers work collaboratively to provide opportunities for students to explore opportunities, set and revise goals, and plan accordingly. UCT uses the MassHire Career Information System as a career planning platform.

Guidance Department Programs

Upper Cape Tech students choose many different paths following graduation. Our school counselors work diligently to expose students to all of their opportunities and encourage all students to challenge themselves. Annual programs include:

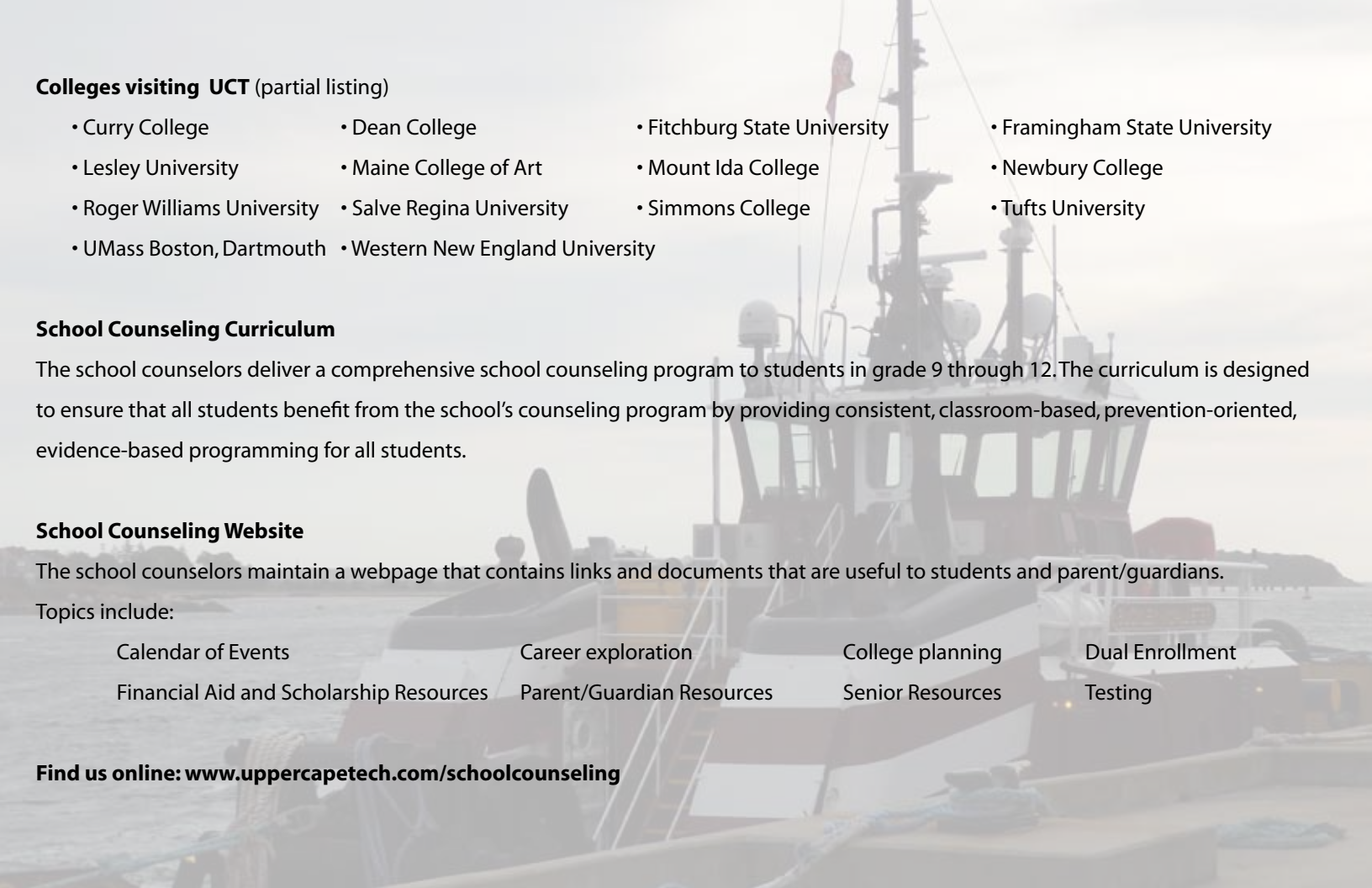
- PSAT testing
- Financial Aid parent presentation
- FAFSA DAY Massachusetts regional host site
- ASVAB testing
- Junior Parent College Planning program
- Annual College Fair
- Career Placement Fair
- On the Spot Admissions Programs

Post secondary placement, Plans of High School Graduates, Class of 2019:

34%, four year colleges/universities	23%, two year institutions	2%, other post-secondary institutions
5%, military enlistment	36%, work	

Post Secondary Fair Participants (partial listing)

- | | | | |
|--------------------------|-----------------------------------|-------------------------------------|----------------------------------|
| • Assumption College | • Bridgewater State University | • Bryant University | • Drew University |
| • Fisher College | • Florida Institute of Technology | • Franklin Pierce University | • Johnson & Wales University |
| • Keene State University | • Lasell University | • Lyndon State University | • Massachusetts Maritime Academy |
| • Merrimack College | • Nichols College | • Plymouth State University | • Regis College |
| • St. Anselm College | • University of Maine | • Wentworth Institute of Technology | • Western New England University |



Colleges visiting UCT (partial listing)

- Curry College
- Dean College
- Fitchburg State University
- Framingham State University
- Lesley University
- Maine College of Art
- Mount Ida College
- Newbury College
- Roger Williams University
- Salve Regina University
- Simmons College
- Tufts University
- UMass Boston, Dartmouth
- Western New England University

School Counseling Curriculum

The school counselors deliver a comprehensive school counseling program to students in grade 9 through 12. The curriculum is designed to ensure that all students benefit from the school's counseling program by providing consistent, classroom-based, prevention-oriented, evidence-based programming for all students.

School Counseling Website

The school counselors maintain a webpage that contains links and documents that are useful to students and parent/guardians.

Topics include:

- | | | | |
|---|---------------------------|------------------|-----------------|
| Calendar of Events | Career exploration | College planning | Dual Enrollment |
| Financial Aid and Scholarship Resources | Parent/Guardian Resources | Senior Resources | Testing |

Find us online: www.uppercapetech.com/schoolcounseling

Partial listing of colleges attended by Upper Cape Tech graduates over the last four years:

Anna Maria College

Baton Rouge Community College

Becker College

Bridgewater State University

Bristol Community College

Bunker Hill Community College

Campbell University

Cape Cod Community College

Cape Fear Community College

Champlain College

Clemson University

Culinary Institute of America

Curry College

Dean College

DePaul University

DeSales University

Eastern Connecticut State University

Emerson College

Endicott College

Fitchburg State University

Florida Institute of Technology

Framingham State University

Franklin Pierce University

Front Range Community College

George Mason University

Goucher College

Johnson & Wales University

Lasell College

Lynn University

Maine Maritime Academy

Marymount Manhattan College

Massachusetts Maritime Academy

Massasoit Community College

Merrimack College

Mount Ida College

New England College

New England Institute of Technology

Nichols College

Northern Vermont University

Norwich University

Pace University

Plymouth State University

Regis College

Rochester Institute of Technology

Roger Williams University

Salem State University

Salve Regina University

Simmons University

Southern New Hampshire

Springfield College

Springfield Technical Community College

Stonehill College

Union College

Unity College

University of Maine, Orono

University of Maine, Presque Isle

University of Massachusetts Amherst

University of Massachusetts Boston

University of Massachusetts Dartmouth

University of Massachusetts Lowell

University of New Hampshire

University of North Carolina Wilmington

University of Northwestern Ohio

University of Oklahoma

University of Rhode Island

University of Southern Maine

Utah Valley University

Vermont Technical College

Wentworth Institute of Technology

Westfield State University

White Mountains Community College

Worcester Polytechnic Institute

Worcester State University

UCT strives to prepare students for options after graduation. Our course offerings are constantly evolving to meet the changing requirements for post-secondary education. Visit our website, www.uppercapetech.com, for the most up to date program of studies.

	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES
9	College Prep English 1	College Prep Algebra 1 Honors Algebra 2	College Prep Biology	College Prep World History
10	College Prep English 2 Honors English 2	College Prep Geometry Honors Geometry	College Prep Technology/Engineering Honors Technology/Engineering	College Prep United States History Honors United States History
11	College Prep English 3 Honors English 3	College Prep Algebra 2 Honors Trigonometry	College Prep Chemistry Honors Chemistry	
12	College Prep English 4 AP Literature & Composition	Business Analysis Math College Prep Quantitative Reasoning College Prep Precalculus Honors Calculus	College Prep Physics College Prep Marine Biology Honors Physics Honors Biochemistry	

Additional coursework, including technical theory classes and elective courses in science and social studies, may be based upon a student's technical program. Some of the additional courses may be available at the Honors level.



Upper Cape Tech offers eligible seniors and mid-year juniors a co-operative work experience where students attend paid employment during shop week. Co-operative education enriches the student's shop education by providing students an opportunity to experience the demands of real life employment related to their technical areas. Students not attending postsecondary education often stay with their co-op employment after graduation.

In 2019-20, 134 students in good standing participated in Upper Cape Tech's highly successful co-operative education program. Listed below are just a few of the companies where some of our recent participants have been placed:

A.D. Makepeace Co.
ADR Lawn Care
Aline Architecture
All American Assisted Living
Ambulatory Surgery & Laser Center of Cape Cod
Arabella Salon
Ariston Thermo USA, LLC
Artisan Bake Shop
Artistic Grounds
Atlantic Compressor & Vacuum
Atlantic Country Club
Atlantic Subaru
Atria Woodbriar Park
Aubuchon Hardware
AutoZone
Aveda Elcoco Salon
Barrett Plumbing & Heating
Battles Buick GMC
Battles Nissan
Baynes Electrical Supply
BBL Home Improvement
Benjamin Thomas Carpentry
Bennett Plumbing & Heating
Big Wave Craigs
Bosun's Assets & Operations
Bourne Manor Nursing Home

Brennan and CO, LLC
Bridges of Epoch of Mashpee
Bright Ideas Childcare
Brush Salon Corp.
Caliri Plumbing & Heating
Cannon Plumbing & Heating
Cape Associates, Inc.
Cape Auto Body
Cape Cod Aggregates
Cape Cod Express
Cape Cod Senior Residences
Cape Cod Shipbuilding Company
Cape Heritage Rehabilitation & Healthcare
Capeway Plumbing & Heating
Carl F. Reidell and Son Plumbing
Chatham Sheet Metal
Check Collision
Chili's Grill & Bar
City Electric Supply Company
Clover Landscaping
Coastal Life Companies
Commercial Electrical Solutions
Concord Electric Supply
Continental Marina
Convention Data Services
Cornerstone Creations Inc DBA Beth's Bakery

Culhane Carpentry, LLC
Dale Tree Farm, East Falmouth
Dave W. Crane LTD.
Decatur House, Sandwich
Dorothy Cox's Candies
Douglas A Brown Inc.
DRT Heating & Air Conditioning
Duffany Builders
Dunkin Donuts
DW Crane
Eastman's Hardware
EAV Solutions, LLC
EJ Jaxtimer
Ellis Plumbing Inc.
Ellis Plumbing, Inc.
Envirotech Laboratories, Inc
Estia Restaurant
F.W. Webb
Falcon Golf Course
Falmouth Auto Center
Falmouth Auto Works
Falmouth Energy
Falmouth Lumber
Falmouth Toyota
Foster Creative Designs
Freedom Boat Club

Fronius Electric, LLC
Fuller Electric Company
Ghelfi's Candies
Glynn Electric
Greener Image Landscaping
Hamilton Tree & Landscape
Hannah Shaw Home
HD Knowlton
Headlines
Hyannis Marina
Hyannis Yacht Club
Indian Cove Aquaculture
JC Engineering
JC Penney Salon
Jensen Landscapes
JML Care Center
Joe Ores Carpentry, Inc.
John J. Maurer, Inc.
Joseph Agrillo Jr. Inc
JS Digiano Contractors
Kappy's Liquors
Keystone Place
Kool Kone
Little Bay Boatworks, LLC
LRB Enterprises
M. Duffany Builders
MacDougalls
Mahoney's Garden Center
Maison Villatte
Maloney Plumbing
Marshland Too
Mass Automation Corporation
McDonald's
Michael Golden Plumbing & Heating
Midas Auto Repair

Miller Starbuck Construction
Miskovsky Landscaping
MJD Plumbing & Heating, Inc.
MK Pasic Plumbing & Heating
ML Kneeland Plumbing & Heating
Muto Inc.
Niemi Electric Co, Inc.
Notch your Average Tree Service
O'Hara Motors, Inc.
Oceanside Electric
Olson's Garden Center
Onset Water Department
Oyster Harbors Marine
P.A. Landers
Parkers Boatyard
Peter Santello Plumbing
Plimouth Plantation
Plymouth Rehabilitation & Healthcare Center
Prime Subaru
Quality Mechanical Systems
RCA Electrical
Reilly Electrical
RJ Franey Mechanical
Robert T. Bowman Builder
Robertson's Auto Body
Robies, Hyannis
Ronald Nurse Plumbing
Royal Nursing Center
Russell Kriehn Electric
Safe Sweep Chimney
Salon 151
Saltworks Marine, LLC
Scott & Sons Electric
Scott Crosby Builder, Inc.
Shepley Wood Products

SHM Fiddler's Cove
SHM Onset Bay
Sippican Healthcare Center
Snow & Jones
Spark Technologies
Spaulding Cape Cod
State Electric Corp.
Sullivan Tire and Auto Services
SuperCuts
Swift Marine Services, LLC
Sylvester Building Movers
Sylvia Electric
TC Tyndall & Clark Plumbing
Terrance Souza Builders
Thayers Landscape & Design
The Blueberry Muffin
The Boat Butler
The Club at New Seabury
The Comfort Man
The Mac Express
The Tremont
Thomas O'Connor Electrical
Town of Mattapoisett.
Town of Sandwich, Sandwich
Uncle Jon's Coffee
Unveiled Seafood, Inc.
Vel's Restaurant
Volvo Cars of Plymouth
W. Vernon Whiteley Plumbing & Heating, Inc.
Walter Smith Plumbing
Wareham Wastewater Treatment Facility
Wenzel's Autobody
Whitewood Kitchens
WJ Webber Enterprises
Zecco Marine

EXTRA CURRICULAR ACTIVITIES

Interact Club

The Interact Club is a community-service club for youths ages 12-18 who want to connect with others in their community or school. Interact Club members have fun while carrying out service projects and learning about the world.

National Honor Society

The National Honor Society (NHS) is the nation's premier organization established to recognize outstanding high school students.

Non-Traditional Club

A support group for students who are engaged in non-traditional educational and occupational pursuits for their gender.

SADD

SADD has developed into a peer leadership organization dedicated to preventing destructive decisions, particularly underage drinking, other drug use, impaired driving, teen violence and teen depression and suicide.

School Newspaper

Student Council

Participate in student government and get a better understanding of responsibilities of the individual in a democratic society and the principles of democratic government . Develop good citizenship.

Yearbook

Seniors, join the staff of Upper Cape Tech's yearbook. We need students to take pictures, write copy, sell ads, and help with layout. Make your Senior Class Yearbook special.

Skills USA

Skills USA is a national organization serving a quarter-million high school and college students and professional members who are enrolled in technical, skilled, and service occupations, including health occupations.

FFA

FFA is an intercurricular student organization for those interested in agriculture and leadership. FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education.

Drama Club/Canalside Players

Human Rights Club

Book Club/Literary Society



UCT has a proud athletic heritage. Students may try out for a total of 28 sports teams.

Fall Season

Varsity Football
Junior Varsity Football
Freshman Football
Boys Varsity Soccer
Boys Junior Varsity Soccer
Girls Varsity Soccer
Girls Junior Varsity Soccer
Boys Varsity Cross Country
Girls Varsity Cross Country
Varsity Golf
Girls Varsity Volleyball
Girls Junior Varsity Volleyball
Cheerleading

Winter Season

Girls Varsity Basketball
Girls Junior Varsity Basketball
Boys Varsity Basketball
Boys Junior Varsity Basketball
Boys Freshman Basketball
Varsity Hockey
Cheerleading
Boys Varsity Wrestling

Spring Season

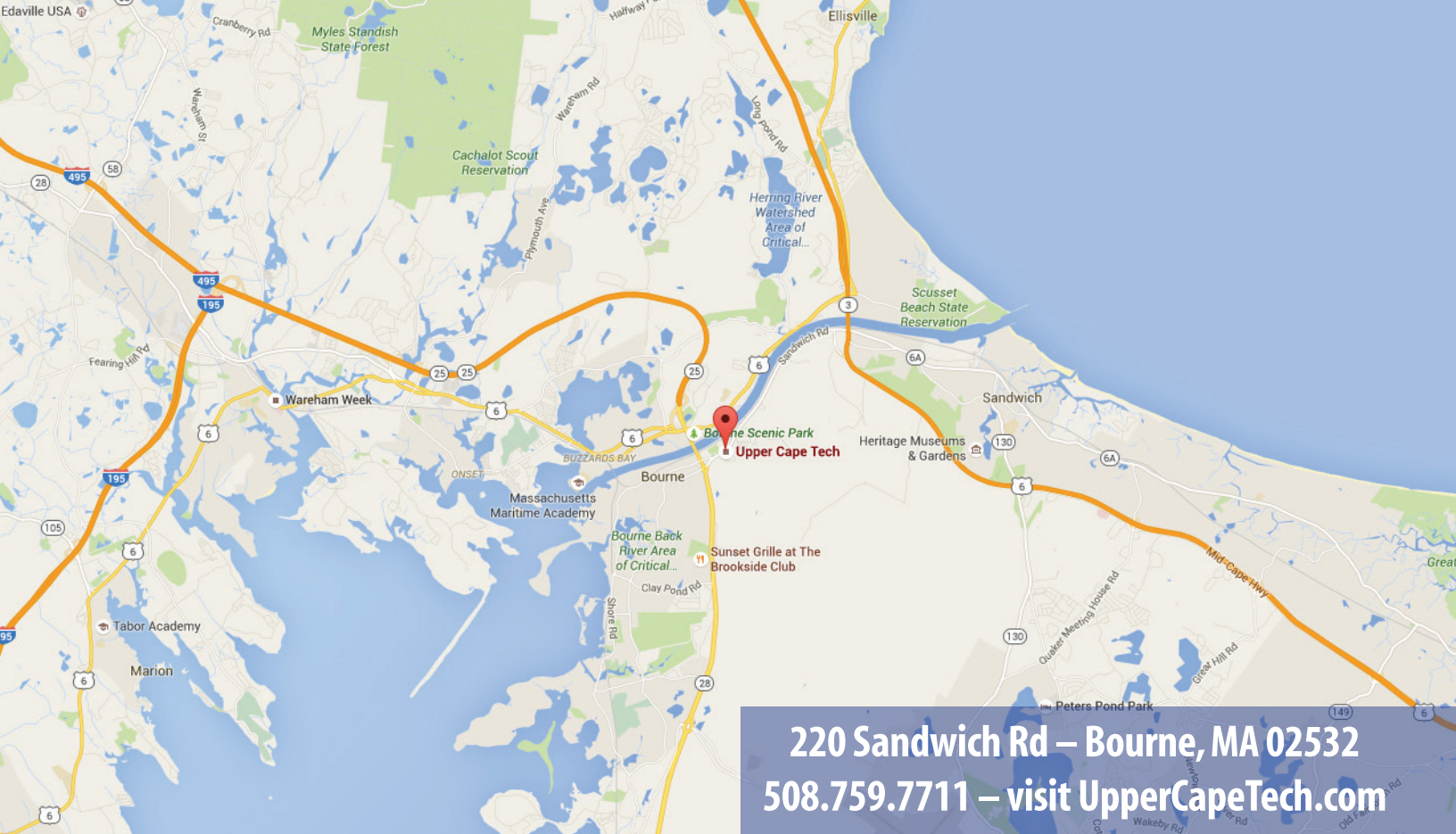
Varsity Baseball
Junior Varsity Baseball
Boys Varsity Lacrosse
Boys Junior Varsity Lacrosse
Varsity Softball
Junior Varsity Softball
Girls Varsity Lacrosse

UCT Athletics

INDEX

Automotive Collision Repair.....	2	Marine Technology	26
Automotive Technology	4	Plumbing & Heating	28
Carpentry	6	Veterinary Science.....	30
Cosmetology	8	Special ED, Exploratory	32
Culinary Arts	10	Articulation, Career Assessment	33
Electrical	12	Career Planning, Guidance.....	34
Engineering Technology	14	School Counseling	35
Environmental Science & Technology	16	Colleges Attended by UCT Students	36
Health Technology	18	Course Offerings.....	38
Horticulture	20	Co-Op Program	40
HVAC	22	Extra Curricular.....	42
Information Technology	24	Sports.....	43





220 Sandwich Rd – Bourne, MA 02532
508.759.7711 – visit UpperCapeTech.com

As a regional school, Upper Cape Cod Tech functions as its own district and serves students from five nearby communities: Bourne, Falmouth, Sandwich, Wareham, and Marion.

A serene sunset scene with the sun low on the horizon, casting a golden glow across the sky and reflecting on the calm water. The text is overlaid on this background.

**A WORLD OF OPPORTUNITIES
AWAITS YOU AT
UPPER CAPE TECH...**

220 Sandwich Rd — Bourne, MA 02532

508.759.7711 — visit UpperCapeTech.com