



LEARN BY DOING



*We're gearing up for another exciting year at BTC.
We're always assessing and adapting to our communities'
changing needs, and we continue to upgrade our
equipment, supplies, and facilities to stay competitive.*

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FOLLOW YOUR PASSION AT BURLINGTON TECHNICAL CENTER

A LETTER FROM OUR DIRECTOR

Burlington Technical Center has helped high school students and adult learners explore their interests and take steps toward incredible careers since 1968. In my initial interview for the Director's position, a school board member referred to BTC as a "gem" within our school community. BTC is a high quality academic and technical skills leader serving all students, and it promotes college and career readiness. We want every student to leave high school with a college or career plan.

BTC offers robust half-day programs for high school students and evening programs for adult learners. These programs help students of all ages build skills, attain professional certifications, connect with industry professionals, and earn dual-enrollment college credits. Students can earn as many as 17 college-level credits while they're still in high school.

Over the past few years we have launched several new programs, including Pre-Technical Design for 9th and 10th graders, Advanced Manufacturing & Engineering for a Sustainable Future for 11th and 12th graders, and Intro to Healthcare, where students can earn their Licensed Nursing Assistant (LNA) certification.

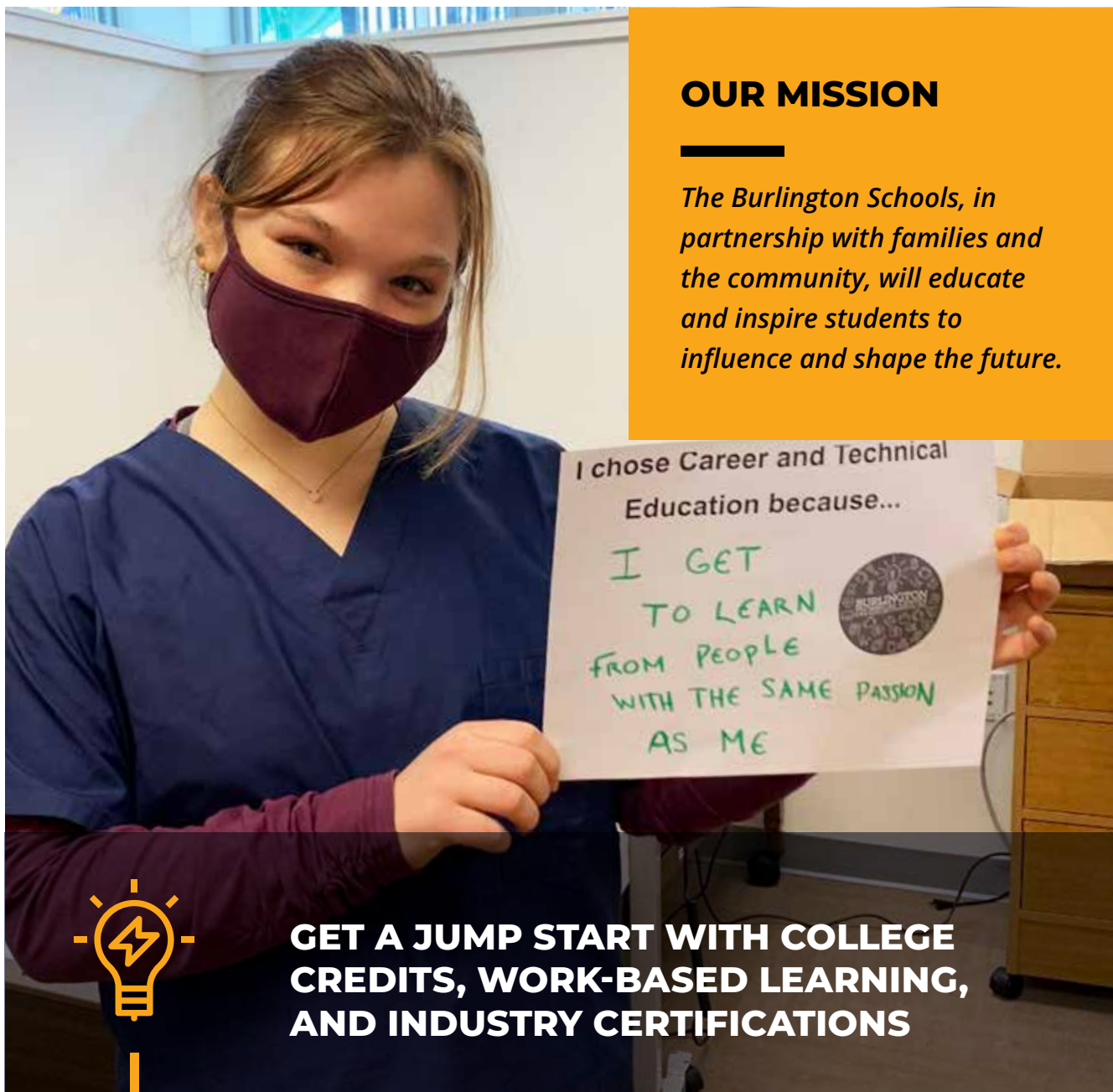
We've collaborated with students and industry professionals around our region to ensure BTC students are developing college and career pathways after high school. Our goal is for every graduate to be enrolled in a post-secondary school or training, employed in a career related to their program field, or using their skills in the service of our country.

We have an excellent teaching and support staff here at BTC, committed to challenging and mentoring students to new heights. We believe by combining strong relationships, real world experience, and high-quality academic and technical instruction, we will help students be college and career ready.

Take a look through our offerings, and imagine what it would be like to spend a part of each school day immersed in work you find interesting and challenging. Then come for a visit and see it all for yourself. I look forward to welcoming you.



JASON GINGOLD
Director, Burlington Technical Center



OUR MISSION

The Burlington Schools, in partnership with families and the community, will educate and inspire students to influence and shape the future.



GET A JUMP START WITH COLLEGE CREDITS, WORK-BASED LEARNING, AND INDUSTRY CERTIFICATIONS



DUAL ENROLLMENT AND FAST FORWARD

Our programs offer students between three and 17 Dual Enrollment/Fast Forward college credits for free or at a significantly reduced rate. The opportunity to build a college transcript with transferable credits is valuable for students pursuing post secondary education goals in a number of ways. First, it can significantly reduce the cost of a college education. Second, it can help students complete their introductory courses while still in high school, allowing

them to focus on more advanced courses at the college or university level.

In addition to the Dual Enrollment course vouchers students receive from their sending high school, they may also use additional Fast Forward vouchers, which are only offered through technical centers. Additional Fast Forward courses may be added free of charge.

Burlington Technical Center gives students the opportunity to explore careers and acquire skills in a wide range of technical programs of study. We support students as they work toward individual goals through immersive, hands-on learning with highly trained and industry-certified professional instructors.

Students are introduced to experts in their career fields through in-house presentations and visits to job sites. They're trained in state-of-the-art labs and classrooms, and through work-based learning, they are able to sample their chosen field of study while making connections that could lead to employment after graduation.

Once students have chosen the program they wish to pursue, they will find themselves in a classroom with peers who are passionate about their learning and who are working to develop college and career opportunities for themselves after high school.

Students attend BTC for two hours daily, either in our morning or afternoon session. Students develop technical knowledge and skills at BTC while continuing to attend classes at their sending high school during the rest of the day.

Our two-year technical programs are available in

11 fields of study to juniors and seniors. Students who complete a technical program will be awarded six high school credits, along with Vermont High School proficiencies that count toward their school's proficiency-based graduation requirements. In addition, many of our programs offer dual enrollment (college) credits through articulation agreements with local colleges and universities.

BTC also offers a one-year Tech Foundational Program (Design Tech) for freshmen and sophomores. Students who complete the Tech Foundational program will be awarded three high school credits.

All of our programs support students' Personalized Learning Plan goals, offering Flexible Pathways to graduation, careers, and college through high school credits, dual enrollment/college credits, internships and work-based learning opportunities, and industry recognized credentials and licenses.



PROFESSIONAL CERTIFICATIONS

Many BTC programs offer pathways for students to earn professional certifications, industry-recognized credentials and licenses related to their technical fields of study. These can help students secure a job after graduation, or gain admission to the college of their choice.



WORK-BASED LEARNING

Work-based learning gives students real-life work experiences that enhance their academic instruction. Students apply the skills and content knowledge they've been learning in their technical programs to real-life employment settings, working hands-on with professionals and employers in their field. Students who choose to participate in work-based learning may also be eligible for paid work positions through our partnerships with local businesses.

Types of work-based learning:

JOB SHADOWING allows students to see if the perception they have about a career field is the same as the reality of that career.

INTERNSHIPS are unpaid work experiences where students spend a period of time with an employer who is willing to give them specific training in their career field.

COOPERATIVE WORK EXPERIENCES, or co-ops, allow students with appropriate skills to work in an actual paid job, typically during the program's regularly-scheduled class time. Co-op is an excellent opportunity for students to make money, enhance skills, and build their resume. Students work with BTC's work-based learning coordinator to create resumes, develop interview skills, and hone other skills that will help them find a job in their chosen field or get into college.

ADVANCED MANUFACTURING & ENGINEERING

ABOUT THE PROGRAM

Advanced Manufacturing students learn the fundamental aspects of manufacturing, engineering, and design processes through both academic work and hands-on experience. Students complete a number of projects throughout the year that are designed to increase their ability to conceptualize a product, design that product, manufacture that product, and then evaluate the process from beginning to end.

Throughout the year, students progressively increase their knowledge in four target areas:

- Precision measurement: English and Metric
- Communication: presentation, mechanical drawing, and 3D design using SolidWorks
- Fabrication: sheet metal, welding, machining, 3D printing
- Data analysis: MS Excel or equivalent

THE SCHEDULE

YEAR 1

1 SCIENCE CREDIT
1 MATH CREDIT
1 ELECTIVE CREDIT

YEAR 2

1 SCIENCE CREDIT
1 MATH CREDIT
1 ELECTIVE CREDIT



The main thing that attracted me to the program was the hands-on learning. I know that every day I come here, it's going to be something fun and different."

// AME STUDENT //

CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING

Students can earn certifications in areas such as safety, 3D design, and welding. They also have an opportunity to participate in annual SkillsUSA competitions.



INDUSTRY RECOGNIZED CERTIFICATION

- Certified Production Technician through the Manufacturing Skill Standards Council



DUAL ENROLLMENT // COLLEGE CREDIT OPPORTUNITIES

Community College of Vermont:

- Principles of Manufacturing (3.0 Credits)
- Manufacturing Technology (3.0 Credits)

Vermont Technical College:

- Intro to Mechanical Technology (1.0 Credits)
- Design Communication I (2.0 Credits)
- Manufacturing Processes I (2.0 Credits)

Students have the opportunity to earn up to 11 college credits.



CAREER PATHWAYS & AVERAGE SALARIES

Assembler	\$28,300
Process Technician	\$32,530
Construction Worker	\$34,000
Custom Fabricator	\$36,450
Welder / Fabricator	\$38,500
Machinist	\$39,200
Quality Control	\$39,400
Equipment/Industrial Sales	\$45,400
Business Owner	\$59,000
Weld Inspector	\$63,200
Engineer	\$68,200



PROGRAM OUTCOMES

Students who complete this program will have the skills they need to successfully enter the workforce or go on to a rigorous college program.



AUTO BODY REPAIR



”

The part of the program here that really excites me is painting and body work. I really like the aesthetic of cars. It's a creative outlet for me.

// ABR STUDENT //

ABOUT THE PROGRAM

Students who are successful in this program acquire the knowledge and skills they need to repair and refinish vehicles through a rigorous curriculum with a hands-on, minds-on approach. Using lessons and vocabulary learned in the classroom, students apply research and problem-solving skills in a scientific way to diagnose and repair vehicles as well as keep up with technological advancements and changes. Students learn to work both independently and as part of a team. Throughout both years of study, a strong emphasis is placed on safety.

Classroom activities include lectures, reading, writing, math, and problem solving. Practical

work taught throughout the course includes metal straightening, basic MIG welding, spray painting, paint mixing, estimating, and polishing. Units of study include safety, hand and power tool use, measuring, fasteners and materials, nonstructural repairs, refinishing, and estimating.

Students who complete the program can obtain certificates for S/P2 Safety and Pollution Prevention, as well as I-CAR, an industry leader in training and knowledge. These certifications help prepare students for successful careers in Auto Body Repair and provide a foundation for lifelong learning.



CAREER PATHWAYS & AVERAGE SALARIES



PROGRAM OUTCOMES

Students who successfully complete this program can enter the workforce directly and confidently, or continue their studies at colleges and trade schools.



Detailer	\$27,000
Parts Specialist	\$30,000
Welder	\$37,300
Automotive Refinisher	\$43,500
Auto Body Technician	\$47,300
Shop Owner	\$51,900
Glass Technician	\$54,100
Estimator	\$55,900
Sheet Metal Technician	\$56,100
Insurance Appraiser	\$60,700
Shop Manager/Foreman	\$73,300

THE SCHEDULE

YEAR 1

3 ELECTIVE CREDITS

YEAR 2

1 SCIENCE CREDIT
2 ELECTIVE CREDITS

CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING



INDUSTRY RECOGNIZED CERTIFICATIONS

S/P2 Certification: Mechanical Safety; Mechanical Pollution Prevention; Ethics and You in the Auto Industry; Land That Job: Interview Skills for Automotive Students

ASE Certification: Automotive Service E-Learning

Students also have access to I-CAR Intro to Collision Repair Series Certificates and Ford ACE Training.



DUAL ENROLLMENT // COLLEGE CREDIT OPPORTUNITIES

Qualified students can earn guaranteed admission and up to six college credits in the GM Automotive Associate's Degree Program at New Hampshire Technical College (Laconia); and six college credits at the University of Northwestern Ohio.



LEADERSHIP OPPORTUNITIES

National Technical Honor Society

AUTOMOTIVE SCIENCE & TECHNOLOGY



ABOUT THE PROGRAM

Automotive Science & Technology is a two-year program that meets for just over two hours per day, five days per week. The rigorous curriculum is designed to prepare students for college and/or a wide range of career opportunities.

Common Core and National Science standards are an integral part of the Automotive Science & Technology curriculum and students study scientific principles as they're applied to the design, operation and service of a modern automobile. Students will learn how engines

work, how to troubleshoot common engine problems and fuel system issues, and how to analyze and complete vehicle manufacture repair algorithms. As part of their classwork, students disassemble a modern vehicle engine, use micrometers and dial indicators to measure engine components, build and test electrical circuits, complete basic vehicle maintenance procedures and operate machinery associated with lifting a car, changing / balancing wheels and performing wheel alignments.

THE SCHEDULE

YEAR 1

3 ELECTIVE CREDITS

YEAR 2

1 SCIENCE CREDIT
2 ELECTIVE CREDITS
1 MATH CREDIT*

**recommended with
independent study*

CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING



INDUSTRY RECOGNIZED CERTIFICATION

S/P2 Certification: Mechanical Safety, Mechanical Pollution Prevention, Ethics and you in the Automotive Industry, Land That Job: Interview Skills for Automotive Students

ASE Certification: Automotive Service E-Learning

Students also have access to the Pennzoil Information Program and Valvoline Motor Oil Basics.



DUAL ENROLLMENT // COLLEGE CREDIT OPPORTUNITIES

Qualified students can earn guaranteed admission status and up to six college credits in the General Motors-Automotive Associate's Degree Program at New Hampshire Technical College (Laconia); and six college credits at the University of Northwestern Ohio.



LEADERSHIP OPPORTUNITIES

Students may qualify for National Technical Honor Society.



CAREER PATHWAYS & AVERAGE SALARIES

Small Engine Technician	\$37,800
Heating & Ventilating Technician	\$40,400
Automotive Service Technician	\$42,000
Industrial Machine Technician	\$47,700
Automotive Sales Associate	\$46,800
Automotive Service Advisor	\$48,500
Plumber	\$50,600
Heavy Equipment Technician	\$51,400
Electrician	\$59,100
Small Business Owner	\$71,900
Automotive Parts Manager	\$83,000
Electrical/Mechanical Engineer	\$89,900



It's not just learning how to fix cars. It's learning the science and technology of how they work. I think it's more fun than what we would be doing in the classroom.

// AST STUDENT //



PROGRAM OUTCOMES

While many graduates pursue further education or careers in the automotive industry, others have used the electro-mechanical knowledge and skills they've acquired to begin successful careers in related areas.

AVIATION & AEROSPACE TECHNOLOGY



”

I'd like to work for an airline in aircraft maintenance. I don't think I could've even comprehended how to get there without these first steps.

// AAT STUDENT //

ABOUT THE PROGRAM

The Aviation & Aerospace Technology program offers a highly technical and multidisciplinary curriculum that teaches students not only how aircraft work, but how to troubleshoot, inspect and maintain a variety of aircraft. Units include everything from the basics, like math and physics, to more advanced topics such as corrosion control, aircraft hardware, flight surfaces, and FAA rules and regulations.

We blend classroom theory with plenty of hands-on practical experience to prepare students for a future in aviation. Students

disassemble and reassemble piston and turbine engines, learn welding and the proper use of hand tools, and even learn how to run an aircraft on the ground.

In its recently released 2020 Pilot and Technician Outlook, Boeing is projecting that 763,000 new civil aviation pilots will be needed globally over the next 20 years. In addition, the report forecasts a need for 739,000 new aviation maintenance technicians and 903,000 new cabin crew members from 2020 to 2039.



CAREER PATHWAYS & AVERAGE SALARIES

CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING



INDUSTRY RECOGNIZED CERTIFICATION

Students can earn their Airframe & Powerplant (A&P) license and those who do may qualify for up to 67 college credits at Aviation related colleges and universities.



LEADERSHIP OPPORTUNITIES

Students may qualify for National Technical Honor Society and SkillsUSA.

Composite Fabricator	\$43,500
Aviation Manufacturing	\$44,500
Avionics Technician	\$53,600
Electrician	\$59,100
Aircraft Mechanic A&P	\$73,000
Research and Development Technician	\$75,400
Aircraft Manufacturing Engineer	\$80,000
Aerospace Engineer	\$109,800



THE SCHEDULE

YEAR 1

**3 ELECTIVE
CREDITS**

YEAR 2

**1 SCIENCE CREDIT
2 ELECTIVE CREDITS
1 MATH CREDIT**

PROGRAM OUTCOMES



Graduates may attend our satellite facility at the Burlington airport to continue their training and obtain their Airframe and Powerplant Mechanic Certificate. They may find jobs in almost any part of the U.S. in a wide range of well-paying occupations. Some graduates have continued their studies at college or flight school, while others have taken their skills into the U.S. armed forces as aircraft mechanics.

05

CULINARY ARTS

ABOUT THE PROGRAM

The Culinary Arts program encompasses many aspects of the foodservice industry, including practicing and mastering essential safety and sanitation standards, cooking and baking methods, menu and recipe development, nutrition, global cuisine, restaurant management, entrepreneurship, table service, and employability skills such as time management, communication and reliability. This program differs from a cooking or baking class that may be offered on a semester basis.

Culinary Arts is designed for students who are considering cooking, baking or a related area as a career. Students practice their skills by running a full service restaurant and fulfilling requests for special events and baked goods. Students also study and practice a wide range of culinary related careers such as food stylist, banquet chef, pastry chef, food scientist, food journalist, and food sales and marketing.

THE SCHEDULE

YEAR 1
3 ELECTIVE CREDITS
YEAR 2
**1 SCIENCE CREDIT
2 ELECTIVE CREDITS**


One day I'd be learning how to cook a new dough, and the next day I'd be learning knife skills. I'm definitely a more hands-on learner, and I like being able to learn a new thing every day.

// CA STUDENT //



CAREER PATHWAYS & AVERAGE SALARIES

CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING



INDUSTRY RECOGNIZED CERTIFICATIONS

ServSafe Food Handler, ServSafe Food Manager



DUAL ENROLLMENT // COLLEGE CREDIT OPPORTUNITIES

- Community College of Vermont (3 credits)
- SUNY Delhi Cooking Fundamentals (4 credits)
- Nashua Community College (3 credits)
- Castleton University (3 credits)
- Students have an opportunity to earn up to 13 college credits



WORK-BASED LEARNING

Students operate a restaurant as part of the culinary arts program.



LEADERSHIP OPPORTUNITIES

Students take part in SkillsUSA, ProStart, and Jr. Iron Chef competitions, and may qualify for the National Technical Honor Society.

Cafeteria Chef	\$24,200
Caterer	\$28,500
Professional Baker	\$35,100
Food Stylist and/or Food Writer	\$44,500
Sous Chef	\$47,700
Hospitality Management	\$50,500
Nutritional Consultant	\$54,000
Restaurant Manager	\$55,300
Pastry Chef	\$56,000
Executive Chef	\$63,800
Research Chef	\$70,300
Private/Personal Chef	\$71,300
Entrepreneur	\$71,900



PROGRAM OUTCOMES

Students who finish the Culinary Arts program may either enter the workforce or pursue a culinary arts or related hospitality degree at schools such as the Culinary Institute of America, Johnson and Wales, Castleton University and SUNY Delhi.



DESIGN & ILLUSTRATION

THE SCHEDULE

YEAR 1

3 ELECTIVE CREDITS

YEAR 2

1 FINE ART CREDIT
2 ELECTIVE CREDITS



ABOUT THE PROGRAM

Can you imagine spending more than two hours of your school day on art, every day? Our Design & Illustration students can. The Design & Illustration program helps students become masters in visual creative problem solving and self expression by immersing them in a wide array of artistic mediums.

Students study all aspects of graphic design on an iMac loaded with industry standard Adobe Creative Cloud software, while working towards mastering drawing techniques in our figure

drawing and still life studios. Students also keep a visual journal containing their paintings, collages, and sketches, and learn to take portraits and fine art photographs with a DSLR camera. Students also learn animation skills on a Wacom Cintiq digital illustration tablet. Design & Illustration exposes students to many artistic mediums and puts the best tools and technology in their hands, leading them to develop to a strong portfolio that will help them apply to college or enter a career after high school.



CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING



INDUSTRY RECOGNIZED CERTIFICATION

Adobe Associate Photoshop, Illustrator, InDesign, Portfolio



DUAL ENROLLMENT // COLLEGE CREDIT OPPORTUNITIES

- Drawing I
- Intro to Adobe CC
- Graphic Design I & II
- Digital Photography
- AP Studio Art
- Opportunity to earn up to 15 college credits



LEADERSHIP OPPORTUNITIES

Students may qualify for National Technical Honor Society and SkillsUSA.



PROGRAM OUTCOMES

Graduates of the program attend prestigious art schools liberal arts schools, often earning scholarships for their portfolios. Some students work at apprenticeships or enter the workforce directly. In recent years students have been accepted to Maine College of Art, MassArt, Savannah College of Art and Design, Rhode Island School of Design, Parsons, and the School of Museum of Fine Arts.



CAREER PATHWAYS & AVERAGE SALARIES

Craft artist	\$38,650
Graphic designer	\$38,800
Illustrator	\$41,900
Art therapist	\$45,700
Studio artist	\$50,500
Art instructor	\$55,000
Tattoo artist	\$63,600
Curator	\$64,200
Fashion designer	\$65,300
Social Media/Marketing specialist	\$65,800
Photographer	\$66,500
Animator	\$69,100
Art Director	\$70,000



I'm just grateful to be in this class, because it's giving me the opportunity to learn things that I wouldn't have learned on my own. And it's also giving me the skills and tools for my career after high school.

// DI STUDENT //

DIGITAL MEDIA LAB



ABOUT THE PROGRAM

Attention bedroom music producers and YouTube filmmakers: the Digital Media Lab (DML) is the place to take your passions to the next level, with industry standard tools, opportunities to collaborate with peers, and the support to master your craft.

Whether it's digital filmmaking, audio production, digital photography, podcasting, VFX or other emerging digital media, the Digital Media Lab gives students introductory instruction and ongoing support as they evolve their understanding of digital media into projects for exhibition and performance.

DML students get hands-on experience with extensive tools and resources, including our iMac lab with Adobe Creative Suite, BlackMagic Cinema cameras, dslr cameras, audio controllers, drones, gimbals, musical instruments, and DAWS (including Ableton, Logic, and Reason). This evolving set of tools gives students a strong foundation to develop the understanding and technical skills necessary to grow as producers.

DML is a collaborative environment where creative, ambitious students thrive in a project based curriculum, with opportunities for independent-focused work that aids in developing their artistic voice and vision. DML students are encouraged to enter film festivals and contests, participate in afterschool open studios and film clubs, and promote and exhibit their work in screenings and live performances.

THE SCHEDULE

YEAR 1

3 ELECTIVE CREDITS

YEAR 2

**1 SCIENCE CREDIT
2 ELECTIVE CREDITS**

PROGRAM OUTCOMES

Many DML students continue their education in filmmaking, audio production, music business, photography, and other majors utilizing their digital media production skills. Other students continue producing music and enter the workforce as video producers or photographers. Students have recently been accepted into Berkeley School of Music, Emerson University, Full Sail University, Los Angeles College of Music, Columbia College, and Savannah College of Art and Design.



We use a lot of high tech equipment, really the best of the best. It's awesome, because I don't think I would've gotten to use a lot of this outside of the program.

// DML STUDENT //

CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING



INDUSTRY RECOGNIZED CERTIFICATION

Portfolio, Adobe: Photoshop and Premiere



DUAL ENROLLMENT // COLLEGE CREDIT OPPORTUNITIES

- Intro to Adobe Creative Cloud (3 credits)
- Intro to Technology in Music (3 credits)
- Digital Filmmaking 1 (3 credits)
- Digital Filmmaking 2 (3 credits)

Students have the opportunity to earn up to 12 college credits.



CAREER PATHWAYS & AVERAGE SALARIES

Assistant Photographer	\$28,500
Sound technician	\$35,000
Lighting technician	\$38,700
Radio DJ	\$40,000
Assistant Editor	\$43,700
Production coordinator	\$47,300
Digital Video Editor	\$48,650
Public Relations Manager	\$50,100
Film/video editor	\$53,700
Runner, film/video	\$55,300
Digital Graphic Artist	\$57,100
Actor	\$57,800
Digital Audio Technician	\$58,000
Multimedia Designer	\$58,000
Cinematographer	\$59,100
Promotions specialist	\$63,400
Digital Imaging Manager	\$67,100
Advertising producer	\$70,300
Script Supervisor	\$72,000
Director	\$99,700



LEADERSHIP OPPORTUNITIES

Students may qualify for the National Technical Honor Society.

HEALTH SCIENCES ACADEMY



PROGRAM OUTCOMES

More than 95% of our students go on to schools such as Cornell University, Brown University, Northeastern University, Emory University, and The University of Vermont. And many have earned degrees as health care professionals.

THE SCHEDULE

YEAR 1

1 SCIENCE CREDIT
.5 SOCIAL STUDIES CREDITS
1.5 ELECTIVE CREDITS

YEAR 2

1 SCIENCE CREDIT
.5 HEALTH CREDIT
1.5 ELECTIVE CREDITS

ABOUT THE PROGRAM

The Health Sciences Academy immerses students in rigorous studies of anatomy and physiology, medical terminology, human growth and development, microbiology and nutrition. The program also offers hands-on learning in medical assessment techniques, vital signs, reflex testing, goniometry, electrocardiography, and diagnostic lab testing.

Students benefit from experiential learning including job shadowing

and simulated job interviews, and they perform research and develop presentations to explore their specific areas of interest. Students receive guidance in the college application process and complete a workplace skills unit geared to careers in health care, including job applications, resumes, cover letters, and interviews with UVM Medical Center recruiters.



CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING



INDUSTRY RECOGNIZED CERTIFICATION

- American Red Cross Certifications in: Adult and Pediatric CPR, Automated External Defibrillator, First Aid, Bloodborne Pathogens
- Medical Ethics (Medicalethicstraining.com)
- NHA Certified Phlebotomy Technician
- National Registry for Emergency Medical Technicians Certification



DUAL ENROLLMENT // COLLEGE CREDIT OPPORTUNITIES

Vermont Technical College:

- Anatomy and Physiology I & II (4 credits each)
- Human Growth and Development (3 credits)

Community College of Vermont:

- Introduction to Health Care (3 credits)
- Human Biology (3 credits)
- Medical Terminology (3 credits)



LEADERSHIP OPPORTUNITIES

Students may qualify for National Technical Honor Society.



I like that I get to earn college credits through the classes here, and still have my high school peers around me.

// HSA STUDENT //



CAREER PATHWAYS & AVERAGE SALARIES

Medical Assisting	\$36,400
Athletic Training	\$47,200
Nutrition	\$48,500
Nursing	\$60,200
Respiratory Therapy	\$62,500
Microbiology	\$65,400
Radiography	\$71,300
Medical Lab Science	\$72,600
Speech Pathology	\$80,000
Biomed Engineering	\$87,900
Physical Therapy	\$89,300
Occupational Therapy	\$90,000
Radiation Therapy	\$91,600
Veterinary Medicine	\$97,500
Genetics	\$101,500
Psychology	\$105,000
Physician Assistant	\$112,400
Pharmacist	\$138,400
Pathologist	\$203,900
Physician	\$243,000
Emergency Medicine Physician	\$292,600

HOMELAND SECURITY & CRIMINAL JUSTICE



ABOUT THE PROGRAM

In the Homeland Security and Criminal Justice program, students will be introduced to a variety of fields related to law enforcement, corrections, forensics, homeland security, emergency preparedness, juvenile justice, victim-services and law. As they explore contemporary issues in criminal justice, law and homeland security, students will gain insight into the ethical and legal obligations that will guide their conduct as future professionals in their field of interest. Field trips, guest speakers, the use of industry-specific equipment, simulated crime

scenes, and real-world scenarios will not only enhance classroom learning, but increase the foundational knowledge and skills needed to tackle the needs of a changing world.

Student learning culminates in the application of technical skills at state-wide competitions and through participation in nationwide campaigns allowing them to strengthen their practical skills and competencies while raising awareness in drug prevention, individual preparedness, and other matters pertaining to national security.

CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING



INDUSTRY RECOGNIZED CERTIFICATION

FEMA & Emergency Management Institute Law Enforcement Certifications, American Red Cross: Blood Borne Pathogens, First Aid/CPR/AED, CPR-Child, Infant and Adult

Students also partner with local and state agencies, including the Air National Guard Security Forces and TSA.



DUAL ENROLLMENT // COLLEGE CREDIT OPPORTUNITIES

Community College of Vermont:

- Intro to Criminal Justice (3.0 credits)
- Forensics (3.0 credits)



CAREER PATHWAYS & AVERAGE SALARIES

Military (Sergeant/Infantry)	\$38,100
Corrections	\$41,700
Probation / parole	\$47,900
Insurance industry	\$48,200
Law enforcement	\$53,500
Paralegal	\$55,000
Private security / investigations	\$57,100
State and Federal Agencies	\$67,600
Military Officer	\$83,700
Lawyer	\$144,200

THE SCHEDULE

YEAR 1

3 ELECTIVE CREDITS

YEAR 2

**2 ELECTIVE CREDITS
1 SOCIAL STUDIES CREDIT**

PROGRAM OUTCOMES



Approximately 50 percent of students who complete this program advance to Criminal Justice studies at the college level, while 40 percent enter the military and perform to exemplary standards.



You can be a state trooper, you can be an investigator, you can be a secret agent. It really opened my eyes about what I wanted to do in law enforcement. It's a really fun program.

// HSCJ STUDENT //



HUMAN SERVICES



I chose BTC's Human Services because I want to learn about early childhood education first hand. I also want to learn about different communities and different cultures and how they make an impact.

// HS STUDENT //

ABOUT THE PROGRAM

The Human Services program provides the foundational knowledge and skills needed to work with diverse groups of people in a range of entry level professions, including mental health, community development, respite and health care, and education. The study of human growth and development sets the framework for discoveries, discussions, and presentations of various topics such as human behavior, brain development, developmental psychology and sociology. Students sharpen their

interpersonal communication skills, reflect on and assess human behavior in a variety of settings, and have opportunities to develop projects that make a difference in their communities. Students take advantage of work-based learning opportunities by partnering with industry professionals and by working in community agencies and organizations. Students also have the opportunity to work with preschool children in our on-site preschool classroom.

THE SCHEDULE

YEAR 1

3 ELECTIVE CREDITS

YEAR 2

2 ELECTIVE CREDITS

1 SOCIAL STUDIES CREDIT



CAREER PATHWAYS & AVERAGE SALARIES

Personal Care Attendant	\$31,200
Anthropologist	\$39,500
Career Counselor	\$40,245
Health Educator	\$46,100
Counselor	\$50,000
Human Resource Specialist	\$51,700
Community Outreach Specialist	\$57,200
Educator	\$60,300
Social Worker	\$61,200
Administrator	\$65,800
Sociologist	\$83,400
Occupational Therapist	\$84,950
Psychologist	\$105,100



PROGRAM OUTCOMES

Human Services graduates go on to pursue degrees in fields such as psychology, education, and social work, while others go directly into the workforce. Past graduates have attended UVM, Keene State College, Bishop's University, Saint Michael's College, Endicott College, Boston University, Castleton University, Johnson & Wales, Northern Vermont University, Champlain College, and Bowdoin College.



CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING



INDUSTRY RECOGNIZED CERTIFICATION

American Red Cross First Aid, CPR & Automated External Defibrillator Certification, Infant, Child and Adult; First Aid Bloodborne Pathogens; Mandated Reporter



LEADERSHIP OPPORTUNITIES

Students may qualify for National Technical Honor Society and SkillsUSA.



DUAL ENROLLMENT // COLLEGE CREDIT OPPORTUNITIES

Community College of Vermont:

- Intro to Early Childhood Education (3 credits)
- Communication in the Early Childhood Education and Afterschool Workplace (3 credits)
- Intro to Human Services (3 credits)

Students have the opportunity to earn up to six college credits.

INTRO TO HEALTHCARE



”

I've learned a lot from taking this class. It's very hands on, being able to do things like blood pressure, and taking blood sugar. We don't get to do that in regular school.

// IHC STUDENT //

ABOUT THE PROGRAM

Introduction to Healthcare is a one-year, hands-on training program designed to prepare students for a career in healthcare. Following completion of the program students will be prepared to enter directly into the workforce as a Licensed Nursing Assistant (LNA) or pursue further education in the healthcare field.

The study of anatomy & physiology will be the foundation for experiential learning in the form of dissections, skills training in our simulated hospital room, and learning medical assessment techniques such as vital signs, blood glucose

testing, and head to toe assessment. In addition, students will have 32 hours of clinical training in a local skilled nursing facility where they will practice patient care skills such as the use of wheelchairs, daily personal care, and working with memory impairment. Lastly, students will prepare for employment by exploring different career options within the healthcare field, as well as how to prepare a resume and cover letter, and participating in interviews with potential employers.

CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING



INDUSTRY RECOGNIZED CERTIFICATION

LNA licensure through the State of Vermont, American Red Cross Certifications: Adult, Infant and Child CPR, Automated External Defibrillator, First Aid, Bloodborne Pathogens



DUAL ENROLLMENT // COLLEGE CREDIT OPPORTUNITIES

Community College of Vermont:

- Introduction to Health Care (3 credits)
- Human Biology (3 credits)
- English Composition (3 credits)



LEADERSHIP OPPORTUNITIES

Students may qualify for National Technical Honor Society.

THE SCHEDULE

YEAR 1

1 SCIENCE CREDIT
2 ELECTIVE CREDITS



Students have the opportunity to earn up to nine college credits



CAREER PATHWAYS & AVERAGE SALARIES

Home Health Aid	\$29,700
Phlebotomy	\$35,400
Pharmacy Tech	\$35,800
Medical Assistant	\$36,400
Emergency Medical Technician	\$36,500
Certified Medical Assistant	\$36,700
X-Ray Technician	\$57,100
Physical Therapy Assistant	\$60,000
Nursing (LNA, LPN, RN)	\$60,200
Respiratory Therapy	\$62,500
Dental Hygienist	\$75,600



PROGRAM OUTCOMES

Students will be prepared to take the LNA exam administered by the State of Vermont. Once licensed, they will be sought-after candidates for employment at healthcare facilities throughout Vermont. Students will also be prepared to pursue a rigorous college education.



PRE-TECH: DESIGN, INNOVATION & TECHNOLOGY



This is definitely more hands on than most programs I've ever been to. Even our first project was to create a hydraulic arm.

// DIT STUDENT //

ABOUT THE PROGRAM

The Pre-Tech: Design, Innovation & Technology program is designed to introduce 9th and 10th grade students to a range of technology programs through a collaborative maker-space environment where they explore technology, innovation, and entrepreneurship.

Students progress through multiple modules in Technology & Application of Science including: Structural and Mechanical Design/ Fabrication, Information Technology, Web & Digital Communications, and Visual Arts. Each module consists of a variety of

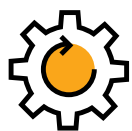
projects that are designed to help students develop their knowledge of 2D and 3D design, rapid prototyping, communication, problem solving, data analysis, and critical thinking skills.

Throughout this course, students have access to a variety of resources including traditional hand tools, power tools, and computer controlled equipment such as vinyl cutters, 3D printers, CNC routers, and a laser cutter. In addition, they are introduced to mechatronics through the design and fabrication of a computer (Arduino) controlled mechanical system.

THE SCHEDULE

YEAR 1

1 SCIENCE CREDIT
2 ELECTIVE CREDITS



CAREER TECHNICAL STUDENT ORGANIZATIONS



HEALTH OCCUPATIONS STUDENT ORGANIZATION

HOSA offers students a unique program of leadership development, motivation, and recognition designed exclusively for students enrolled in health science education and biomedical science programs; or who have interests in pursuing careers in health professions. HOSA is an international student organization recognized by the U.S. Department of Education and the Health Science Education (HSE) Division of ACTE. HOSA's two-fold mission is to promote career opportunities in the health care industry and to enhance the delivery of quality health care to all people. Through the BTC Health Sciences Academy, students have the opportunity to participate in HOSA competitions at the state and national level.

NATIONAL TECHNICAL HONOR SOCIETY

The National Technical Honor Society currently serves approximately 100,000 active members and has served nearly a million members since its inception in 1984. Awarding over \$1.7 million in scholarships to date, NTHS honors the achievements of top Technical Education students; provides scholarships to encourage the pursuit of higher education; and cultivates excellence in today's highly competitive, skilled workforce. BTC students have the opportunity to be inducted into NTHS to honor their achievement and leadership in career technical education.



SKILLSUSA

SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel by providing educational programs, events and competitions that support career and technical education in the nation's classrooms. The SkillsUSA mission is to empower students to become world-class workers, leaders and responsible American citizens. BTC students may have the option to participate in a variety of State SkillsUSA competitions. State winners move on to the National Competition.

STUDENT SUPPORT SERVICES AT BURLINGTON TECHNICAL CENTER

As the Student Support Team, we all work together to support students and their families, as well as our faculty and staff. From the application process to graduation, we offer learning support, social / emotional support, problem solving (for both students and staff), and general assistance in whatever areas or issues may arise. We visit

programs on a regular basis, and we are available through email, phone or in person consultations. As a team, we look forward every day to helping students and their families get the most out of their education here at BTC. Please reach out to any one of us with questions or concerns about any aspect of your student's education.



STUDENT SUPPORT COORDINATOR

Our Student Support Coordinator provides support to students and their families, IEP/504 teams, and our program instructors to ensure that all students are able to access the curriculum in order to be successful. The Coordinator also serves as the point person for case managers from sending schools; as the point person for program instructors who have students on plans and accommodations; as the contact person for students on plans (and their families); as the special education teacher; and as the Workkeys test facilitator.



ENGLISH LANGUAGE LEARNER TEACHER

Our English Language Learner Teacher assists students in building their language and academic skills, exploring their personal interests, moving along in their career pathways, and learning through hands-on experience. The ELL Teacher provides academic and language support to students before, during, and after they complete their BTC programs, based on their individual needs. This position is also the point person for ELL teachers from sending schools and for all ELL students.



GUIDANCE COUNSELOR

Our Guidance Counselor provides social / emotional support to students, staff and families and serves as the point person for sending school guidance counselors. The Guidance Office is also in charge of overseeing transportation issues, keeping track of student credits, and facilitating the application process for new students. This position also facilitates the National Technical Honor Society program.



WORK-BASED LEARNING

Students have many options for work-based learning. Job shadowing allows students to see if the perception they have about a career field is the same as the reality of that career. Internships are unpaid work experiences where students spend a period of time with an employer who is willing to give them specific training in their career field. Cooperative Work Experiences, or co-ops, allow students to work in an actual paid job, typically during the program's regularly-scheduled class time. Co-op is an excellent opportunity for students to make money, enhance skills, and build their resume. Students work with BTC's work-based learning coordinator to create resumes, develop interview skills, and hone other skills that will help them find a job in their chosen field or get into college.



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YOUR PASSION**
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