



2023 / 2024



*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.*

WHAT'S INSIDE

3	DIRECTOR'S LETTER	18	EDUCATIONAL TRAINING & LEADERSHIP
4	MISSION	20	HEALTH SCIENCES ACADEMY
5	WELCOME	22	HOMELAND SECURITY & CRIMINAL JUSTICE
6	ADVANCED MANUFACTURING, INNOVATION & DESIGN	24	INTRO TO HEALTHCARE
8	AUTO BODY REPAIR	26	PRE-TECH: DESIGN, INNOVATION & TECHNOLOGY
10	AUTOMOTIVE SCIENCE & TECHNOLOGY	27	CAREER TECHNICAL STUDENT ORGANIZATIONS
12	AVIATION & AEROSPACE TECHNOLOGY	28	STUDENT SUPPORT SERVICES
14	DESIGN & ILLUSTRATION		
16	DIGITAL MEDIA LAB		



FOLLOW YOUR PASSION AT BURLINGTON TECHNICAL CENTER

A LETTER FROM OUR DIRECTOR

It's been exciting joining the Burlington Technical Center learning community this year. In my work in the Burlington School District over the past decade-and-a-half, I have worked with BTC faculty members, and have seen BTC motivate students to graduate with career and college-ready skills and visions. This is what makes BTC unique, and a center for students' deeper learning opportunities. While BTC's tradition of career and technical education dates back to 1968, we continue to adapt with current technologies and approaches to learning that best support students' educational and career goals.

Burlington Technical Center offers half-day programs serving students from across our region. The half-day model allows students to immerse in career and technical education, while maintaining their connections and activities at their home high schools or alternative programs. Our programs provide specialized learning and personal growth, while offering professional certifications and college credits. Students also have the opportunity to connect with industry professionals, and complete job shadows and work-based learning opportunities.

The dedicated and talented faculty at BTC are industry professionals and professional educators. Faculty deliver engaging learning opportunities

informed by their real world experiences, and they provide students with the care and attention that each student deserves. Our operations and academic support staff add layers of learning and social and emotional support, allowing students to reach their full potential in the specialized field they chose to explore at BTC.

Burlington Technical Center values all students and their unique backgrounds, personalities, contributions, and challenges. The learning environment at BTC is made up of a diverse student body from Chittenden and Franklin Counties (and beyond), and we celebrate the benefits of so many perspectives from across the region.

If you are not currently enrolled at BTC, please take a look at our website and program of studies to see which program suits your needs and interests as a learner and a future professional. Learning at BTC can expand your vision of the future, and provide new opportunities. Speak to your school counselor about scheduling a tour at BTC to find out more. Thank you for your interest in BTC!

JASON REED

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

Some of our programs offer students between three and 17 Dual Enrollment/Fast Forward college credits.

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.

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 Exploratory Program (Design Tech) for sophomores. Students who complete the Tech Exploratory 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 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, INNOVATION, & DESIGN

ABOUT THE PROGRAM

Advanced Manufacturing students learn the fundamental aspects of manufacturing, engineering, and design processes through both academic and hands-on work. A number of projects will be completed throughout the year which are specifically designed to build the students' ability to conceptualize a product, design that product, make that product, and subsequently, evaluate the process.

Throughout the year, students progressively increase their knowledge in:

- Precision measurement: imperial and metric
- Technical Drawing: 2D and 3D
- Design and drawing for production: 2D and 3D
- 21st century manufacturing: lasers, CNC milling, 3D printing
- The design process and problem solving through engineering
- Soldering an introductory electrical engineering

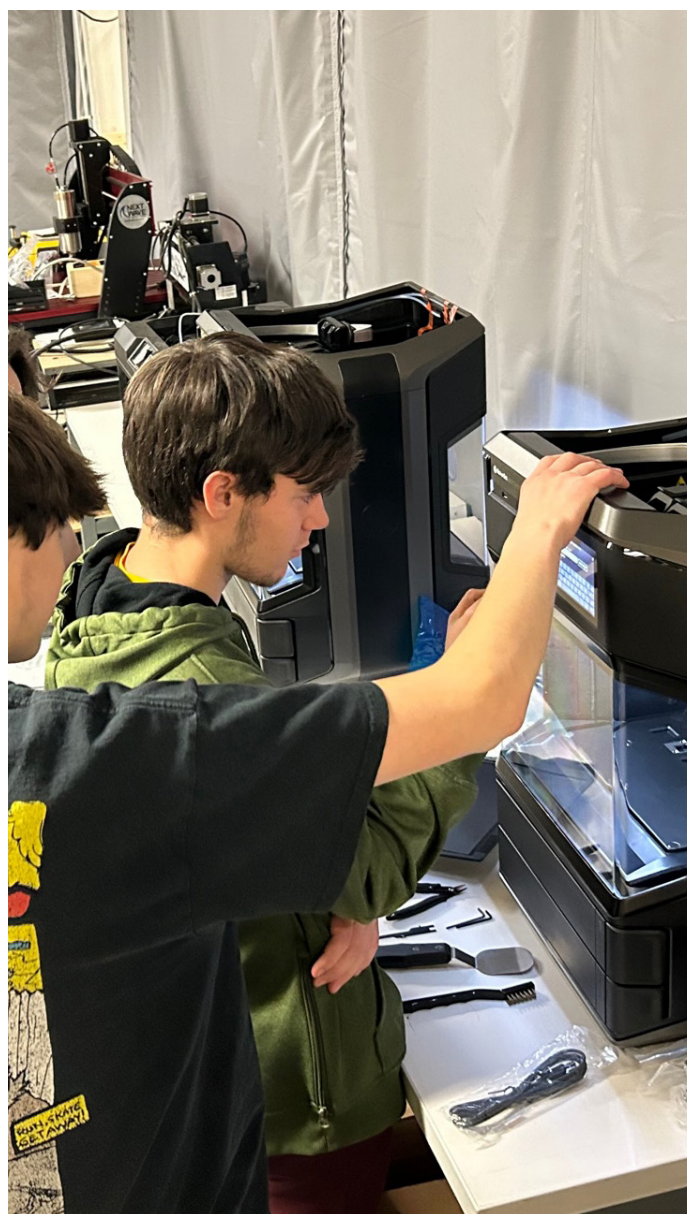
THE SCHEDULE

YEAR 1

1 SCIENCE CREDIT
1 MATH CREDIT
1 ELECTIVE CREDIT

YEAR 2

1 SCIENCE CREDIT
1 MATH CREDIT
1 ELECTIVE CREDIT



CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING

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



INDUSTRY RECOGNIZED CERTIFICATION

Level 1 IRCs: OSHA 10 and Introduction to Machining - these are offered in year 1 of AMID (11th grade). Level 2 IRCs: OnShape (3D modeling software) Certification and OSHA 30.



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.



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
CAD Technician	\$56,200
Business Owner	\$58,000
Engineer	\$68,200



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."

// AMID STUDENT //

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 in this program will acquire the knowledge and skills 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 will apply research and problem solving skills in a scientific way to diagnose and repair vehicles, keep up with technological changes as well as work independently and as a team. This course emphasizes SAFETY above all else.

Classroom activities will include lectures, reading, writing, math, and problem solving. Assignments will include reading, research, writing and assigned e-learning.

The student who completes the Auto Body Repair program can obtain certificates for S/ P2 Safety and Pollution Prevention as well as ASE Introduction to Automobile Service, Ford ACE and Tire Industry of America. These certifications will help prepare students in the pursuit of a career in this, or related fields, post-secondary education and their commitment to lifelong education.

Units of study include: safety, hand and power tool identification and use, measuring, fasteners and materials to list a few.



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

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.



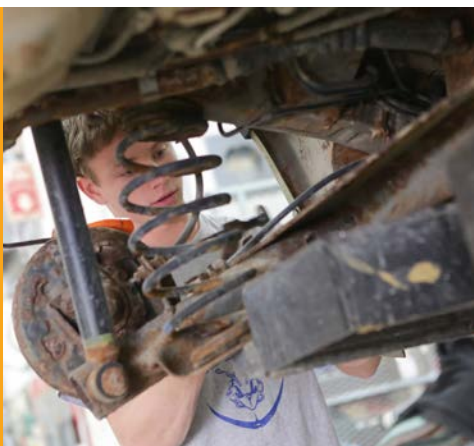
CAREER PATHWAYS & AVERAGE SALARIES

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

This program is a highly technical and multidisciplinary curriculum that teaches students not only how aircraft work, but how to troubleshoot, inspect and maintain those aircraft. Units include everything from math and physics, to more aviation specific subjects like corrosion control, aircraft hardware, flight surfaces, as well as Federal Aviation Administration rules and regulations.

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

Students learn about hand tools and how to properly use them, disassemble and reassemble piston and turbine engines, learn the basics of welding, and even 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



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
1 ELECTIVE CREDIT
1 MATH CREDIT**

PROGRAM OUTCOMES



Graduates from the BTC Aviation and Aerospace Technology program have the option of attending our satellite facility at the Burlington airport to continue their training and obtain their Airframe and Powerplant Mechanic Certificate. VTC offers A&P certified mechanics 44.5 college credits towards an Associates Degree in Aviation Maintenance Technology.

DESIGN & ILLUSTRATION

THE SCHEDULE

YEAR 1

3 ELECTIVE CREDITS

YEAR 2

1 FINE ART CREDIT
2 ELECTIVE CREDITS

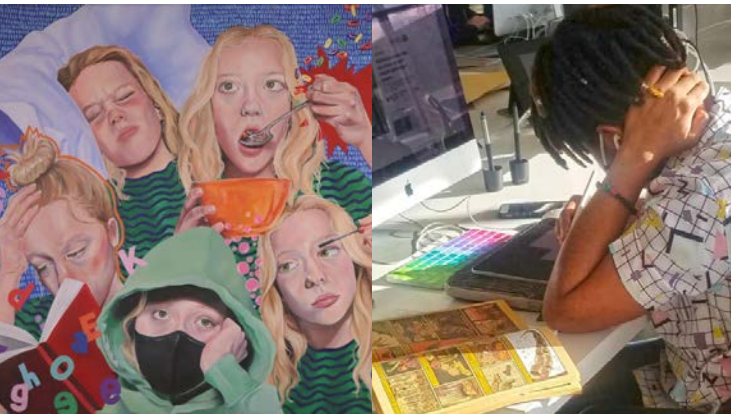


ABOUT THE PROGRAM

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 traditional studio, as well as digital, mediums.

Study all aspects of graphic design on an iMac loaded with Adobe Creative Cloud software (all students get personal full Adobe Creative Cloud accounts for the two years of the program).

Work towards mastering drawing and painting in our figure drawing and still life studio. Screen print multi-color posters and shirts in our screen printing space. Learn to take professional portraits and fine art photographs with a DSLR camera or animate on a Wacom Cintiq digital illustration tablet. Design & Illustration will expose you to artist grade and industry recognized mediums, and put the best tools and technology in your hands, all while helping you to build your strongest portfolio for applying to schools, or to continue your artistic practices in life after high school.



CERTIFICATIONS, CREDENTIALS AND WORK-BASED LEARNING



INDUSTRY RECOGNIZED CERTIFICATION

Portfolio



DUAL ENROLLMENT // COLLEGE CREDIT OPPORTUNITIES

- Drawing I (3 credits)
- Intro to Adobe CC (3 credits)
- Graphic Design I (3 credits)
- Digital Photography I (3 credits)
- Printmaking I (3 credits)

Students have the 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 and liberal arts schools, earning scholarships for their portfolios. In recent years students have been accepted to Rhode Island School of Design, Pratt, Maine College of Art, School of Art Institute of Chicago, MassArt, Savannah College of Art and Design, Parsons, Rochester Institute of Technology, and Syracuse University School of Visual Performing 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 music producers, fashion/art photographers, music video and indie 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 film making, audio production, digital photography, podcasting, VFX or other emerging digital media, the DML 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, Black Magic Cinema cameras, DSLR cameras, audio controllers, drones, gimbals, musical instruments, and industry standard DAWs (including Ableton, Logic, FL Studio, and Pro Tools). This evolving set of tools gives students a strong foundation to develop the understanding and technical skills necessary to grow as media 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, release music on all platforms, participate in after school open studios and film clubs, and promote and exhibit their work in screenings and through 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



DUAL ENROLLMENT // COLLEGE CREDIT OPPORTUNITIES

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

10 EDUCATIONAL TRAINING & LEADERSHIP



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.

// ETL STUDENT //

ABOUT THE PROGRAM

The Educational Training and Leadership program prepares students for careers in a wide variety of educational settings.

Students who complete this two-year program will be equipped to pursue various careers in education, ranging from early childhood development to administrative and leadership positions. Our innovative, grow-your-own educator model provides the student with the flexibility to pursue their chosen pathway within the field

through meaningful, hands-on experience at both BTC's on-site preschool and at participating K-12 schools throughout Chittenden County.

Students in the program have the opportunity for paid work-based learning and will earn a range of industry recognized credentials, and up to 15 college credits through River Valley Community College.

THE SCHEDULE

YEAR 1

3 ELECTIVE CREDITS

YEAR 2

2 ELECTIVE CREDITS

1 SOCIAL STUDIES CREDIT



CAREER PATHWAYS & AVERAGE SALARIES



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.



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

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 & River Valley Community College

- Intro to Early Childhood Education (3 credits)
- Communication in the Early Childhood Education and Afterschool Workplace (3 credits)
- Intro to Human Services (3 credits)
- Educational Psychology (3 credits)
- Supportive Communication Skills (3 credits)
- Introduction to Sociology (3 credits)
- Intro to Psychology (3 credits)

HEALTH SCIENCES ACADEMY



PROGRAM OUTCOMES

More than 95% of our students go on to pursue higher education, attending schools such as Cornell University, Brown University, Northeastern University, Emory University, and The University of Vermont. 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

This program immerses students in rigorous academics (anatomy and physiology, medical terminology, and human growth and development), practical applications (medical assessment techniques, such as vital signs, reflex testing, goniometry, electrocardiography, diagnostic lab testing), and experiential learning (including dissections, job-shadowing, simulated job interviews).

Students also have the option senior year to choose a track to pursue national certification either in phlebotomy (CPT) or emergency medical technician (NREMT). Students are provided with guidance in the college application process and will also complete a workplace skills unit, geared toward careers in health care, including job applications, resumes, cover letters, and interviews with UVM Medical Center recruiting system.



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 (Medicaethicstraining.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)

River Valley Community College:

- 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.

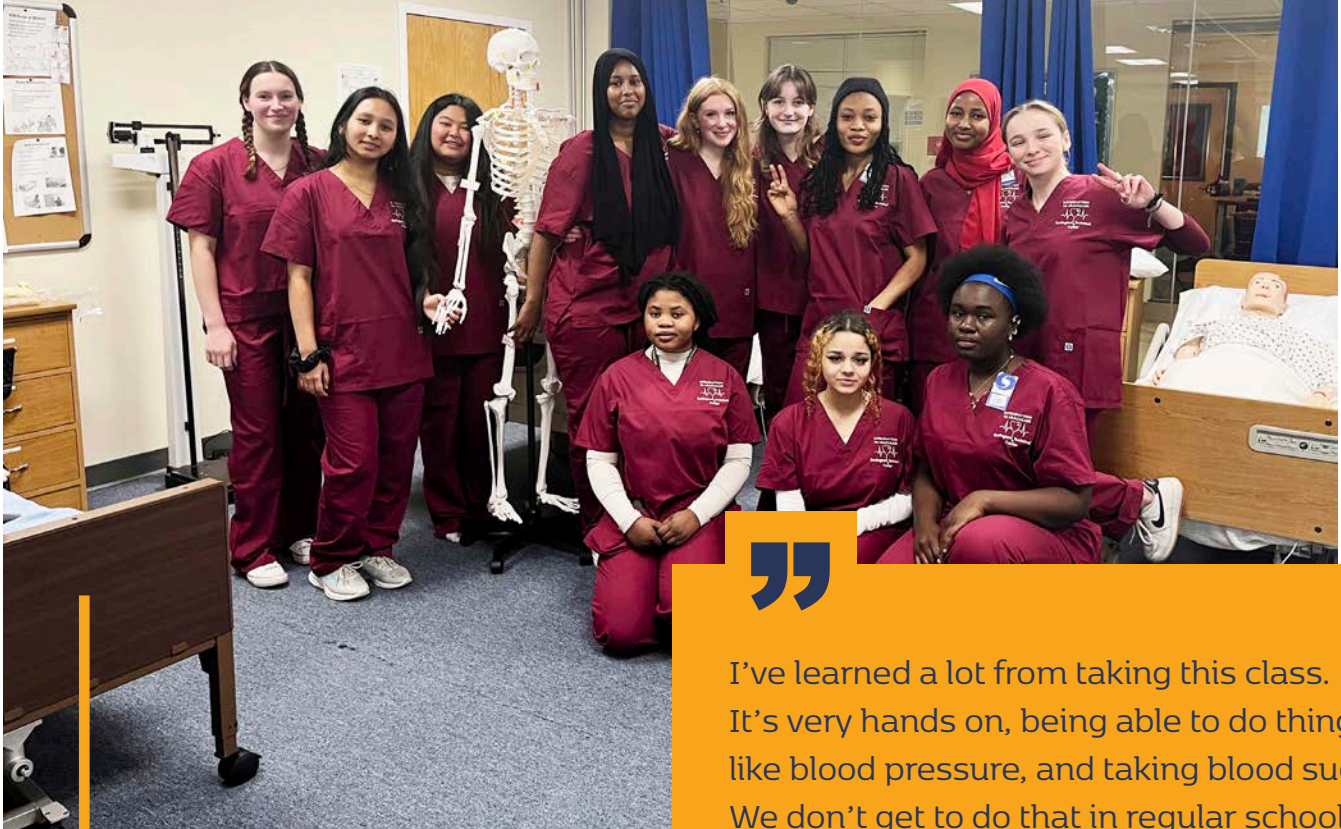


You can be a state trooper, you can be an investigator, you can be a secret agent. It really opened my eyes about what I wanted to do in law enforcement. It's a really fun program.

// HSCJ STUDENT //



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 that prepares students for a career in healthcare. Students will be prepared to either directly enter the workforce as an LNA or to pursue further education at the university level.

The study of human biology serves as our foundation for in-class experiential learning, such as completing dissections, practicing patient care skills training in our simulated hospital room, and learning medical assessment techniques. Students will learn how to take

vital signs, administer blood glucose tests, and complete head-to-toe assessments. In addition, students will receive 32 hours of clinical training in a local healthcare facility. Lastly, students will prepare for employment by exploring different career options, preparing resumes and cover letters, 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)



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 six 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 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

This program is designed to provide 10th grade students with a unique experience in a collaborative makerspace environment where they explore design, 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, aviation and automotive technologies, and visual art. 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 a vinyl cutter, 3D printers, CNC routers, and laser cutters. In addition, they will be introduced to mechatronics through the design and fabrication of a computer (Arduino) and raspberry pi controlled mechanical systems.

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 TEACHERS

Our English Language (EL) instructors work closely with BTC program instructors and students to keep content accessible, further develop language and academic skills, and acquire technical expertise through hands-on learning and exploration of personal interests. Based on individual needs and goals, BTC EL instructors support students before, during and after they complete their BTC programs, helping to guide them along their career pathways and serving as point people for both multilingual students and EL teachers at sending schools.



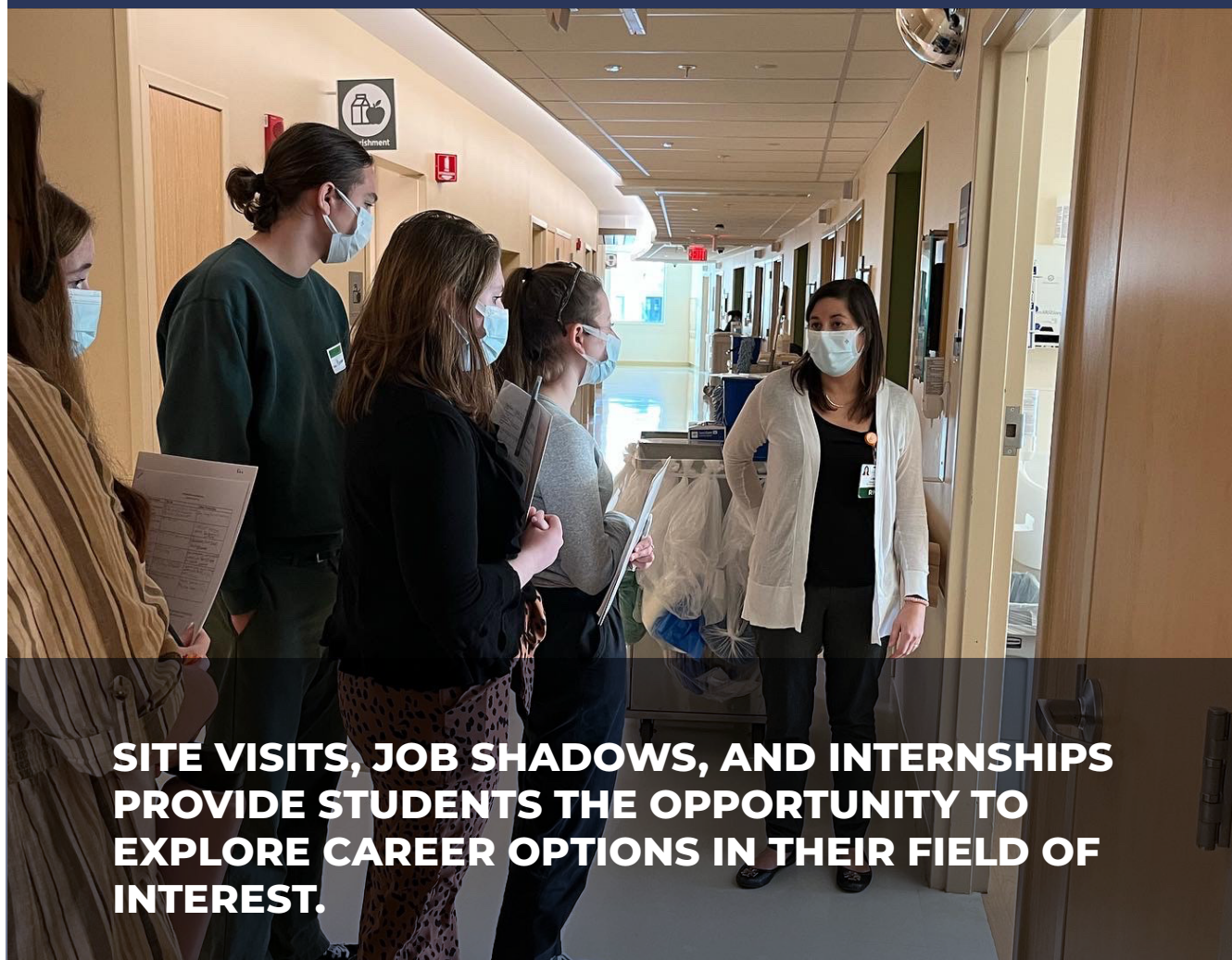
GUIDANCE COUNSELOR

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 several options for work-based learning. Some include job shadowing, which allows students to see if the perception they have about a career field is the same as the reality of that career. Cooperative Work Experiences, sometimes called 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 Technical Education, or co-ops, allow students to work in an actual paid job during the program's regularly-scheduled class time. Co-op is an excellent opportunity for students to make money, develop and strengthen skills, all the while building 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 and/or get into college, find a job in their chosen field or get into college.



**SITE VISITS, JOB SHADOWS, AND INTERNSHIPS
PROVIDE STUDENTS THE OPPORTUNITY TO
EXPLORE CAREER OPTIONS IN THEIR FIELD OF
INTEREST.**



FOLLOW YOUR PASSION

AT BURLINGTON TECHNICAL CENTER

TO APPLY: btc.bsdvt.org

APPLY NOW

We are now accepting applications for the 2023 - 2024 school year. The priority application deadline is March 10, 2023.

Students are to complete the online application. In addition to this student application, for consideration of acceptance, counselors must forward academic information to BTC (transcript, assessment scores, attendance records).

Applicants are required to visit their program of interest prior to the March 10 priority deadline.

In-school shadowing days. BTC has reserved a specific day for each area high school on which their students will be able to visit programs and experience what it is like to be a BTC student. Students will be bussed to/from their school to attend morning session classes (9:35 – 11:47). Interested students should sign up with their school counselor at their respective school.

Mount Mansfield Union High School – Wednesday, January 25

Bellows Free Academy Fairfax High School – Wednesday, February 1

Burlington High School – Friday, February 3

Colchester High School – Wednesday, February 8

Milton High School – Friday, February 10

Williston High School – Monday, February 13

South Burlington High School – Wednesday, February 15

Essex High School – Friday, February 17

Champlain Valley Union High School – Wednesday, February 22

Evening Informational Sessions. Interested students who are unable to attend their school's shadowing day can attend evening information sessions at the program locations. Families are welcome and encouraged to attend with students. Info sessions will begin on the hour and students/families only need attend one of the sessions.

Downtown programs – Tuesday, February 21; 5PM or 6 PM (only attend one) @ 29 Church Street, Burlington (entrance under the red awning)

- Design & Illustration
- Digital Media Lab
- Health Sciences Academy
- Homeland Security & Criminal Justice
- Introduction to Healthcare

BTC-East programs – Wednesday, February 22; 5 PM or 6 PM (only attend one)

- Advanced Manufacturing, Innovation & Design @ 2 Gregory Dr, South Burlington
- Aviation & Aerospace @ 2 Gregory Dr, South Burlington
- Pre-Tech Innovation, Technology & Design @ 2 Gregory Dr, South Burlington
- Auto Body Repair @ 4095 Williston Rd, South Burlington
- Automotive Science & Technology @ 4095 Williston Rd, South Burlington

BTC-North program – Thursday, February 23 @ 5 PM or 6 PM (only attend one) @ 901 North Ave, Burlington (North Avenue Alliance Church)

- Educational Training & Leadership

Students who are unable to attend either an in-school visit day or an evening event for the program they are interested in should contact the BTC school counseling coordinator at 802-864-8426, x12006 for alternative options.



LEARN BY DOING



Burlington Technical Center
29 Church Street, Lower Level
Burlington, VT 05401
802.864.8426 // btc.bsdt.org