



**BIDDEFORD REGIONAL CENTER OF TECHNOLOGY
YOUR CAREER & TECHNICAL HIGH SCHOOL**

2021-22 COURSE CATALOG

Welcome to BRCOT!

Start on your career pathway now.



Our classes are designed to integrate a rigorous program of academic study with real world hands-on training. Our students are taught by highly competent instructors from the field that stress “learning by doing.” Through our collaboration with parents, communities, and business leaders, we serve a diverse student body with multiple learning styles. Our integrated curriculum provides students the opportunity to develop the academic, vocational and technical skills necessary to be productive members of a global community.

All of our courses are college prep or honors level that prepare students to progress to post-secondary education. We value life-long learning that fosters personal and professional development in a safe and respectful environment. By being engaged with employers, business, and post-secondary institutions, the graduates will be better prepared to contribute to the strength of our nation and the quality of life for its citizens.

Is BRCOT right for you?

Making a decision to attend a career and technical high school might be one of the most important decisions you make in your life thus far. How do you know if attending BRCOT is the right place for you?

Start by answering these questions:

- Do you love a good challenge?
- Do you like to be creative?
- Do you like to learn in a small learning environment?
- Do you like to spend time out of the classroom?
- Do you have a particular interest or career pathway you want to pursue?
- Do you learn best with your mind and hands work together?

If you answered yes to any of these questions, then you have found the learning environment you have been searching for. Continue reading about our program offerings and how to apply to BRCOT. Please contact us anytime for a tour or questions. We are always happy to talk to you.

Paulette Bonneau, *Director*

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Standards of Admissions

Biddeford Regional Center of Technology may admit persons eligible to receive a free public secondary education who are residents of the municipalities served by BRCOT and who are attending one of the following schools: Biddeford High School, Thornton Academy, Old Orchard Beach High School, and Kennebunk High School. Others may seek enrollment on a space available basis and according to the established procedures for admission of students not attending a sending school. Homeschoolers may attend BRCOT but must be registered with a sending high school. Although prerequisites are listed with courses, students are not denied acceptance based on the lack of prerequisite courses.

All students who would like to enroll in a BRCOT career and technical program must complete a BRCOT application for consideration. The application is online at biddefordschools.me. Potential applicants are strongly encouraged to visit the BRCOT program they are interested in to make an informed decision. For more information you can contact our office at 207-282-1501 or talk with your high school guidance counselor.

Continuous Notice of Non-Discrimination

The Biddeford Regional Center of Technology does not discriminate in its education and employment programs on the basis of religion; age; race; color; national origin; gender; sexual orientation; marital or parental status and disability and provide equal access to

designated youth groups and complies with Title VI of the Civil Rights Act of 1964, Title IX Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973 and the American's Disabilities Act (ADA) of 1990.

Inquiries regarding Title VI, Title IX, 504, and ADA may be made to Michelle Bracken, Affirmative Action Officer, Biddeford School Department, 18 Maplewood Ave. Biddeford, ME 04005, Telephone: 207-282-8281, Fax: 207-284-7956, Email: mbracken@biddefordschools.me. If you have questions, have witnessed, or experienced acts of discrimination based on these criteria and wish to express a Title IX/504 Grievance please contact Tiffany Jackson.

Old Orchard Beach students please contact:

Eric Hanson, *Assistant Superintendent*
207-934-4461

Thornton Academy students please contact:

Marsha Snyder, *Associate Headmaster*
207-282-3361

Kennebunk High School students please contact:

Will Putnum, 207-985-1160

Massabesic High School students please contact:

Scott Lavertu, 207-247-3141

Students may grieve to the Biddeford Affirmative Action Officer, Michelle Bracken or to the Office of Civil rights, Washington, D.C. at any time before, during and after implementation of the School Department's grievance process. Employees may grieve to the Office of Civil rights. The grievance policy and procedures may be found on the Biddeford School Department website listed under district Policy AC and AC-R.

Meet Your Graduation Requirements

Attending class at BRCOT can be a viable pathway towards graduation. Planning ahead and working with your guidance counselor can help you gain credits early on while studying what you enjoy.

Rigor & Relevance

Industry Based Standards Career Oriented Instruction

Instruction is based on standards that have been verified by the industry and taught by instructors who have been in the field and credentialed to teach the content area. Our courses provide instruction in high wage 21st century career opportunities. All courses taught at BRCOT undergo a rigorous approval process by the Department of Education. Each program has an Advisory Committee that meets two times a year to review program rigor, relevance and current industry trends. Learning at BRCOT is learning that works! Learning that works for life!

Save Thousands Of Dollars By Earning Free College Credits!

There are different types of these agreements, known as dual or concurrent enrollment, articulation, and advanced standing agreements. Their availability is noted in each program's description.

Many of our programs offer College Credits while you are earning your high school credits. All of courses at BRCOT are college prep level or honor level offerings and are indicated with each course description.

College credits may be earned in three ways:

1 Dual Enrollment ▶ High school students are enrolled at the sponsoring post-secondary institution and BRCOT at the same time, earning credits at both. Upon completion of the course, students receive an academic transcript from the post-secondary school identical to the one received by college students who are physically attending that institution. Likewise, the credits are fully transferable to most other post-secondary schools. Dual enrollment courses are honor level courses.

2 Articulation Agreements ▶ An arrangement between the Center of Technology and various colleges and universities, where a successful completion of class you have taken at BRCOT will count for college credit at that specific college. This means that if you attend a post-secondary institution which BRCOT has an agreement with, you will not have to retake classes that you already have taken ... saving you time, energy, and money.

3 Advanced Standing Program Credits ▶ Offers high school students the opportunity to receive university college credit for their work during high school. Upon successful completions of your high school program and passing a university approved proficiency exam, college credits will be awarded; students will receive an academic transcript from the college or university identical to the one received by college students who are physically attending the school. These credits are fully transferable (there may be a small processing fee) to most other post-secondary colleges and universities.

Student Leadership Council

- Would you like to represent the student body to the community and school officials?
- Do you want to identify and advocate students' concerns?
- Are you interested in assisting the school in advancing its mission?

An active Student Leadership Council (SLC) represents student voice on COT policies and special events at the Center of Technology.

Scholarships

To encourage post-secondary learning, the BRCOT is proud to provide and support an impressive amount of scholarship opportunities. Last year, more than \$25,000 worth of scholarships were awarded at our annual year-end ceremony. Local business and community organizations continue to recognize the value of investing in our students and their postsecondary education. Last year's scholarship offerings included some, but not limited to:

Anthony Puglio Scholarship

Chad Dionne Automotive

Scholarship

Cheryl D'Amico Scholarship

Biddeford-Saco Rotary

Scholarship

Boucher Electric Scholarship

Chantigny's Family Scholarship

Dutch Elm Golf Course

Don Elie Scholarship

Gerard Chantigny Scholarship

Joanna WRBA Scholarship

John Gelinas Memorial

Scholarship

Kerry Anton Memorial

Maine Blue Collar Scholarship

MELMAC

Michael William Langevin

Scholarship

Pratt and Whitney

Raymond Cyr Memorial

Raymond Gagnon Scholarship

Dick Lambert Trade Scholarship

Saco & Biddeford Savings

Institution

Thomas Behan Fund

Skills USA

Students enrolled at COT are eligible to participate in SkillsUSA, a national organization of students, teachers, and industry representatives working together to prepare high-performance workers in career and technical occupations. SkillsUSA emphasizes total work quality-high ethical standards, superior work skills and pride in the pursuit of lifelong learning. The program includes local, state, and national competitions in which students demonstrate occupational and leadership skills in over 70 different areas. These competitions are judged by industry representatives, with scholarships and equipment prizes awarded to medalists. First place winners in the State competition go on to compete at the National Championships.



ABC Craft Championship

All students in engineering and construction-related programs have the opportunity to participate in the Annual Craft Championships which is sponsored by the Downeast Construction Education Fund, a charitable trust established by Associated Builders and Contractors of Maine to help educate the next generation of construction craft professionals. The Craft Championships include competitions and demonstrations in over 30 hands-on activities, including state of the art advanced technologies.





Business Education

Do you want to learn how to run a business and make a profit? Do you like working with and managing money? The Business Leadership program will introduce you to the business world and prepare you to excel in any business-related field or college program. Courses include: Intro to Business & Entrepreneurship, Accounting, Investing & Personal Finance, as well as additional electives in Marketing, Project Management, and Business Law. You will also have the opportunity to apply for the Small Business Management Certificate from YCCC if you attend both Junior and Senior year – earning you 18 college credits and a college credential!

The Business Academy is located on the second floor of the Biddeford Regional Center of Technology and offers juniors and seniors from BHS, TA, and OOB who have maintained a B- or better GPA the opportunity to earn FREE college credits in the familiar setting and pace of regular high school classes, during normal high school hours.

Our Business Academy offers several pathways that students can choose from:

- Business Education 6-8
- Computer Technology 9-10
- Career Pathways 10-11
- Career Exploration 12-13

Accounting

#21016)

Learn to properly maintain business financial records according to Generally Accepted Accounting Principles (GAAP). Students will become familiar with the basic accounting system used in the United States today. Students will be introduced to the complete accounting cycle for service businesses organized as sole proprietorships as well as merchandising businesses (sells a product) organized as a corporation. This course is scheduled every other day and is a year-long course.

Credit: 1 (Block 1, Fall Semester)
Students may gain a Math & Social Science credit for graduation by taking this course. Earns 3 transferable college credits at YCCC for ACC111.

“ Successful and unsuccessful people do not vary greatly in their abilities. They vary in their desires to reach their potential. ”

– John Maxwell



Business Leadership & Entrepreneurship

(#21036)

For motivated students interested in owning their own business, working in supervisory management or attending college for Accounting, Finance, or Management which are some of the fastest growing fields for employment, learn how to establish, organize, promote and manage a business. Students will gain a fundamental understanding of skills needed to start and manage any trade or business venture. Topics include creating and presenting a business plan, related legal issues, marketing products or services, financial record-keeping, protecting assets, and managing human resources. Special emphasis will be placed on the key management functions of Leading, Planning, Organizing, Staffing and Controlling.

- Level:** CP or Honors Credit: 2 (Honors level may earn 12 college credits)
- Open to:** Grades 11 & 12
- Credit:** 2 (Block 4, year-long)
Earns 6 transferable college credits through YCCC for BUS110 and BUS260. Students may gain a Social Science credit for graduation by taking this course.
- Prerequisite:** For Honors/college credits you must have a minimum 2.7 cumulative GPA and satisfactory attendance records.

Investing & Personal Finance

(#21056)

Learn sound economic principles to handle your money, as well as intelligent investing in stocks, bonds or mutual funds. Students will learn the complete record-keeping, planning and money management activities necessary for successful completion of personal and family financial matters. Topics include making a budget, using credit wisely, and preparing income taxes. An introduction to the fundamentals of knowledgeable investing will follow, focusing on stocks, bonds, mutual funds and real estate. This course is scheduled every other day and is a year-long course.

- Credit:** 1 (Block 1, Spring semester)
Students can gain two credits from the following disciplines; Math, Financial Literacy & Social Science credit at BHS for graduation by taking this course. Earns 3 transferable college credits through YCCC for BUS113.

Advanced Business Electives

#21027

A flexible class offering you the opportunity to take various online business electives with the support of our business teacher to help facilitate the class and guide your learning. The class may also serve as an opportunity for students to participate in business-related internship (speak with business teacher in advance).

- Open to:** 11, 12
- Credit:** 2 (Block 2 & 5 year long)
- Prerequisite:** PSAT / SAT Math 480 or/ Next Gen QAS 237, Sign Release from guidance & math Instructor
Earns 3 transferable college credits through YCCC for each elective course you take: (BUS 210) Foundations of Project Management, (BUS 230) Marketing, (BUS 224) Business Law

Business Law-Legal Studies

#26016 & 26026

This Business Academy Law Program prepares students to be a step ahead in their college classes in pursuit of careers in law, criminal justice or in the business world, and to help prepare for positions in these fields.

If you are not sure what career is best for you, you will acquire valuable information to help you make that important career decision and/or help determine your college major. You will network with professionals in the fields invited to class to facilitate career exploration: Attorneys, State Police, Probations, Homeland Security, Prosecutors, U.S. Marshals, FBI, Crime Scene Investigators, Wardens, Corrections etc. Field trips are taken to Biddeford District Court, York County Superior Court, Saco Police Department and Cumberland County Jail; job shadows and ride alongs are subject to business approvals. Additionally, students have the opportunity to earn certification for basic CPR and First Aid.

This program covers business, civil and criminal law, court procedures, learning your rights as a citizen, computer applications, and employment skills inclusive of: professionalism, resumes, cover letters, and interview skills. A business education certificate and four high school credits will be issued upon successful completion of this program. Up to twelve (12) college credits may be earned for dual enrollment, advanced standing & articulation opportunities. Currently agreements with the following colleges/universities are set up SMCC, YCCC, CMCC and Husson University. Other college agreements may be added throughout the school year; check with the instructor for specific details.

Level: CP/ Honors
Open to: Grades 10, 11 & 12
Credit: 4 (Honors level earns college credits)
Prerequisite: An interest in law, and how the legal system functions in our society.

BHS Graduation Standards: Social Science credit
Eligible for Concurrent Enrollment: CMCC

Introduction to Business, Business Communications & Computer Applications

#22216

This Business Academy- Introduction to Business Program prepares students to be a step ahead in their college classes and/ or to help prepare for employment positions. Do you want to be a Doctor? Lawyer? Engineer? CEO? Run your own business? No matter what field you plan to enter, understanding business basics are essential to your success.

This program will give you information on how businesses run inclusive of marketing, management, economics, employee, communications, law, ethics, finance and entrepreneurship topics. Additionally, internet research, current events, computer applications, and employment skills inclusive of: professionalism, resumes, cover letters and interview skills are also covered.

If you are not sure what career is best for you, you will acquire valuable information to help you make that important career decision and/or help determine your college major. You will network with professionals invited to class to facilitate career exploration; field trips and job shadows are subject to business approvals. Additionally, students have the opportunity to earn certification for basic CPR and First Aid.

A business education certificate and four high school credits will be issued upon successful completion of this program. College credits may be earned for dual enrollment, advanced standing & articulation opportunities; check with the instructor for specific details.

Level: CP
Open to: Grades 10, 11, 12
Credits: 4
Eligible for Concurrent Enrollment: CMCC

Computer Technology Program

Would you like to get things done faster and more efficiently? Do you want the skills to succeed in today's technologically dependent world? Biddeford Regional Center of Technology offers a comprehensive, two-year program in Computer Technology to prepare students to become highly marketable employees in today's computer world, acquiring skills currently in demand by employers and for success at the college level. Several of the components in this program lead to industry certifications and up to 18 college credits. Students who complete this program earn a COT Certificate of Completion in Computer Technology.

Career path possibilities include: Programmer, Software Engineer, Tech Support Specialist, Video Game Designer, Information Architect, Hardware Specialist, Graphic Designer, Business Manager, Computer Office Assistant, IT Consultant, Cloud Architect, Computer Forensic Investigator, Health IT Specialist, Mobile App Developer, Web Developer, Software Engineer, and many others- some haven't even been thought of, yet. Being proficient in the world of computers opens untold career opportunities as well as promoting a meaningful life. Not only do students study how computers are built and maintained, but the social and ethical implications of their use. No prior computer experience is necessary. We will start wherever you are.

Computer Technology & Applications I

#22096

You do not need any prior experience or knowledge about computers to be successful in this class. We will focus on Hardware, Software, Operating Systems, Networking, CyberSecurity, and Databases, as well as Mobile App Development, Microsoft Office 2016 (Word, Excel, and PowerPoint), and Adobe Creative Cloud (Illustrator, Photoshop, Animator, InDesign, and others). Programming will be done in JavaScript and SQL in the first year. Our focus will be on creating "real world" solutions for our school and community.

Students will have the opportunity to earn CompTIA A+, Microsoft Office Specialist, and Adobe Certified Expert. Emphasis will be placed on developing a broad Technology Based Portfolio which students can use to advance academic and employment careers. And, no modern technology class can be complete without developing creative and critical thinking skills while considering the social and ethical implications of technology. What is the difference between information and data? Can we predict the impact of new technologies? What can my bank/school/hospital do with my personal information? How does the Digital Divide affect economic development? We want to do more than hack away at our keyboards or crimp Cat 6 cables. We want to use our Computer Technology knowledge for good.

Level:	CP or Honors
Open to:	Grades 11 & 12 (Grade 10 with instructor permission)
Credit:	4 (Honors may earn up to 12 college credits) Honors/College Credits: YCCC CIS 115, CIS 118, MUL 10 & MUL 122
Prerequisite:	Appropriate reading, writing and math skills for college-level coursework

This class meets every day for Two Blocks

Computer Technology & Applications II

#22196

For students who have successfully completed Computer Technology and Applications I or have prior instructor approval based on student ability or prior courses, this class works on virtual reality, drones, and 3D programming for use in an educational environment. We also run the COT's Help Desk and work with Instructors to solve computing and technology issues. We'll start in CoSpaces and work our way into the cross-platform game engine Unity. Some students will specialize in programming while others can specialize in developing Game Objects and two and three dimensional games and educational applications for the HTC Vive and Oculus.

At the end of the two-year Computer Technology and Applications course, students could complete the Technology courses required for YCCC's Help Desk Certificate. Basic certification as a Unity Certified Associate and Drone Operator may be available to select students.

Level: CP or Honors
Open to: Grades 11 & 12
Credit: 4 (Honors may earn up to 12 college credits) Honors/College Credits: YCCC CIS 125 and CIS 152

Prerequisite: Successful completion of CTA I or have the instructor's approval

This class meets every day for Two Blocks

Labor Market Trends

52% of Maine's labor market consists of middle-skill jobs, but only 47% of the state's workers are trained at the middle-skill level.

Career Pathways Program

Do you have the career-ready skills employers are looking for? Do you have a plan for employment, continuing education and a career after high school?

Biddeford Regional Center of Technology's Career Pathways program helps students identify their individual learning styles, target industries of interest, identify potential career opportunities, and develop valuable 21st century employability skills while researching and working in their field of interest. Career Pathway students are exposed to Career and Technical High School programs, as well as Cooperative Education opportunities not available at BRCOT. The goal of the Career Pathways program is to assist students in making appropriate choices and plans for their education/career paths during and after high school.

“The top 5 industries for “good jobs” that pay a median income of \$55,000+ without a bachelor's degree are management, office and administrative support, sales, production, and construction and extraction.”

– National Skills Coalition, 2019



Career Development: School-to-Work Cooperative Education or Extended Learning Opportunity

28027

Career Development School-to-Work Cooperative Education (Co-Op) or Extended Learning Opportunities (ELO) provide an opportunity for students to further develop their occupational skills and participate in occupational training programs that combine academic study with paid, monitored and credit-bearing work, accelerating a student's college and career path and strengthening employability skills. Our philosophy recognizes that classroom learning is only part of the skills and knowledge students will need to succeed in their chosen profession or career. While working students must maintain good attendance and academic performance outside of the Co-Op or ELO. In addition to working on site, students will participate in weekly online class discussions and check in regularly for group discussion, industry required testing and assessment with BRCOT program instructor or Career Pathway Coordinator. Through this specific program, high school students earn credit for paid, supervised work in the community. A State of Maine Cooperative Agreement among the parent(s), student, school and employer is completed. Employers/supervisor evaluate work ethic, on the job skills, and workplace responsibilities. Students must provide their own transportation to and from the job site. Students do not have to be enrolled in a CTE program to participate in the COOP program. Students enrolled in this course have the opportunity to earn a NOCTI WorkReady industry certificate.

Career Readiness

28017

Career Exploration is open to Freshmen, Sophomores and Juniors who are looking to strengthen their interpersonal, communication, problem-solving, and self-advocacy skills for the workplace. Working with peers, instructors and outside businesses, students are exposed to hands-on career exploration strategies, including future planning and job search skills. Students learn intra-personal communications and conflict resolution strategies while learning what constitutes appropriate behavior in the workplace. Students will identify and leverage personal strengths and learning styles to apply with interviews. Students are exposed to financial literacy concepts such as paying taxes, as well as saving and spending within a budget. Students who excel in career exploration are given priority placement in CTE programs.

Level: CP/Honors
Open to: Grades 9, 10 & 11
Credit: 0.5
Prerequisite: None
BHS Graduation Standards: ELA credit

Level: CP/Honors
Open to: Grades 10, 11 & 12
Credit: Up to 2 annually
Prerequisite: Career Exploration 1 or recommendation from CTE
Eligible for Dual / Concurrent Enrollment: SMCC (Career Development 2)
BHS Graduation Standards: ELA credit

Career Exploration Courses

Do you dream of designing and building your own home? Are you on the college track and want to develop other skills? Are you a “non-traditional” student wanting to explore different career options? These interactive classes introduce you to a number of different fields that can help you make career choices or just learn something new in a fun way.

Instructors:

Mr. Ethan Davis

Ms. Carole LePauloue



House Design

#17036

Are you interested in learning how to design a house? In this course you will create your own house design and prepare a set of plans that could be used by trade professionals to build your design. This is an introductory class to give students exposure to a potential BRCOT program.

Level: CP
Open to: Grades 9, 10, 11, & 12
Credit: 0.5 (Fall & Spring semester)
Prerequisite: None

Basic Carpentry

#17026

Carpentry and the building of homes is a vital part to our economic stability. Students will explore and learn the required skills to construct basic projects that relate to the building trades. There are several related issues and topics such as economics, science, engineering and math that will be discussed. Other skills that will be learned will be the safe and proper use of hand tools, portable power tools and power machines. Strict safety requirements and practices will be expected and adhered to at all times.

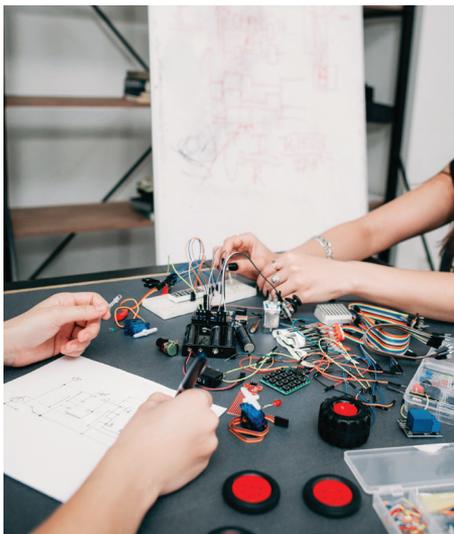
Level: CP
Open to: Grades 9, 10, 11, & 12
Credit: 0.5 (Fall & Spring semester)
Prerequisite: None

Project Bike

#17416

In the process of building a recumbent bicycle from the ground up, students will be introduced to a variety of hand and power tools as well as to the basic systems which make up the bicycle. The skills and knowledge from this class are widely useful outside of working on bikes, both in job situations and in general life. Topics in this class including metalworking, welding and brazing, and mechanical systems also will provide a good background for further study at the Biddeford Regional Center of Technology in such programs as Welding, Precision Machining, Automotive, Auto Body, and Plumbing.

Level: CP
Open to: Grades 9, 10, 11, & 12
Credit: 0.5 (Fall Semester)
Prerequisite: None



Introduction to Programming

#17106

This is an exploratory course to introduce students to the concepts of programming, different programming languages, and basic app development. Students will also gain an understanding of computer logic, which will enhance problem solving skills. No previous coding experience is required as we will begin with block-style programming and work our way into other programming languages.

Level: CP
Open to: Grades 9, 10, 11, & 12
Credit: 1 (Fall Semester)
Prerequisite: None

Introduction to Robotics

#17056

Students will build and program robots using problem solving strategies. Students will work hands-on in teams to design, build, program, and document their progress. Topics will include motor control, gear ratios, torque, friction, sensors, timing, program loops, and decision-making.

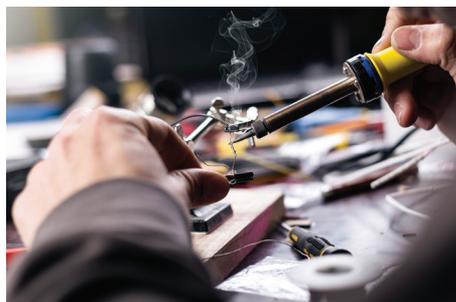
Level: CP
Open to: Grades 9, 10, 11, & 12
Credit: 0.5 (Fall Semester)
Prerequisite: None

Advanced Robotics

#17066

A continuation of the Robotics course where students will explore robot mechanisms and intelligent controls. Various control and coding devices will be tested. Students will design and build a robotic system to complete a real-world task.

Level: CP
Open to: Grades 9, 10, 11, & 12
Credit: 0.5 (Spring Semester)
Prerequisite: Introduction to Robotics



Metal & Materials

#17086

Students will learn the foundations of fabrication and joining methods including various types of soldering and cold connections such as rivets, hinges, tab constructions and more. Students will explore inlay, stone setting in bezels, forging, and other decorative techniques such as roller printing, coloration of surface, and stamping. Instructors will guide students in designing expressive projects while allowing students to integrate personal meaning.

Level: CP
Open to: Grades 9, 10, 11 & 12
Credit: 0.5 (Spring Semester)



Introduction to Digital Media

#12306

Introduces basic skills and conceptual development in photography and related digital media. This course offers students opportunities to develop fundamental skills in photographic composition. Techniques include: Rule of Thirds, Balance, Light, Point of View, Pattern, Motion, Selective Focus, Contrast and Variety, Texture, Mood, Framing and Depth of Field. Students will be required to develop a print and/or electronic portfolio.

Level: CP
Open to: Grades 9, 10, 11 & 12
Credit: 0.5
Prerequisite: None

Exploring Trades

#17096

This program is an unique opportunity to explore a variety of trades. This fun filled interactive class will provide an opportunity to learn about the different trades and technical careers such as welding, automotive repair, engineering and others. You will acquire basic skills that will prove fundamental if you decide to continue your education at the Biddeford Regional Center of Technology.

Level: CP
Open to: Grades 9, 10
Credit: 0.5 (Spring Semester)

Food & Farming Production

#17416

This course will introduce the students to the skills, knowledge and science around healthy food production at both the large scale and home scale levels. A variety of related material will be covered, and in the process, the student will gain experience using a variety of hand and power tools. Topics in this class also will provide good background for further study at the Biddeford Regional Center of Technology (COT). Examples of such topics include nutrition and nutritious food production which connects with the health related programs (CNA, EMT and Medical assisting) and the fabrication of structures for growing food which ties in to the Residential Construction program.

Level: CP
Open to: Grades 9, 10, 11, & 12
Credit: 0.5 (Spring semester)
Prerequisite: None



Engineering, Architecture & Design Program

Do you have an interest in career fields that use Computer Aided Design known as CAD? These career fields include: All disciplines of Engineering mechanical, computer, electrical, nuclear, civil, etc.) Architecture, Interior Design, Landscape Design, Industrial Design, and more. Do you like to invent, design, and create? Do you want to earn six college credits while in high school? If you have an interest in the most powerful design software, this is a course for you! Be a part of “The Next Industrial Revolution.” Design and make complex objects with our state of the art 3D printer. Join the rapidly emerging field of Additive Manufacturing and Rapid Prototyping that will revolutionize the way we live. Students in this program are job shadowing at local engineering and architecture firms and experiencing first hand what their future careers will look like. You will learn the newest versions of Computer Aided Drawing (CAD) software, and also learn hand drafting, sketching, and architectural model building. The course includes field trips to local engineering and architecture firms and hosts engineers and architects as guest speakers.



Engineering & Architectural Design I & Project Lead The Way

#23046

This course will involve the production of 2D and 3D technical drawings that meet industry standards using SolidWorks, AutoCAD, Inventor, and Revit Architecture CAD software. 3D printing, model building, sketching, and mechanical tool drawing will be covered. As students create drawings in different formats, emphasis will be placed on precision and accuracy, use of symbols, line types, line weights, orthographic projection, multi-view placement, text format, dimensions, section views, auxiliary views, isometric views, and plotting accuracy. A variety of design fields will be reviewed with an emphasis on ASME graphics standards. In Project Lead The Way Engineering, students engage in open-ended problem solving, learn and apply the engineering design process, and use the same industry-leading technology and software as are used in the world’s top companies.

“ Learning with purpose.
Learning that works. ”

– P. Bonneau, Director

Level: CP
Open to: Grades 9, 10, 11 & 12
Credit: 4
Prerequisite: Grade level reading, writing, and math skills for college-level coursework
BHS Graduation Standards: Math & Physical Science credit
Eligible for Dual/Concurrent Enrollment: SMCC AEDD 105 3 Credits



Engineering & Architectural Design II

#23036

For students with a strong desire to enter into an engineering, architectural or design related career. This course is for self-motivated, advanced students who may work with businesses and community members on design projects. Textbook work will cover the use of Solidworks CAD software. 3d printers and an Epilog Laser cutter/engraver are used for projects as needed. Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software. Revit Architecture, Inventor, and Autocad CAD software are also used on an as needed project basis.

- Level:** CP
- Open to:** Grades 10, 11 & 12
- Credit:** 4
- Prerequisite:** Engineering & Architectural Design I
- BHS Graduation Standards:** Math, Fine Art & Physical Science credit





Auto Body Technology I

#27016 & 27026

Students should be self-motivated and able to work in a group or individually. Students will spend time each day in the classroom learning Auto Body repairs through industry recognized I-Car curriculum in the areas of body repair, power tools, hand tools, welding, surface preparation, plastic repair, and vehicle technology and then develop those skills in the shop to be able to repair automobiles to today's standards.

Level: CP
Open to: Grades 11 & 12
Credit: 4
Prerequisite: Strong, Basic Math Skills, Positive attendance history, and the ability to read, comprehend and write at the high school level are recommended for success in this program. Able to work both independently and as part of a team. Students with respiratory ailments need medical doctor's permission.

BHS Graduation Standards: Fine Arts credit

Auto Body Technology II

#27036 & 27046

Auto body II covers the refinishing part of the industry. Students learn proper metal treatment, priming, paint mixing, alternate colors, paint matching, paint blending, base coat and clear coat finishes through industry recognized I-Car curriculum. Students will spend time each day in the classroom and then further develop their body repair skills in the shop, and refinish automobiles to today's standards. Successful second year students may be placed in off site settings while earning credit and industry recognized certifications. Upon successful completion of Auto Body II students will be employable at the entry level technician or further their education in a technical college.

Level: CP
Open to: Grade 12
Credit: 4
Prerequisite: Successful completion of Auto Body Technology I and Instructor recommended.

BHS Graduation Standards: Fine Arts credit

Automotive Technology I

#27056 & 27066

Automotive theory learned in the classroom will be applied in the Automotive Technology laboratory. This program follows the automotive standards set by National Automotive Technicians Education Foundation (NATEF) and Automotive Service Excellence (ASE). The first year curriculum includes: career paths available in the automotive industry, communication, problem solving, customer relations, technical writing, reference material use, diagrams, shop safety, tool orientation, vehicle maintenance, tire theory and service, brake theory and service for drum, disc and brakes, cooling system theory and service, electrical theory fundamentals, charging systems, cranking systems, and related math and science topics.

Level: CP

Open to: Grades 11 & 12

Credit: 4

Prerequisite: Strong, Basic Math Skills, Positive attendance history, and the ability to read, comprehend and write at the high school level are recommended for success in this program. Able to work both independently and as part of a team.

BHS Graduation Standards: Math, ELA, Fine Arts, & Science credit

Automotive Technology II

#27076 & 27086

Automotive Technology II will build on skills that were acquired in Automotive Technology I. The second year of the automotive technology program includes review of proper shop safety and procedure. Students will progress through the more advanced stages of drive train, brakes, electrical/electronics, handheld meter theory, engine tune up theory and service, emission system theory and service, engine performance, computer controls theory and use, air conditioning theory and service, and alternative energy vehicles and bio fuels. Students will learn how to troubleshoot performance issues using hand held scanners and researching online automotive repair manuals and databases.

Level: CP

Open to: Grade 12

Credit: 4

Prerequisite: Permission of instructor, successful completion of Automotive Technology I.

BHS Graduation Standards: Math, ELA, Fine Arts, & Science credit





Residential Carpentry I

#27096 & 27106

The curriculum for the Residential Carpentry I program is centered around national standards established by the National Association of Home Builders. The program is geared toward community projects. Projects may include new construction or renovation with an emphasis on residential carpentry skills. Residential Carpentry I covers fundamentals required to engage in the building process. Positive work habits and employable skills are stressed. Students learn applied academic skills required to perform hands-on tasks and will practice that knowledge on a number of shop-based and community construction projects.

Level: CP
Open to: Grades 11 & 12
Credit: 4
Prerequisite: Strong, Basic Math Skills, Positive attendance history, and the ability to read, comprehend and write at the high school level are recommended for success in this program. Able to work both independently and as part of a team.

BHS Graduation Standards: Math credit

Residential Carpentry II

#27116 & 27126

The curriculum of the Residential Carpentry II program continues to center around national standards established by the National Association of Home Builders. The program is geared toward community projects. Projects may include new construction or renovation with an emphasis on residential carpentry skills. Residential Carpentry II will continue to build on the skills developed in RC I. The skills learned in the first year will be further developed and include the building envelope, interior finish, advanced framing techniques and estimating.

Level: CP
Open to: Grades 11 & 12
Credit: 4
Prerequisite: Successful completion of Residential Carpentry I and Instructor recommendation
BHS Graduation Standards: Math credit



Electrical Technology I

#27136 & 27146

This program offers students a state and nationally recognized educational training curriculum that allows students to become licensed electricians, after successfully completing both years of the program and the necessary related work hours in the field. This program also benefits students who are interested in electrical engineering, working at a power plant, HVAC, and alternative power careers. Through classroom activities and hands-on labs, students will study on-the-job safety, electrical theory, residential and commercial wiring techniques and standards. Students will be exposed to real world situations every day. Seniors may elect to return for year two as a post grad.

Level: CP
Open to: Grades 11-12 (Grade 10 with Instructor permission)

Credit: 4

Prerequisite: Strong, Basic Math Skills, Positive attendance history, and the ability to read, comprehend and write at the high school level are recommended for success in this program. Ability to work both independently and as part of a helpful team.

BHS Graduation Standards: Math & Science Credit

Electrical Technology II

#27156 & 27166

This is the second year of the two-year Electrical program, with the option of a third year in postgraduate study. Areas of study include commercial and industrial wiring practices including mechanical conduit bending, motors, transformers and motor controls. Consists of level 2 & possibly 3 of NCCER curriculum. Students will be exposed to real world situations every day. Successful students in this program will meet the educational requirements for a State of Maine Journeyman's Electrician's license.

Level: CP
Open to: Grade 10, 11 & 12
Credit: 4
Prerequisite: Successful completion of Electrical Technology I and Instructor recommendation.

BHS Graduation Standards: Math & Science credit

Manufacturing Technology I

#27176 & 27186

Do you like to make or create things from raw materials using machines? This course will allow you to practice entry level skills that are in high demand in our community, and throughout the nation. This is a program where you will learn how to set up and operate a variety of machines to remove material (subtractive machining) to make finished parts from start to end, and reading blueprints as you progress through a series of projects in the lab. You will learn how to use and run CNC (Computer Numerical Control) machines. Learn the fundamental skills in operating machinery like: a manual lathe, milling machine, surface grinder, CNC lathe, and CNC Milling Centers.

Level:	CP
Open to:	Grades 11 & 12 (Grade 10 with instructor's permission)
Credit:	4
Prerequisite:	Strong, basic math skills, positive attendance history, and the ability to read, comprehend and write at the high school level are recommended for success in this program. Able to work both independently and as part of a team.

BHS Graduation Standards: Math credit

“More than 80 percent of manufacturers report that talent shortages will impact their ability to meet customer demand.”

– ACTE, 2020



Manufacturing Technology II

#27196 & 27206

Manufacturing Technology II is a continuation of the first course where students will continue to improve their skills for employment. This year you will learn how to program those computerized milling machines (CNC) by learning its computer language (FANUC) to create metal parts to an accuracy of plus or minus the thickness of a sheet of paper. We will take field trips to local manufacturing facilities to see state-of-the-art equipment being used to make high quality (and high value) parts for the aerospace, military, and medical industry. Successful completion of the course will enable graduates to fill full-time positions in the Precision Manufacturing trades.

Level:	CP
Open to:	Grade 12
Credit:	4
Prerequisite:	Successful completion of Manufacturing Technology I
BHS Graduation Standards:	Math credit

Welding & Metal Fabrication I

#27216 & 27226

The first year will provide students with the fundamentals and basic skills needed to get into the field of welding and metal fabrication. Hands-on lab work will primarily include Shielded Metal Arc Welding (SMAW), some Metal Inert Gas Welding (MIG) and oxy acetylene cutting. The proper use of safety equipment, maintaining a safe working environment, safe working practices and other soft skills are also taught and strongly enforced. The class curriculum follows standards set by the American Welding Society (AWS) and the National Center for Construction Education and Research (NCCER), each which offers students with nationally recognized credentials.

Level: CP

Open to: Grades 11 & 12

Credit: 4

Prerequisite: Strong basic Math Skills, positive attendance history, and the ability to read, comprehend and write at the high school level are recommended for success in this program. Able to work both independently and as part of a team. Students with respiratory/medical issues need a medical doctor's permission.

BHS Graduation Standards:

Math, Fine Arts & Physical Science

Eligible for Concurrent Enrollment: EMCC



Welding & Metal Fabrication II

#27236 & 27246

Description: The second year classroom instruction will include complete coverage of blueprint reading and welding symbol interpretation. Basic metallurgy and weldability of different metals along with both the destructive and non-destructive examination of welds will also be covered. The lab work includes the continuation of mastering the SMAW process in all four positions. Students will also need to perform projects using Tungsten Inert Gas welding (TIG), and Flux Core Arc Welding (FCAW). Pipe welding will be introduced.

Level: CP

Open to: Grade 12

Credit: 4

Prerequisite: Successful completion of Welding and Metal Fabrication I

BHS Graduation Standards: Math, Fine Arts & Physical Science

Maine CTE Outcomes

In school year 2018, according to the U.S. Department of Education:

- 92% of Maine CTE concentrators graduated
- 91% met performance goals for technical skills
- 96% went on to postsecondary education, the workforce or the military
- 94% of Maine CTE postsecondary students met performance goals for technical skills

Plumbing & Heating Technology I & II

I: #27256 & 27266 II: #27276 & 27286

Have you considered pursuing a challenging and a high-paying career in the plumbing and/or heating field? The plumbing and heating trades are one of the most attractive sectors of the skilled trades industry thanks to the good pay, varied work, and potential for advancement. The first year of this program offers students a nationally-recognized educational training curriculum that provides students a pathway to become a licensed plumber. This program also benefits students who are interested in mechanical engineering, HVAC and green power technologies. Year two of the program, you will be introduced to a career in heating technology. This challenging and relevant plumbing program prepares you towards the State of Maine Journeyman's License Exam, OSHA 10 Certification and preparation for LP & Natural Gas License and Refrigerant Certifications.

Level:	CP
Open to:	Grade 11 & 12 (Grade 10 with instructor's permission)
Credit:	4
Prerequisite:	Strong basic math skills, positive attendance history, and the ability to read, comprehend and write at the high school level are recommended for success in this program. Able to work both independently and as part of a team.

BHS Graduation Standards: Physical Science



“ 3 million workers will be needed for the nation’s infrastructure in the next decade, including designing, building and operating transportation, housing, utilities and telecommunications. ” ACTE, 2020

Teaching & Early Education - PM Session

#25016 & 25026

This year-long college prep course is an exploration of a career working with children in an educational setting. This class prepares students for postsecondary education within a variety of pathways: classroom teacher, social worker, occupational therapist, physical therapist, or as a teacher in a child care program. Students engage in rigorous coursework which follows industry competency standards by adhering to best practice as outlined by the National Association for the Education of Young Children (NAEYC). Students run an onsite simulation preschool program (Mother Goose) and plan developmentally appropriate activities which are aligned with Maine's Early Learning & Developmental Standards. Students may also have the opportunity to job shadow and/or internship in a local child care program or in an elementary classroom. This course can be taken as part of a two-year course of studies along with Introduction to Education.

Level: CP

Open to: Grades 10, 11 & 12

Credit: 4

Prerequisite: Great attendance, good interpersonal skills, and a strong work ethic are skills necessary for success in this class. Active learners who are excited about the fields of teaching, social work, and counseling can benefit from this class. Students will be expected to conduct themselves in a respectful, professional manner at all times.

BHS Graduation Standards:

Social Science & ELA credit

Eligible for Dual / Concurrent Enrollment:

YCCC up to 6 credits

Industry Recognized Certifications:

AHA First aid/Infant/Child/Adult CPR, ServSafe Food Handler, Mandated Reporting, and Health and Safety Basics.

Introduction to Education - AM Session

#25056/25066

This class is an introduction to the world of education. Students will begin their understanding of human growth and development by studying children of all ages. Students will begin to understand the whole child's development which includes physical, cognitive, and social-emotional. Students will investigate teaching as a profession and how the field of education has changed. Students will be exposed to a variety of educational settings and may participate in field trips, job shadow opportunities, and community outreach. Students should expect to work with children, exercise communication skills, responsibility, dependability, and work well independently as well as part of a team. This course can be taken independently or as part of a two-year course of studies along with Teaching and Early Education. Industry Recognized Certifications: AHA First aid/Infant/Child/Adult CPR and Mandated Reporting.

Level: CP

Open to: Grades 9, 10, 11 & 12

Credit: 4

Prerequisite: Attendance is a crucial component of this course, as well as completing the required number of field-work and classroom hours in various job shadows and internships. Both in the field placements and in the classroom students will be expected to conduct themselves in a respectful, professional manner at all times.

BHS Graduation Standards:

Social Science & ELA credit



Technical Reading & Writing

#21066

This course is designed to develop student language, reading and composition skills in a manner relevant to labor market expectations. Emphasis is on reading strategies, student success strategies, and technical writing.

Using a learn-by-doing approach, students are introduced to the methods of writing used in business and technical documents. They will study and practice various forms of technical communication such as brief correspondence, informative reports, investigative reports, instructions, employment communication, recommendation reports, and proposals. Students will also study workplace ethics. This course meets the Senior English requirement for BHS students.

“ CTE prepares students for high wage, high skill, high demand careers. ”

– ACTE

Level:	CP
Open to:	Grade 12
Credit:	1
Prerequisite:	None
BHS Graduation Standards:	ELA



Health Assistant/CNA

#24016 & 24026

This rigorous college preparatory course is for students who enjoy working with people and are considering a career in the healthcare field. All students in this program pursue nursing assistant training. Students have classroom and laboratory experiences at the Center of Technology and 80 hours of clinical experience at a local nursing home and hospital. This program provides a strong science foundation that prepares students to continue their education in any of the health care fields or to work as a certified nursing assistant. All successful students will be eligible to take the Maine State Nursing Assistant exam. Students can also earn their CPR/Basic Life Support Healthcare Provider Certification. Similar training elsewhere may cost a student in excess of \$1200, whereas high school students may take this program free of charge.

- Level:** CP or Honors
- Open to:** Grades 11 & 12
- Credit:** 4 (Honors level earns college credits)
- Prerequisite:** Biology and/or Chemistry. Students must be 16 years of age prior to the first day of classes at BRCOT. Appropriate reading, writing, and math skills for college-level coursework and excitement about the field of medicine.
- BHS Graduation Standards:** Life Science & Health credit
- Eligible for Concurrent Enrollment:** SMCC

Medical Assisting

#24036 & 24046

This course prepares students to be a step ahead in their pursuit of college and careers in the medical field, the business world and/or to help prepare for entry-level positions in these fields. Topics covered are: patient care, medical terminology, basic anatomy and physiology, diagnostic clinical procedures, CPR and First Aid, medical laws, ethics, scheduling, medical coding, billing, current events, varied medical office procedures that will prepare students for a career in Medical Assisting.

- Level:** CP or Honors
- Open to:** Grades 11 & 12 (Grade 10 with Instructor permission)
- Credit:** 4 (Honors level earns college credits)
- Prerequisite:** Appropriate reading, writing, and math skills for college-level coursework and excitement about the field of medicine.
- BHS Graduation Standards:** Life Science & Health credit
- Eligible for Concurrent Enrollment:** CMCC





Emergency Medical Services

24086/24086

The Emergency Medical Services (EMS) Program provides students with skills necessary to respond to emergency calls, provide efficient and immediate care to critically ill or injured persons and transport patients to a medical facility. The EMT training program is a one-year course that includes classroom and hands-on education. Students receive instruction in anatomy and physiology and patient assessment. Extensive reading and written work is required. Upon completion of the course the student will be eligible to take the National Registry EMT written and skills exams. Successful completion of those exams will gain the student National Registry certification as an EMT Basic and make the student eligible to obtain license as a Maine EMT-B.

Level: CP
Open to: Grades 11 & 12 (Grade 10 with Instructor permission)
Credit: 4
Prerequisite: Must be 16 years of age prior to January 1st. Appropriate reading, writing, and math skills for college-level coursework and interest in the field of medicine.

BHS Graduation Standards: Science & Health credit

Eligible for Concurrent Enrollment: SMCC

Introduction to Medical Science

#24056 & 24066

This program prepares students to further their education on the professional or technical level in any of the 300+ health career fields. Students in this course learn human anatomy, physiology, and pathophysiology. Students will complete independent study in a variety of areas and may complete a number of job-shadowing in various healthcare fields (e.g. dental, therapy, dietary, radiology, etc.). These students will take the National Healthcare Foundations Skills Assessment certification exam and will be prepared to make an informed decision regarding their healthcare career choice and their college major.

Level: CP or Honors
Open to: Grades 11-12 (Grade 10 with Instructor permission)
Credit: 4 (Honors level earn college credits for 12th grade students)
Prerequisite: Chemistry or biology, positive attendance, good interpersonal skills, and a strong work ethic. Active learners who are excited about the field of medicine.
BHS Graduation Standards: Life Science & Health credit
Eligible for Concurrent Enrollment: SMCC, YCCC

Did you know two-thirds of COT graduates attend post-secondary schools?



Recent Graduates Attended:

Arizona State University
Bentley University
Bridgewater State College
Carroll College Montana
Central Maine Community College
Colby Sawyer College
College of Central Florida
Eastern Maine Community College
Elmira College
Endicott College
Framingham State University
Husson University
Mason City
Lasell College
Lesley University
Florida State University
Maine College of Art
Maine Maritime Academy

Mercyhurst University
New Hampshire Technical Institute
Northeastern University Northern
Maine Community College
Massachusetts College of
Pharmacy
Norwich University
Nova Southeastern University
Plymouth State University
Rensselaer Polytechnic Institute
Rivier College
Sacred Heart University
Southern Maine Community
College
Southern New Hampshire
University
St. Anslem College

St. Joseph's College
St. Michael's College
Suffolk University
Thomas College
Quinnipiac College
United States Army
United States Marine Corp
University of Colorado
University of Maine at Orono
University of Maine—Framington
University of New England
University of Southern Maine
Unity College
York County Community College
Wentworth Institute of Technology
Stonehill College

Do you know COT students have career enrichment opportunities through the support of the following?

- Advance Auto Parts
 Allen Range Road Used Auto Parts
 Allergy & Asthma Assoc. of Maine
 Andre Faucher Drywall
 Animal Medical Center – Saco
 Arundel Ford
 Arundel Machine Tool Co. Inc.
 Associated Builders and Contractors of Maine
 Astro Automotive
 Aube-Plamondon Electric
 Auto Zone
 AVX Tantalum Corp.
 Baker Company
 Bank of Maine
 Biddeford Animal Hospital
 Biddeford Arena & Expo Center
 Biddeford Athletic Association
 Biddeford District Court
 Biddeford Middle School
 Biddeford Police Department
 Biddeford Primary School
 Biddeford-Saco Chamber of Commerce
 Biddeford Saco Savings Bank
 Biddeford/Saco Rotary Club
 Bill Automotive
 Bob's Auto
 Boucher Electric
 Bruce's Auto Service, Inc.
 Builder's Supply
 Caleb Johnson Architects
 Camille's Electric
 Carl Goodwin Construction
 CarQuest
 Casco Bay Steel
 CIA Salvage, Inc.
 Cianbro
 Cisco Systems
 City of Biddeford, Parks and Rec.
 City of Biddeford, Public Works
 Coastal Enterprises Inc.
 Cumberland County Sheriff
 Curlew Brothers
 David Wood, Attorney at Law
 Deering Lumber
 Diana Sainte, Acupuncturist
 Downeast Construction
 Education Foundation
 Flotation Buoyancy
 Dr. Dean G. Tourigny, DDS
- Dr. Denise Couture, Chiropractor
 Dr. Gary Winn, D.O.
 Dr. James Murray, DDS
 Dr. Marc Malon, Chiropractor
 Dr. Robert Vaughan, Prime Care
 DSM Metal Fabrication
 Dube's Drywall Supply
 Dutch Elm Golf Course
 Evergreen Manor
 Fairfield School
 Gallant Electric
 German Auto Services
 Gervais Dube Properties
 Gilman Electric Supply
 Hancock Lumber
 Heart of Biddeford
 Heartwood Distributors
 Huntington Commons
 Hussey Seating
 Husson University
 Independence Auto, Inc.
 Integrity Composites
 IAPMD
 Jim Godbout Plumbing
 Jim's Auto Salvage, Inc.
 Joe McKenney Photography
 Joe Troegner's Auto Service
 John F. Kennedy Kindergarten Ctr.
 Junaro, Inc
 Just for Kids Dental Associates
 Katie McCarter, Athletic Trainer
 Kennebunk Police Department
 Kennebunk Veterinary
 La Kermesse Franco-Americaine
 Maine Attorney General
 Maine Criminal Justice Academy
 Maine Game Wardens
 Maine Medical Center
 Maine State Troopers
 Mark Pollard Electric
 McAllister Machine
 Mercy Hospital
 Metso
 Michael Purdue, Private Investigator and Westbrook Public Safety Director
 Moody's Collision Center
 MotorLand
 Napa Auto Parts
 Neil's Motors, Inc.
 New England Building Materials
- New England Tech Air
 Northeast Electrical Distributors
 Old Orchard Beach Police Dept.
 Paulsen Tire
 Pepperell and North Dam Mills
 Plastic & Hand Surgical Assoc.
 Portsmouth Naval Shipyard
 Pratt & Whitney Precision Manufacturing Solutions
 Prime Auto
 Prime Care Pediatrics, Biddeford
 Prime Care Pediatrics, Saco
 PSMP Inc.
 Rod's Electric
 Saco & Biddeford Savings Institute
 Saco Bay Orthopedics
 Saco Bay Rotary
 Saco Biddeford Savings Bank
 Saco Community Gardens
 Saco Food Pantry
 Saco Parks & Rec. Department
 Saco Police Department
 Saco Valley Auto Care
 Sanford Police Department
 Seal Rock Health Care Facility
 SMHC Visiting Nurses
 Soleras LTD.
 Southern Maine Health Care
 Southridge Rehab & Living Center
 Standard Electric Supply
 Sterling Rope
 Spang Builders
 Sue Richardson, OT
 Sullivan Tire & Auto
 Superior Paint & Supply
 T+D Little Clouds, Scarborough
 TJ's Pizza
 University of New England Health
 US ATF
 US Customs, Border Enforcement
 US DEA
 US FBI
 US Homeland Security
 US Marshals
 US Secret Service
 Waterboro Elementary School
 Wells Physical Therapy
 Windham Police Department
 York County District Attorney's Office
 York County Superior Court

Career Possibilities

BRCOT classes are just the beginning! Your education and training here can launch your career path, whether you are planning on continuing your education or directly entering the workforce following graduation. In some programs, industry certifications can be earned that will bring immediate employment opportunities. You may also earn college credits, as many of the programs have credit bearing agreements with Maine colleges. Where will your BRCOT experience take you?

Business & Financial Management . . . 6-8

- Accountant
- Business Owner or Manager
- Financial Advisor / Planner
- Sports Manager
- Insurance Agent
- Stock Broker / Analyst
- Bank Loan Officer
- Project Manager
- Purchasing Agent
- Bank Operations / Branch Manager
- Real Estate / Property Manager
- Supervisor / Mid-level Manager

Legal Studies 8

- Crime Scene Investigator
- Game Warden
- Law Enforcement
- Lawyer
- Paralegal
- US Drug Enforcement Officer
- FBI Agent
- U.S. Marshal
- Homeland Security Agent
- Correctional / Probational Officer
- Forensics / Criminologist
- Intelligence Analyst

Computer Technology Programs 9-10

- Cybersecurity Specialist
- Programming Specialist
- Network Administrator
- IT Administrator
- Graphic Designer

Engineering & Architectural Design 15-16

- Mechanical Engineer
- Aeronautical Engineer
- Architecture
- Civil Engineer
- Computer Engineer
- Interior Designer
- Environmental Engineer
- Robotic Engineer

Auto Body Technology 17

- Auto Body Repair
- Auto Dismantler
- Frame Technician
- Auto Body Restorer
- Vehicle Detailer
- Paint Preparer
- Vehicle Painter
- Shop Manager
- Used Car Reconditioner
- Auto Refinisher
- Insurance Adjuster

Automotive Technology 18

- Automotive Repair
- Service Estimator
- Small Engine Tech
- Motorcycle Tech
- ATV Tech
- Shop Owner
- Automotive Dealer
- Transmission Tech
- Service Manager
- Engine Rebuilder

Residential Construction 19

- Carpenter
- General Contractor
- Project Manager
- Roofer
- Drywall Installation & Finishing
- Insulator
- Flooring Installation
- Tiler
- Cabinet Maker
- Cost Estimator

Electrical Technology 20

- Electrician
- Electrical Contractor
- Electrical Engineer
- Electrical Sales
- Electronics
- Security / Fire Alarms Technician Appliance Repair
- Military
- Utility Line Worker
- Alternative Power Technician Manufacturing
- Wind Turbine Technician

Manufacturing Technology 21

- Machinist
- Setup Technician CNC Operator
- Repair Tech
- Tool & Die Maker
- Mold Maker
- Mechanical Engineer
- Shop Manager
- Shop Owner
- Manufacturing
- Engineer
- Electro Mechanical
- Machine Assembler

Welding & Metal Fabrication 22

- Technician/Engineer
- Welder Fitter/Cutter
- Fabricator
- Welding Inspector
- Maintenance Welder
- Production Welder
- Pipe Welder
- Structural Welder
- Welding Tester
- Welding Supervisor
- Boiler Maker Welder
- Industrial Machine
- Structural Metal Fabricator
- Metalsmith

Plumbing & Heating 23

- Residential Plumber
- Mechanical engineer
- Architecture
- Pipefitter and Steamfitter
- Civil Engineer
- Construction Project Manager
- HVAC Technician

Teaching & Early Education 24-25

- Teacher
- Nanny
- Psychologist
- Counselor / Social Worker
- Speech/Language Pathologist
- Occupational / Recreational Therapist
- Child Care Worker / Child Care Owner
- Recreation Worker
- Librarian
- Nutritionist

Medical Assisting 26

- Medical Assistant
- Nursing
- Radiography
- Veterinary Science
- Medical Sonographer
- Physician Assistant
- Occupational, Respiratory, or Physical Therapist
- Athletic Trainers
- Dentistry
- Surgical Technologists
- Physician
- Medical and Healthcare Manager
- Nutritionist or Dietitian
- Pharmacist

Introduction to Medical Science / Health Assistant / CNA 27

- Registered Nurse / Nurse Practitioner
- Physician / Physician Assistant
- Occupational / Physical Therapy
- Dental Hygienist / Dentist
- Emergency Medical Technician
- Optometrist / Optician
- Veterinary Technician / Veterinarian
- Radiologic Technologist / Sonographer
- Laboratory Technician / Phlebotomist
- Counselor / Social Worker
- Pharmacy Technician / Pharmacist
- Athletic Trainer / Personal Trainer



Carpentry

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Business Education

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Plus More Classes Inside!

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