

Career Development Center

Career Events

- Canstruction
- Career Expo
- Construction & Technology Career Day
- STEM Hub Engineering Day
- Odyssey of the Mind
- P-TECH Summer Bridge
- STEM Hub Robotics Day
- STEAMfest
- STEAM Pathways Event
- Trade Committee Breakfast*
- Trade Committee Dinner*
- Visions' Life is a Reality
- Recruitment Day *
- Signing Day *
- SPARK
- Summer STEAM Academy
- 5th Grade CTE Summer Camp *
- 5th Grade CTE Visitation Day*

Career Programs

- Adult Education – Job Training
- Career & Technical Education
- Community-based Work Experience
- New Visions
- Pathways in Technology Early College High School
- STEM Hub
- Summer Youth Employment
- Youth Apprenticeship

Career Readiness

- Career Workshops*
- Co-Ops/Internships*
- Clinical Rotations*
- Guest Speakers
- Job Shadows/Tours
- Mock Interviews*

Post-Secondary Readiness

- Articulations*
- Fast Forward*
- Guest Speakers*
- College Tours*

*BOCES only

Adult Education

BOCES' Adult Education offers transition opportunities in a wide range of career fields, including:

- Building Maintenance
- Certified Nurse Aide
- Cosmetology
- Phlebotomy
- Practical Nursing
- Residential Electricity
- Sterile Processing Technology



Visit us on the Web: adulthood@btboces.org

To download copies of our informative course fliers, click "Career Education."

Center for Career & Technical Excellence

@ Broome-Tioga BOCES



Internships



Integrated academics



Problem solving



High-tech



Career readiness



Project-based Learning



Communication



Leadership

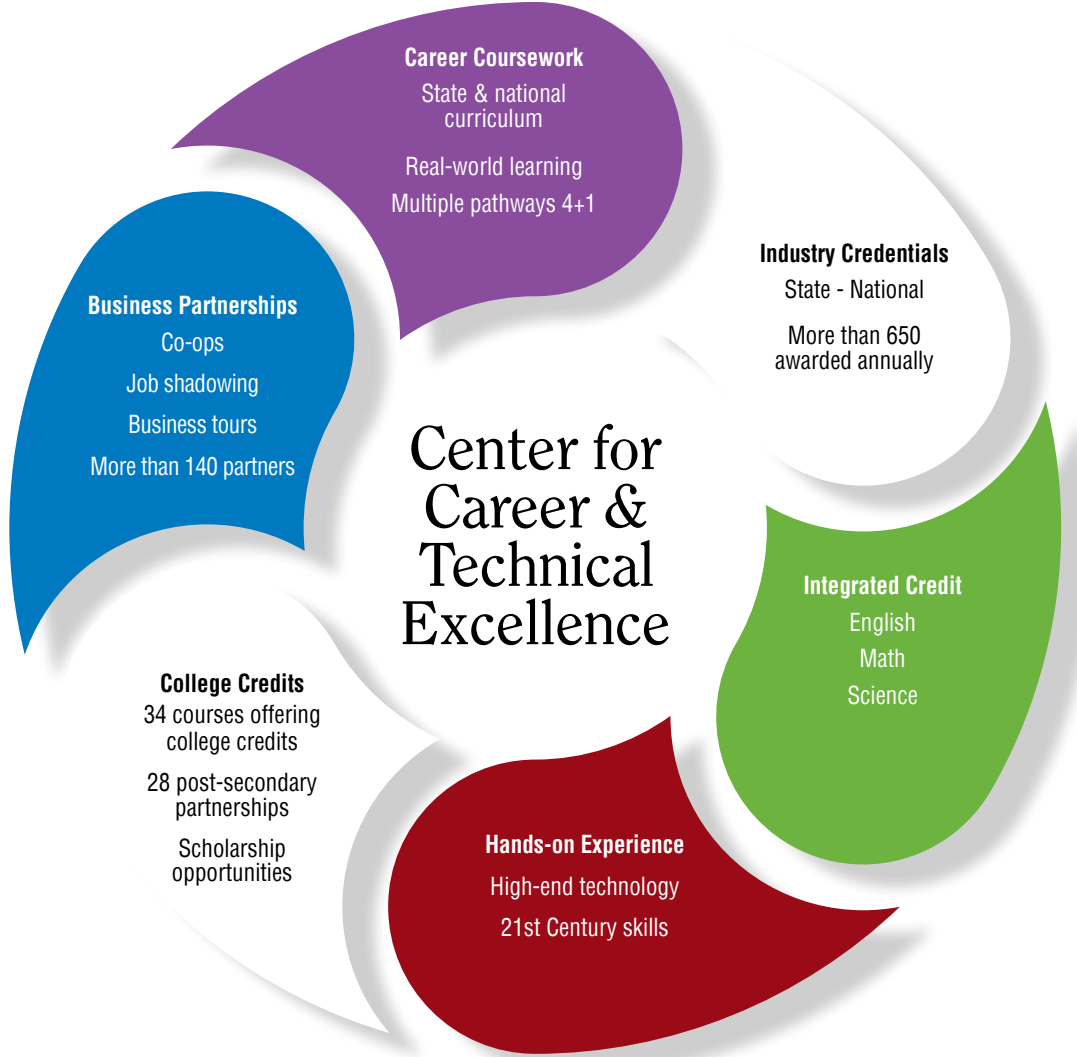


Exploration

The path to college and career readiness

Preparing students for college and a promising career

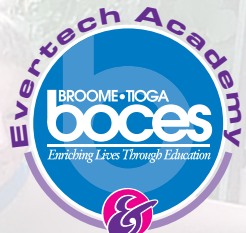
The Center for Career and Technical Excellence at Broome-Tioga BOCES offers a wide variety of programs for high school and adult students. These programs prepare students for a full range of experiences in the world of work. They prepare students at all levels of academic achievement and desire. Along the way, students have the opportunity to engage in college-level coursework, earn college credits, work with business partners, acquire hands-on skills training in a high-tech environment, earn integrated academic credits, and obtain industry-endorsed credentials. It is our mission to educate, empower, and inspire all of our students to realize their full potential and pursue lifelong success.



- Career coursework
- College credits
- Business partnerships
- Hands-on experience
- Industry-endorsed credentials
- Integrated credit (ELA, math, science)

Evertech Academy (full day - 4 years, 22 credits total)

Evertech Academy is a full-day* career and technical education (CTE) program that begins in 9th grade and continues through graduation. The academy offers students the opportunity to pursue a CTE program simultaneously with a regents diploma. Students in grades 9 and 10 participate in half-day tech academy project-based learning courses embedded with English, art, math, science, and technology credits. Classes in grades 11 and 12 include traditional CTE courses along with the required academic credits needed for graduation. The academy provides a tight-knit, supportive high school experience offering students a highly individualized education.



P-TECH

(Pathways in Technology Early College High School)
(2 years at BOCES, 3 credits per year, grades 10 -11)



Pathways in Technology Early College High School (P-TECH) is an innovative learning experience that blend the best elements of high school, college and the professional world.

P-TECH enables students to begin their college and professional lives more quickly and with more support than the typical school-to-work pathway. P-TECH graduates can earn a tuition-free associate degree and leave school with the skills and knowledge they need to continue their studies or step seamlessly into competitive STEM jobs.

P-TECH content options

- Computer technology
- Engineering
- Health studies

Students receive extended-day support, including after-school tutoring, online collaborations, monthly career workshops and summer institutes.



Tech Academy (half day - 2 years)

Beginning in 9th grade, students in year one earn course credit in ELA-9, art (DDP) and physical science for total of 3 credits toward graduation requirements. In year 2, students earn course credit in technology, art and geometry for 3 additional credits toward graduation requirements.

Introductory Courses

(2 years, 3 credits per year, grades 10-12)

Two-year courses that expose students to these career fields and prepare them for entry-level jobs. All career and technical courses have articulation agreements or opportunities for concurrent credits with post-secondary institutions and/or unions.

Building Trades/ Plumbing Careers

- Experience carpentry, masonry, electricity and plumbing
- Job safety
- Hand and power tool use
- NCCER national credentials

Business Management & Computer Careers

- Advertising and marketing
- Computer software / skills
- Microsoft & Adobe programs

General Automotive Services

- General automotive skills
- Fabrication and design
- Welding and metal working skills
- NCCER national credentials

Hospitality Industry Careers

- Cooking/baking techniques
- Guest services
- Event planning
- Travel & tourism



Career Development Occupational Studies

(2 years, 3 credits per year, grades 10 -12)

Two-year courses that expose students to a career field and prepare them for entry-level jobs. Geared toward students receiving NYS commencement credentials only.

Retail Warehousing Skills

- Retail operations
- Warehousing experiences
- Career field exploration
- Customer service experience



New Visions Academies

(1 year, 4 credits, grade 12)

One-year courses designed for college-bound seniors interested in exploring career opportunities before college. Students can earn between 6 and 10 college credits. Each has a competitive enrollment process.



Business

- Experiences in business, finance and entrepreneurial pursuits
- Hands-on observation and shadowing with professionals
- Introduction to the principles of business
- Participation in the Junior Achievement program
- Work with the Greater Binghamton Chamber of Commerce

Health

- Rotations with doctors, surgeons, nurses and pharmacists
- Research current trends in the health care industry
- Learn from experienced health care professionals

Law & Government

- Placements at the City of Binghamton and with prestigious law firms and local judicial offices
- Work with officials in both the public and private sectors of law and government
- Study the theory and practice of our systems of government and law

Education

- Hands-on opportunities to practice lesson planning and teaching students.
- Learn current trends in instructional practice and technology
- Placements in various educational settings and levels

Engineering

- Participate in the design, creation and testing of an engineering project with local professional engineers
- Visit Binghamton University and its research laboratories
- Experiences at local engineering firms
- Work on programming and 3-D modeling projects



Youth Apprenticeship Program

(1 year, 3 credits - 2 years, 5 credits, grades 11-12)

This program has a competitive hiring/enrollment process that requires an application, recommendations and a job interview. There is **no cost to districts**.

- Participate in a paid or unpaid work experience in occupational field of interest
- Discover connections between academics and employment
- Work with experienced professionals - explore career paths through business rotations
- Learn marketable job skills
- Earn SUNY Broome Fast Forward credit



ADVANCED

Advanced Placement Courses

(2 years, 3 credits per year, grades 11-12)

Two-year courses designed to challenge academically motivated students who are mature and able to work independently. Courses are geared toward students who are on track to receive a regents or advanced regents diploma. All career and technical courses have articulation agreements or opportunities for concurrent credits with post-secondary institutions and/or unions.

Manufacturing

- Develop product from build to sale
- Draw and design for production
- 3-D printer operations

Auto Technology

- Auto mechanics
- Engine performance technology
- Brake and electrical technology
- ASE preparation

Criminal Justice

- Law enforcement/forensics/corrections
- NYS security guard certification
- CPR/First Aid/AED training

Graphics & Gaming Design

- Adobe certified associate in Photoshop
- Multi-media & motion graphics
- Introductory game design & development

Health Science

- Introduction to careers in health care
- Nurse assistant certification
- Clinical experiences
- CPR/AED/First Aid

IT Specialist

- Network construction and maintenance
- Operating systems
- Second-year co-op experiences



Intermediate Courses

(2 years, 3 credits per year, grades 11-12)

Two-year courses designed to engage students and provide them with a foundation to develop a lifelong career. Courses are geared toward students on track to receive a regents diploma. All career and technical courses have articulation agreements or opportunities for concurrent credits with post-secondary institutions and/or unions.

Animal Science

- Veterinary assisting
- Large and small animal systems
- Kennel management

Auto Body Repair

- Custom paint and refinishing
- Car preparation & refurbishing
- ICAR credentials

Carpentry

- Residential construction & remodeling
- Roofing and siding
- NCCER national credentials

Computer-Aided Design (CAD) & 3D Animation

- Architecture, engineering & design
- Computer animation
- 3-D printing

Cosmetology

- State cosmetology licensing
- Salon services
- Nail & skin care
- 1,000 hours required

Culinary Arts

- Cooking/baking techniques
- Safety and sanitation principles
- Serv Safe certification

Electricity

- Residential electricity
- Commercial electrical installations
- NCCER national credentials

Heavy Equipment Repair & Operation

- Construction machine operation
- Equipment repair
- Diagnostic services
- NCCER national credential

Masonry

- Bricklaying/blocklaying
- Fieldstone, concrete and tile installation
- NCCER national credentials

Plant Science

- Plant growth requirements
- Crop production and management techniques
- Landscaping and turf management

Video Production

- TV/radio broadcasting
- Pre- and post-production
- Digital and linear editing

Welding

- Metalworking
- Custom fabrication and repair
- AWS certification
- NCCER national credentials



INTERMEDIATE