The Greater Southern Tier BOCES does not discriminate on the basis of actual or perceived race, color, national origin, ethnic group, disability, sex, religion, religious practice, marital status, sexual orientation, or age, or under the Boy Scouts Act, in its programs, activities, admission of students, or employment. Inquiries concerning the application of regulations prohibiting discrimination may be referred to BOCES’ Civil Rights Compliance Officer, Doug Johnson (djohnson@gstboces.org), 459 Philo Road, Elmira, NY 14903, (607) 739-3581 ext. 2273 or U.S. Department of Education Office for Civil Rights, 32 Old Slip, 26th Floor, New York, NY 10005-2500, Telephone: 646-428-3800, FAX: 646-428-3843; TDD: 800-877-8339, Email: OCR.NewYork@ed.gov.
Your future and financial destiny are not a matter of chance. They’re a matter of choice. Whether you choose college, the military or work, the CTE Program is the first step on your path to success.

Our programs are developed based on present and future needs in the job market, so our students are in demand when they enter the workforce. To find out about the fastest growing careers, check out the Department of Labor’s website at www.labor.state.ny.us.

It's no secret that finding a job is tough, and deciding on a career is even tougher. The Career and Technical Education (CTE) Program gives you a chance to explore and experience careers in a setting that closely resembles a real-world workplace.

If you’re entering the workforce immediately after high school, the CTE Program gives you the competitive edge you need to show potential employers that you’re the best candidate for the job.

Students heading to college or technical school benefit from the CTE Program too. Hands-on experience raises your understanding beyond the level of textbook theory and gives you a practical advantage in the college classroom or laboratory.

The CTE Program makes it easy to find the career field that best suits you. Explore different careers in the Career Exploration (B and E) program, or start intensive study in a specific area in the Career Preparation (S and T) program. The choice is yours!

This catalog is full of information about all CTE courses. Call us at (607) 739-3581, or talk to your home school counselor today to find out more. You also can visit our website at www.gstboces.org.
What is the CTE Program?
The Career and Technical Education (CTE) Program offers high school students and adults the opportunity to learn job skills through instruction and hands-on experience. Students can use these skills to start a career right after high school or as preparation for college or the military.

Who attends the CTE Program?

What is a typical day like?
Most high school students spend half of every school day in a CTE program and the remainder at their home school. CTE programs are offered in the morning (typically seniors) and the afternoon (typically juniors).

How do I apply?
It’s easy! Go to your high school counselor and ask for information about the CTE Program. Your counselor can answer any questions you may have, or you can call GST BOCES at 739-3581 and ask for the appropriate campus (Bush, Coopers or Wildwood) to speak with a counselor or career coach (see page 3 for contact information).

May I visit the campus before applying?
Of course! You’re encouraged to visit. You can sit in on a class or tour the campus during school hours.

See your school counselor for more information. You need to discuss and coordinate visits with your parents, teachers and home school counselor.

How can Career and Technical Education help me meet graduation requirements?
Students may earn as many as eight credits toward graduation upon the successful completion of an approved two-year CTE program. Up to three of these credits may be an academic unit of credit in English, mathematics and science, depending upon the CTE program they are enrolled in.

Students may also work toward earning their Career Development and Occupational Studies (CDOS) commencement credential.

What is the CTE Technical Endorsement?
A CTE Technical Endorsement seal signifies “added value” on your high school diploma. It demonstrates you have excelled in a challenging program that meets both academic and current business/industry standards.

Students who are graduating with either a Regents or local diploma who pass their CTE program, pass a National Technical Assessment and complete a successful work experience will be eligible to receive a CTE Technical Endorsement seal on their high school diploma.

What about high school activities and transportation?
You can still participate in home school activities such as athletics, clubs, chorus or band, as well as the following CTE Program student organizations:

- SkillsUSA
- Health Occupations Students of America (HOSA)
- FFA (Bush Campus)
- Family, Career and Community Leaders of America (FCCLA) (Bush Campus)
- National Technical Honor Society (NTHS)

Bus transportation to and from the CTE campus is provided by your home school district.

What if I’m going to college?
If you’re planning to attend college, you may be somewhat puzzled as to how the CTE Program will fit into your plans. Be assured you’ll actually get a jump-start on your college education, especially if you plan to attend one of the schools with which we have an articulation agreement.

In the CTE Program, you’ll not only gain experience in the career you choose, you also may receive college credit and gain knowledge that will enhance your understanding in college courses. Successful CTE Program grads may even receive advanced placement through articulation agreements with many colleges.

What is an articulation agreement?
There are agreements for our CTE courses with many community colleges, technical schools and universities that allow students opportunities for advanced placement and college credit accumulation upon successful graduation from our programs. At the bottom of each course description, you will see a list of institutions with which the CTE Program has articulation agreements.

What kinds of real-life work experience can I get in the CTE Program?
As a CTE Program student, you’ll have extensive opportunities for work-based learning experiences to help you make informed choices about your future. Students in the CTE Program may complete internships in real work settings and also may participate in a cooperative work experience during the summer.

You’ll also have the opportunity to volunteer in the community, set up businesses within classes and take field trips to job sites, colleges and technical schools.
The purpose of this information is to help school counselors and CSE chairs match the educational needs of interested students with the appropriate GST BOCES CTE Program course in order to ensure a successful educational outcome.

Criteria for Student Enrollment
The goal of this guide is to streamline the intake process for all potential CTE Program students and meet the needs of students by matching them with appropriate programs.

NOTE: No enrollments will be processed until all required records have been received. The registrar (campus secretary) will notify home schools if an enrollment packet is incomplete.

The Initial Steps
1. The home school will identify the educational needs of the student interested in a CTE program.
2. Questions or concerns about student placement can be directed to:
   • Bush Education Center – 607-739-3581, ext. 1617
     Anthony Trentanelli – School Counselor
   • Coopers Education Center – 607-654-2213
     Stephanie Welch – School Counselor
   • Wildwood Education Center – 607-281-3104
     Ashleigh Striker – School Counselor
3. If necessary, the CTE Program counselor will schedule a conference with appropriate district personnel to review the student’s information and records.
4. BOCES staff will work collaboratively with the home school representatives and parents to determine placement and start dates for new students.

Step One
When the decision is made to send a student to the CTE Program, an enrollment packet with the following information must be included:
1. Completed enrollment form with all necessary signatures
2. Student transcript
3. Current report card/grades
4. Attendance records
5. Standardized testing information, including state exams, Regents and TABE results, if available
6. Health records
7. Discipline records
8. 504 Plan, if applicable
9. Current IEP and psychological report, if applicable

Step Two
Throughout the enrollment process, the focus will be on placing the student in an environment where he or she will achieve success in a safe, friendly learning environment. The home school and CTE staff will discuss various options appropriate for each student.

Step Three
The deadline for student enrollment packets for the S and T level programs (for high school juniors and seniors) is typically the last Friday in April. B and E level program enrollment is an ongoing process. Exceptions and special circumstances are understandable and the CTE Program administrators will work with home schools in these instances.

Continuing Communications
1. The home school and CTE administration will discuss students’ records, as appropriate, on an ongoing basis throughout the school year.
2. If the home district is considering a CSE referral, a counselor should contact the respective BOCES campus to exchange information and discuss additional strategies that might be used with a particular student.
In the CTE Program, experience is the BEST teacher.

BEST is a series of four program levels designed to ensure that every student enrolled in the Career and Technical Education Program receives the education he or she needs to succeed.

The four BEST program levels are:

**Program B, Career Beginnings** — Students develop a positive work ethic and skills related to problem-solving, decision-making and communication. Students will be immersed in various careers and learn the skills associated with them through an individualized and differentiated experience.

**Program E, Career Exploration** — Students who are uncertain about what career area to choose will experience a variety of career learning experiences. As students move from B to E level, skills learned in the B level program will be enhanced and further developed. Students may be placed in an S program during the year, as appropriate.

**Program S, Career Specialization** — Students select their CTE program of choice that will allow them to develop specialized skills for that career area. This is the first year of a two-year program that leads to a Certificate of Completion and prepares students for employment in specific career areas, further education, training or military service.

**Program T, Career Transition** — Students are preparing to transition into work, the military or a post-secondary school. This is the second year of a two-year career preparation program that leads to a Certificate of Completion. It provides job-seeking skills and advanced training in a specific career area.

### Career Beginnings (B) and Career Exploration (E)

**CO-SER: Bush 101.200, Coopers 101.100, Wildwood 101.300**

The Career Beginnings (B) and Career Exploration (E) programs are designed to introduce students to careers and help them develop job-specific skills that will enable them to successfully transition into a two-year Career and Technical Education (CTE) program of their choice. This introductory program functions similar to a Career Preparation S and T program. Students participate in classroom instruction, as well as on project-based activities. Ultimately, this program’s intent is to teach students foundational skills needed to safely and successfully transition into an S and T level program.

As part of this experience, students will have the opportunity to audit Career Specialization and Transition (S and T) level programs based upon their individual career interests. Upon completion of the audit, the student’s performance is evaluated and a determination is made as to the student’s next placement.

Students who demonstrate the appropriate skills and behaviors and receive a recommendation by the B and E instructor may have the opportunity to enroll in an S and T level CTE program.

### Program Considerations:

- Be able to follow directions
- Be in grade 9 or above
- Indicate an interest in Career and Technical Education
- Student should show promise of program success
- Student shall not be a safety hazard to the class or him/herself
- Student will need recommendation of his or her instructor to transition to an S level program

### Career Beginnings and Career Exploration Programs:

- **Career Exploration Program (Bush)**
  - Animal Science
  - Audio Media Design
  - Cosmetology
  - Culinary Arts
  - Dental Assisting
  - Digital Media Arts
  - Early Childhood
  - Fashion Design, Merchandising & Marketing
  - Nurse Assisting
- **Tec Exploration Program (Bush)**
  - Animal Science
  - Auto Body Repair
  - Automotive Technology
  - Building Construction
- **Career Beginnings and Exploration (Coopers, Wildwood)**
  - Auto Body Repair
  - Automotive Technology
  - Building Construction
  - Cosmetology
  - Criminal Justice

### Integrated Academic Credits:

- Career & Finance Management (1/2 credit)
- Health (1/2 credit)
Career Specialization and Transition (S & T)

The Career Specialization and Transition program prepares students for a career or further education in their chosen area. Courses take two years to complete. Students receive practical, hands-on experience in their chosen field. They learn teamwork, decision-making and problem-solving skills and apply Regents-level English, mathematics and science to their chosen field.

When students successfully complete their program, they receive a Certificate of Completion along with an Employability Profile. Upon completion of a program, they may choose to seek employment, continue their education at the college level or enter the military. All S and T level programs have college articulation agreements.

Program Considerations:
Students must:
- Be entering grade 11 or 12
- Indicate interest in the CTE Program
- Show promise of program success
- Not be a safety hazard to the class or him/herself
- Be able to get along with peers and adults and be able to work in a team atmosphere
- Have acquired minimal credits toward a high school diploma

Career Specialization and Transition Programs:
- Animal Science
- Audio Media Design
- Auto Body Repair
- Automotive Technology
- Building Construction
- Cisco Networking Academy
- Conservation
- Cosmetology
- Criminal Justice
- Culinary Arts
- Dental Assisting
- Diesel Equipment Technology, Maintenance & Repair
- Digital Media Arts
- Early Childhood
- Fashion Design, Merchandising & Marketing
- Heavy Equipment
- Machine Trades
- Nurse Assisting
- Welding & Metal Fabrication

New Visions (Grade 12 only)
- Education & Human Services
- Health Careers Exploration
- Innovation, Leadership & Business
The Animal Science program prepares students for a wide range of careers associated with animal science. Students will study anatomy, physiology, breed identification, handling, restraints, health and disease, nutrition, behavior, reproduction and management of small animals. Students also will be introduced to large animal science. This program is designed for students who want to pursue a career working with animals, with course work tailored to the interests of the students.

Course Content:
- Proper Care of Small Animals – Handling, Restraining, Cleaning and Feeding
- Introduction to Large Animal Science
- Basic Grooming Procedures
- Exotic Animal Husbandry
- Anatomy and Physiology
- Parasitology and Diseases
- Office Management/Lab Techniques
- Pet First Aid and CPR
- Leadership/Future Farmers of America (FFA)

Program Considerations:
Students must:
- Be able to communicate verbally and in writing
- Have reading and comprehension skills at the commencement-level
- Have taken Regents level science courses
- Be able to lift a minimum of 25 pounds
- Be able to behave safely around various animals, as well as sharp and hazardous items
- Be able to deal with animal waste disposal and the cleaning of soiled cages

Special Clothing:
- Scrub top, boots for outdoor work

Related College Studies:
- Veterinary Technician
- Veterinary Assistant
- Veterinarian
- Animal Industry
- Animal Behavioralist
- Animal Science

Employers Who Have Hired CTE Program Students:
- Agape Veterinary Clinic
- PetSmart
- Pony Express Kennels

Articulation Agreements With:
- SUNY Alfred
- SUNY Cobleskill
- SUNY Delhi

Integrated Academic Credits (over two years):
- English (1 credit)
- Science (1 credit)
- Specialized Math (1 credit)

Job possibilities after completing a two-year GST BOCES program

Career possibilities with additional experience/education/training
Audio Media Design gives students hands-on instruction in the basic field of audio and video production. This course includes the operational and electronic characteristics of pre-production, production and post-production sound and video for all media. Students will learn about the wide array of audio and video equipment, microphones and latest video and audio editing software technology that will help them prepare for a career in the audio media industry.

Students will create and produce radio/television commercials, newscasts and dramas while at the same time learning how to operate and maintain the latest audio and video equipment. This course allows the student to choose from a wide career path that may include becoming a sound engineer or radio production specialist, working in television or as a video editor.

Course Content:
- Audio Engineer
- Microphones
- Multi-Media Audio Presentations
- Video Audio
- Digital Audio
- Digital Audio Production
- On Location or Live Event Audio Design
- Pro Tools
- Adobe Premiere
- Script Writing
- Video Camera Basics
- Newscast

Program Considerations:
Students must:
- Be able to communicate verbally and in writing
- Be able to process basic math computations (8th grade)
- Be able to get along with peers and adults and work in a team atmosphere

Special Clothing:
None

Related College Studies:
Two- to Four-year Recording Arts degree
Two-year Mass Communication/Broadcasting degree
Four-year Mass Communication/Broadcasting degree

Employers Who Have Hired CTE Program Students:
Equinox Broadcasting
New Vine Media
Clemens Center
The Discovery Channel
Community Broadcasters, LLC
WATS/WAVR
Corning Museum of Glass
WENY TV
Electric Wilburland Recording Studios
WETM TV
Hard Hit Productions

Articulation Agreements With:
Art Institute of Pittsburgh
Herkimer Community College
SUNY Broome Community College

Integrated Academic Credits (over two years):
English (1 credit)
Science (1 credit)
As an Auto Body student, you will learn everything from basic surface preparation to complete collision repair. This includes frame alignment, panel replacement, MIG welding and oxyacetylene cutting, along with the latest in waterborne painting technology.

The equipment you will use in the Auto Body course is the latest in technology and comparable to that found in commercial collision repair facilities.

**Course Content:**
- Surface Preparation/Painting
- Sheet Metal & Fiberglass Repair/Welding
- Vehicle Construction & Frame Repair
- Electronic Estimating & Small Business Management
- Detailing & Maintenance of Automobile Bodies

**Program Considerations:**
Students must:
- Be able to communicate verbally and in writing, and have basic reading and comprehension skills at commencement-level
- Be able to process commencement-level math computations
- Behave safely around dangerous chemicals, gases and moving equipment
- Be able to lift at least 25 pounds

**Special Clothing/Materials Needed:**
Work clothes, work shoes, three-ring notebook, paint respirator, safety glasses, spiral notebook

**Related College Studies:**
Two-year degree in Auto Body Repair & Refinishing
Two-year degree in Automotive Parts Management

**Employers Who Have Hired CTE Program Students:**
- Advance Auto Parts
- Alstom
- Arkport Cycles
- Auto Zone
- Carapella’s Collision
- Carubba Collision
- Collision Specialties
- Cutting Motors
- Elm Chevrolet
- Elmira Auto Paint
- Ferrario Chrysler Jeep Dodge/Ford
- Fox Auto Group
- Gerbes Collision Services
- Goodrich Auto Works
- Gunlocke
- Horseheads Auto Body
- Liquidz Auto Body Supply
- Kent’s Auto Body
- Knappy’s Body Shop
- MJ Customs
- Maple City Dodge
- McCourts Collision (Canisto)
- Mercury Aircraft
- Nu-Look Collision
- RJ Cars
- Ralph’s Truck & Auto Repair
- S & S Alignment
- Scott’s Collision
- Simmons Rockwell Dealerships
- Smith’s Collision (Arkport)
- Smith’s Collision (Bath)
- State Line Autobody
- Stephen’s Auto Supply
- Tom Holleran’s Auto
- Van Pelt Collision (Elm Valley)

**Articulation Agreements With:**
- Corning Community College
- Lincoln Technical Institute
- Ohio Technical College
- SUNY Alfred
- SUNY Morrisville

**Integrated Academic Credits (over two years):**
- English (1 credit)
- Specialized Math (1 credit)
- Science (1 credit)

[Diagram showing job possibilities after completing a two-year GST BOCES program]

- Entry-level Technician
- Paint Prepper
- Industrial Painter
- Detailer
- Custom Paint Designer
- Shop Owner/Manger/Supervisor
- Automotive Glass Technician
- Frame/Uni-body Specialist
- Certified Collision Technician
- Insurance Appraiser
- Paint Representative

[Diagram showing career possibilities with additional experience/education/training]
Our Automotive Technology course offers experience in all areas of automotive repair, from periodic maintenance service to engine replacement. Students will be exposed to diagnostic equipment comparable to that used in the automotive service industry.

Coursework includes maintenance, suspension, steering, brakes, New York State inspection regulations and procedures, engine repair, drive line service, fuel system, auto electrical systems, ignition systems, computer system operation (OBDII) and troubleshooting, 4-wheel alignment, and cooling system service. Participants also will be exposed to oxyacetylene torch operation, MIG welding procedures and tire equipment and automotive lift safety and operation. Students can earn up to 10 Automotive Service Excellence (ASE) Certifications.

Course Content:

• Maintenance Service/Suspension, Steering, Brakes
• Engines/Drive Lines & Transmission Service
• NYS Inspection/Basic Electrical Systems/Fuel Systems
• Auto Electrical Service & Driveability/Fuel Systems & Engine Problem Diagnosis

Program Considerations:

Students must:

• Be able to communicate verbally and in writing, and have reading and comprehension skills at commencement-level
• Be able to process commencement-level math computations
• Behave safely around dangerous chemicals, gases and moving equipment
• Be willing to serve people from the community courteously
• Be able to lift 25 pounds

Special Clothing/Materials Needed:

Work clothes, work shoes, three-ring notebook, writing materials

Related College Studies:

Nine-twelve month certificate
Two-year degree in Automotive Service
Two-year degree in Automotive Parts Management
Two-year degree in High Performance
Four-year degree in Automotive/Business Management

Employers Who Have Hired CTE Program Students:

Advance Auto Parts
Arkport Cycle
Auto Zone
Williams Honda
Buckley’s Automotive
Carquest Auto Parts
Chilson Wilcox
Clifford Chevy
Cook Brothers Supply
Corning Inc.
Crane’s Towing
DC Auto Service
Elm Chevrolet
Ferrario Ford
Firestone
Foote’s
J and T Auto Cafe
Kent Brown Toyota
Maple City Dodge
NASCAR
Parmenter Inc.
Schweizer Aircraft Corp.
Simmons Rockwell Dealerships
Specchio Ford
Synthes
T & R Towing
Van Wormers

Articulation Agreements With:

Corning Community College
Lincoln Technical Institute
Ohio Technical College
SUNY Alfred
SUNY Delhi
SUNY Morrisville

Integrated Academic Credits (over two years):

English (1 credit)
Specialized Math (1 credit)
Science (1 credit)

Corning Community College ACE Credits:

AUTO 1010 Introduction to Automotive Technology (3 credits- Bush and Coopers only)

Job possibilities after completing a two-year GST BOCES program

Career possibilities with additional experience/ education/training

Auto Parts Sales
Tire Specialist
Exhaust Systems Specialist
Brake Technician
Automotive Sales
Vehicle Technician
Service Manager
Shop Owner
Automotive Instructor
Master Mechanic
Parts Manager
Engine Technician
Automotive Engineer
Heating & Air Conditioning Technician
NYS Inspector
Van Wormers
Building Construction students will have the opportunity to acquire skills in the safe operation of a variety of power and hand woodworking tools and machines, building site layout, various types of framing procedures and techniques, foundations and forms, simple stair construction, window and door installation, thermal and moisture protection, siding application, roofing, interior finishing, basic wiring, plumbing, brick and block laying, blueprint reading and basic cabinet installation. This course encompasses all processes of house construction.

Additionally, students may have the opportunity to assist in the construction of a full-sized ranch-style house.

The Building Construction program is an approved NCCER (National Center for Construction, Education and Research) program. Students will be required to take nationally standardized exams in order to earn national certification in several NCCER topics of instruction. Students also are members of the student chapter of the National Association of Home Builders (NAHB).

Course Content:
- Electrical
- Plumbing
- Masonry
- Framing
- Interior Finish & Basic Cabinet-Making
- Exterior Finish & Trim
- Roof Framing & Finish
- NCCER National Certification

Program Considerations:
Students must:
- Possess good oral and written communication skills
- Be able to process basic math calculations including algebra and geometry
- Have good eye/hand coordination and sense of balance
- Be able to lift a minimum of 25 pounds
- Behave safely around power tools, on roofs/scaffolding and around potentially flammable compounds

Special Clothing/Materials Needed:
Work boots, white or brown carpenter’s pants

Related College Studies:
Two-year degree in Construction Technology or Wood Technology
Four-year degree in Construction Technology

Employers Who Have Hired CTE Program Students:
Campbell Building Supply
Carpenters' Union
Chapel Lumber
Corning Building Company
Doane Builders
Jeff Janeski
Keuka Construction
Klugo Construction
Land Construction

Articulation Agreements With:
SUNY Alfred
SUNY Delhi

Integrated Academic Credits (over two years):
English (1 credit)
Math (1 credit)
Specialized Science (1 credit)
Cisco Networking Academy has changed the lives of 9.2 million students in 180 countries during the last 25 years by providing education, technical training and career mentorship. GST BOCES offers two college entry level Cisco courses, IT Essentials and CCNA Routing & Switching: Intro to Networking and one intermediate level, CCNA R&S: Routing & Switching Essentials. All three courses are certified ACE courses with Corning Community College, affording our students four college credits for each course if they enroll in the ACE program.

This is a hands-on computer repair, support technician and beginning networking program that allows students the opportunity to build, repair and network computer systems. Students will also learn to install and maintain operating systems (Windows 8.1,10, Linux, NOS) and related software. They also will learn how to build and troubleshoot various networks (Home base, Small Office, Home Office, Business). Along with this, they will learn about firewalls, antivirus, anti malware and various other security measures that must be utilized to maintain a healthy PC/network.

Cisco Networking Academy is designed for students who are looking for the right launch pad into the fast and ever-changing computer/ information technology industry. Students will gain analytical thinking and interpersonal communication skills and enjoy teamwork.

During this two-year course, students will be introduced to many different aspects of the computer/information technology industry. They will have the opportunity to acquire two entry level national certifications (A+, Network+) and will have completed at least the first course toward an intermediate level Cisco certification (CCERT, CCNA). They also will learn how they can continue their studies in college and major in a variety of computer/networking fields to increase their earning potential.

Course Content:
- Operating Systems Structure & Evolution
- Software Installation, Configuration & Debugging
- PC Hardware & Peripheral Equipment
- Understanding Electronic Communication
- Network Infrastructure & Cabling Types
- Network Setup, Planning & Administration
- Router Setup & Programming
- Mobile Communication

Program Considerations:
Students must:
- Be able to communicate verbally and in writing
- Have reading and comprehension skills at commencement-level
- Be able to process/calculate commencement-level algebraic equations
- Have a strong ability to think logically and sequentially
- Possess fine motor skills

Related College Studies:
- Computer Networking Technology
- Computer Systems Technology
- Management of Information Sciences
- Database Administration
- Information Technologies
- Computer Science
- Network Security

Employers Who Have Hired CTE Program Students:
- Best Buy
- Corning Hospital
- Corning Inc.
- CyberDark Computing
- Elmira College
- GST BOCES
- GameStop
- IBM

Articulation Agreements With:
- Corning Community College (ACE)
- SUNY Alfred
- Herkimer Community College
- SUNY Cobleskill

Integrated Academic Credits (over two years):
- English (1 credit)

Corning Community College ACE Credits:
- CSCT 1200 Computer Essentials (4 credits)
- CSNT 1200 Network Fundamentals (4 credits)
- CSNT 1400 Routing Protocols and Concepts (4 credits)
As a Conservation student, you will learn about many different careers in the outdoors. Areas of study range from land use, watershed and forestry management and surveying to soil and water conservation, aquaculture and landscape/ greenhouse production. You will be introduced to the safety and operation of multiple pieces of modern, state-of-the-art heavy equipment. Certifications that may be earned include Erosion Control, First Aid and CPR, as well as all four NYS Hunter Ed disciplines.

If you’re interested in this field, you should have the capacity to work long hours in all types of weather conditions.

The Conservation program is an approved NCCER (National Center for Construction, Education and Research) program. Students will be required to take nationally standardized exams in order to earn national certification in several NCCER topics of instruction.

Course Content:
• Construction Equipment Operation and Maintenance
• Chainsaw Operation & Uses
• Surveying & Land Management
• NYS Wildlife/Hunter Education, Bow Safety, Trapper Training and Waterfowl Identification
• Forestry Management, Dendrology and Silviculture
• Environmental & Natural Resources
• Horticulture & Aquaculture
• Leadership/FFA

Program Considerations:
Students must:
• Be able to process commencement-level algebraic equations
• Have reading and comprehension skills at commencement-level
• Have excellent eye/hand coordination

• Be able to lift a minimum of 25 pounds
• Behave safely around sharp, heated and potentially hazardous moving equipment

Special Clothing/Materials Needed:
Coveralls, OSHA-approved hard hat, work shoes, boots, gloves for working outdoors in all types of weather and safety glasses

Related College Studies:
Two-year degree in Conservation or Horticulture, Greenhouse Management, Forestry, Aquaculture or Equipment Operation
Four-year degree in Forestry, Conservation, Aquaculture, Horticulture, Geology or Conservation Law

Employers Who Have Hired CTE Program Students:
Central Recycling
Chemung County Highway Department
City of Elmira
Corning Inc.
Dalrymple
Edger Enterprises
Chemung County Soil & Water Conservation

Articulation Agreements With:
Paul Smith’s College
SUNY Cobleskill

Integrated Academic Credits (over two years):
English (1 credit)
Science (1 credit)
Specialized Math (1 credit)
Cosmetology is a two-year course offering instruction and practical experience in the skills and theory necessary for employment as a hair designer, nail technician or full-service cosmetologist. This includes care of the hair, skin, nails and all other related services. You’ll find the CTE Program laboratory equipment identical to that found in a modern salon.

As a Cosmetology student, you’ll be required to complete 1,000 hours of instruction. Your successful completion of the program, by passing with a 70 average or better, will qualify you to take the New York State Cosmetology Licensing Exam.

In order for Cosmetology students to meet the NYS requirement of 1,000 hours of instruction, they must attend a summer training program following the completion of their first year. Students have the opportunity to earn up to 125 additional hours outside of school time (subject to instructor approval). The work experience coordinator will assist the student in setting up and tracking these additional hours.

Course Content:
- Health and Safety, State Board Licensing Procedures
- Hairstyling, Haircutting and Barbering Techniques
- Chemical Services/Permanent Waving and Straightening
- Facials, Waxing and Facial Makeup Procedures
- Nail Technology and Nail Enhancements
- Professional and Business Skills
- Summer School (not mandatory at Coopers and Wildwood)

Program Considerations:
Students must:
- Be able to maintain confidential information
- Be able to effectively communicate verbally and in writing
- Be able to process geometry, ratios, decimals, percentages and measurements accurately
- Have excellent eye/hand coordination
- Have reading and comprehension skills at commencement-level
- Behave safely around sharp equipment and potentially hazardous chemicals

Special Clothing/Materials Needed:
Appropriate uniform pants, tops and closed-toe footwear, student cosmetology kit (students are responsible for the cost of the kits)

Related College Studies:
Two-year Esthetician/Skin Care Specialist
Two-year Business or Fashion Merchandising degree
Four-year Cosmetic Chemist degree
Four-year Fashion & Retailing Management degree
Advanced Training for Nail Technician

Employers Who Have Hired CTE Program Students:
AJ’s Hair, Make-up
AgeLess Spa
Bee Bop Salon
Bella Capelli
Cost Cutters
CP Naturals & More
Cutting Crew
Debra Deva Designs
Elaura Salon
Fringe
Garcia’s Barber Shop
Great Reflections
New York Beauty & Barber Salon

Articulation Agreements With:
Corning Community College
Fulton-Montgomery Community College
Schenectady County Community College

Integrated Academic Credits (over two years):
English (1 credit)
Science (1 credit)
Specialized Math (1 credit)
Designed to give students hands-on instruction in the field of criminal justice, this course allows students to patrol the campus and investigate mock crime scenes. They participate in role-plays, field trips, group projects and disaster drills to learn law and crisis intervention skills in an informative, educational and interactive way.

The course emphasizes teamwork, problem-solving and self-discipline. Students use their skills by providing security at special events both on and off campus.

During the second year, students complete an internship with various law enforcement agencies. They are eligible for New York State certification as a security officer, FEMA certification and CPR/AED certification. Students will learn report writing for convictions.

Course Content:
- Patrol Procedures/Crisis Intervention
- Criminal Law/Forensic Science
- Supervision & Leadership Skills
- Internship/Defensive Tactics
- Critical Incident Management
- CPR/First Aid/AED
- NYS Security Guard 8 Hour Pre-Certification
- Vehicle Stops
- Report Writing
- Physical Fitness Training
- Accident Investigation
- Crime Scene Investigation
- Firearms Safety

Program Considerations:
Students must:
- Be able to effectively communicate verbally and in writing
- Have a good record of appropriate behavior and respect for the law
- Have good eye/hand coordination, balance, stamina and attention to detail
- Be able to adhere to required dress code
- Behave safely around specialized equipment
- Have interest in forensic science
- Be able to participate in physical training

Special Clothing/Materials Needed:
Uniform and footwear per instructor’s requirements

Related College Studies:
- Criminal Justice
- Forensic Science
- Emergency Management
- Psychology
- Pre-Law
- Fire Science

Employers Who Have Hired CTE Program Students:
- Addison Police Dept.
- Alstom
- Arnot Mall Security
- Arnot Ogden Medical Center
- Bath Police Dept.
- Canisteo Police Dept.
- Cattaraugus Co. Sheriff’s Dept.
- CCC Public Safety
- Chemung County Jail
- Chemung County Sheriff’s Dept.
- Cornell University Police Canine Unit
- Corning Inc. Security
- Corning Police Dept.
- Elmira College Security
- Elmira Police Dept.
- Erie Co. Medical Examiner’s Office
- FLCC Public Safety
- Hornell Police Dept.
- Horseheads Police Dept.
- Local fire departments
- MetLife Insurance
- NYS Dept. of Corrections
- NYS Park Police
- NY State Police
- Rocky Mountain Police Dept.
- Steuben County Court
- Steuben County Jail
- Steuben County Sheriff
- Tioga Downs Casino Security
- Watkins Glen Police Dept.
- Wegmans Security

Articulation Agreements With:
- Corning Community College
- Herkimer Community College
- SUNY Alfred

Integrated Academic Credits (over two years):
- English (1 credit)
- Science (1 credit)
- Specialized Participation in Government/Physical Education (credits awarded at the discretion of the home district)
- ACE Introduction to Criminal Justice
- ACE Criminal Investigation

Job possibilities after completing a GST BOCES two-year program
- Security Officer
- County Corrections Officer
- Loss Prevention Officer
- Bailiff
- Alarm System Installer
- Dispatcher
- Attorney
- State Trooper/Deputy Sheriff/Police Officer
- DEC Officer
- Paralegal
- Crime Scene Technician/Police Investigator
- Private Investigator
- Federal Agent
- Cybersecurity Analyst
- Fraud Investigator
- Probation/Parole Officer
- Military Police Officer
- Immigration/Customs Inspector
- Probation/Parole Officer
- Military Police Officer
- Immigration/Customs Inspector
- Career possibilities with additional experience/education/training

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This course introduces students to careers in food service and teaches them the basic skills and knowledge they need for success in this industry. On-the-job training and experience, coupled with a dynamic and comprehensive curriculum, fuel this program. High school students will experience all aspects of operating and managing a food service establishment, and will build good business and management skills that are transferrable to other industries. The course content is aligned with National Restaurant Association standards and the curriculum is based on ProStart through the New York State Restaurant Association Education Foundation.

Course Content:
- Introduction to the Restaurant & Food Service Industry/Food & Workplace Safety/Kitchen Essentials/Stocks, Soups & Sauces/Communication/Management Essentials/Fruits & Vegetables/Service/Potatoes & Grains/Building a Successful Career in the Industry
- Breakfast Foods & Sandwiches/Nutrition/Cost Control/Salads & Garnishing/Purchasing & Inventory/Meat, Poultry & Seafood/Marketing/Desserts/Sustainability/Global Cuisine/ServSafe

Program Considerations:
Students must:
- Be able to effectively communicate verbally and in writing
- Have reading and comprehension skills at commencement-level
- Be able to adhere to required dress code
- Be willing to serve people and maintain good personal hygiene and sanitation
- Be able to lift 25 pounds, food stock and heavy serving trays
- Have professional behavior and language toward peers and potential customers and/or employers
- Be able to follow required industry safety and sanitation procedures

Special Clothing/Materials Needed:
Per instructor’s requirements

Related College Studies:
Degrees in Culinary Arts, Baking and Pastry, Food and Beverage Entrepreneurship, Restaurant Food and Beverage Management, Tourism and Hospitality Management, Hotel and Lodging Management, Dietetics and Applied Nutrition, Casino Management, Culinary Nutrition and Applied Food Science, Innovation and Technology

Employers Who Have Hired CTE Program Students:
- Alfred University
- Bath VA Medical Center
- Bethany Village
- Bob Evans
- Castel Grisch
- Cornell University
- Coming Catering
- Coming Inc.
- Chemung ARC
- Finger Lakes House
- GST BOCES
- Harbor Hotel
- Hershey Park
- Hill Top Inn
- Hilton Garden Inn
- Holiday Inn
- Hornell Country Club
- Italian Villa
- Marino’s
- Mooney’s Sports Bar & Grill
- Panera Bread
- Paddy’s Pub
- Poppleton Pastries
- Radisson
- Sorge’s
- St. James Mercy Hospital
- St. Joseph’s Hospital
- Tanino Ristorante & Cafe
- The Cellar
- The Great Escape
- Turning Stone Casino
- Watson Homestead
- Wegmans

Articulation Agreements With:
- Art Institute of Pittsburgh
- Culinary Institute of America
- Johnson and Wales University
- National Restaurant Association
- Niagara Falls Culinary Institute
- Schenectady Co. Community College

Integrated Academic Credits (over two years):
- English (1 credit)
- Science (1 credit)
- Specialized Math (1 credit)
As a Dental Assisting student, you’ll gain the knowledge and practical skills necessary to assist a dentist in the examination and treatment of patients.

Course work includes dental anatomy, chairside assisting, charting teeth, tooth restoration, dental specialties, laboratory skills, office procedures and dental x-rays including digital radiology. You also will participate in a clinical experience one day a week (with an option of a partial summer) in area dental offices. Upon successful completion of the course and 200 hours of internship, you may sit for the New York State Dental Assisting Certification Exam.

Course Content:
- Dental Anatomy/Chairside Assisting
- Tooth Restoration/Patient Records
- Dental Specialties/Dental Laboratory Skills
- Dental Radiography/Dental Office Management

Program Considerations:
Students must:
- Be able to effectively communicate verbally and in writing
- Be able to maintain confidential information
- Be able to adhere to required dress code and maintain good personal hygiene
- Be able to behave safely around sharp objects, heated equipment and potentially hazardous chemicals and materials
- Have good skills in memorization of data and recall
- Be able to deal with body fluids and unpleasant odors
- Be able to adhere to current infection control standards

Special Clothing/Materials Needed:
Uniform pants, scrub top, white socks, white clinic shoes, OSHA regulation lab coat

Related College Studies:
Two-year/four-year Dental Hygiene degree
Two-year Dental Laboratory Technology degree
Dental School

Employers Who Have Hired CTE Program Students:
Dr. Cesari  Dr. Peterson  Dr. Conte
Dr. Daley  Dr. Eng  Dr. May
Dr. Lawas  Dr. Minchin  Dr. Bellohusen
Dr. Lodico  Dr. Seltzer  Dr. Uy
Dr. Clark  Drs. Wilke & Baker  Dr. Wicks
Able2  Dr. Shaw  Dr. Marzo
Dr. Karpinski  Dr. Woodward
Drs. Roman & Fercaw
Drs. Dolan & Bempkins
Drs. Schultz & Fitzgerald
Corning Dental Associates
Chemung Family Dental Center
Guthrie Dental Clinic
Southport Crown & Bridge
Seneca Dental Associates

Articulation Agreements With:
SUNY Broome Community College

Integrated Academic Credits (over two years):
English (1 credit)
Science (1 credit)
Health (1 credit)
Diesel Equipment Technology, Maintenance & Repair at the CTE Program is a two-year certificate course. During the first year of the course, students learn about gasoline engine theory, maintenance and repair, then transition to larger basic diesel engines. The second year of the course concentrates on diesel engine operation, maintenance and trouble shooting, heavy equipment suspension, drive train components and hydraulics. Students will have the opportunity to work on large diesel engines typically found in farm and construction equipment. A student enrolled in this program can also repair his or her own vehicles or equipment. This is a hands-on, project-based learning course.

Course Content:
- Engine Systems
- Engine Overhaul/Engine Diagnosis
- Introduction to Tractor Trailer Diesel Engines/Diesel Electronics & Hydraulics
- Diesel Fuel Injectors & Pumps/Fuel Systems (Gas & Diesel)

Program Considerations:
Students must:
- Be able to effectively communicate verbally and in writing
- Be able to process commencement-level math computations
- Be able to behave safely around dangerous chemicals, gases and moving equipment and follow directions
- Be willing to serve community members courteously
- Be able to lift 25 pounds

Special Clothing/Materials Needed:
Coveralls, work shoes (steel-toe preferred), warm clothing, gloves

Related College Studies:
Two-year degree in:
- Heavy Equipment/Diesel Engine
- Automotive Parts Management
- Lawn and Garden Technology

Four-year degree in:
- Agricultural Equipment Technology

Employers Who Have Hired CTE Program Students:
- Arnot Ogden Medical Center
- Chemung County Highway Department
- Conway Beam
- Dalrymple Gravel and Contracting
- Elmira City School District Transportation Department
- Hardinge Incorporated
- Mavis Discount Tire

Articulation Agreements With:
- Lincoln Technical Institute
- Ohio Technical College
- SUNY Alfred
- SUNY Cobleskill
- SUNY Morrisville

Integrated Academic Credits (over two years):
- English (1 credit)
- Science (1 credit)
- Specialized Math (1 credit)

Job possibilities after completing a GST BOCES two-year program:
- Diesel Engine Assistant
- Maintenance Mechanic
- Small Engine Mechanic
- Automotive Assistant

Career possibilities with additional experience/education/training:
- Locomotive Technician
- Technical Writer Service Manuals
- Aircraft Engine Technician
- Alignment Specialist
- Truck Driver
- Diesel Technician
- Marine Engine Technician
- Heavy Equipment Technician
- Injection Pump Specialist
- Road Service Technician
- Generator Technician
- Automobile Technician
Digital Media Arts is a project-based program for students who want to discover exciting career options available in the rapidly growing visual communications field. The program blends traditional design principles, composition, color theory and layout and typography with advanced technical skills.

Students use our high-tech digital design lab and photography and video production studios along with the latest professional software and equipment.

Students select specialized professional level training courses designed to align with their career goals. These are team-based or self-paced individual learning modules which allow highly motivated students to complete multiple courses during the program. Successful students will earn certification through the Adobe Certified Associate Program.

**Course Content:**
- Graphic Design & Publishing
- Commercial & Studio Photography
- 3D Animation & Game Design
- Specialty Vinyl, Screen & Print Graphics
- Video Production & Visual Effects
- Podcasting
- Professional Software: Photoshop, Illustrator, InDesign, Animate, Dreamweaver, Premier, After Effects, 3D Studio Max

**Program Considerations:**
Students must:
- Be able to effectively communicate verbally and in writing
- Have reading and comprehension skills at commencement-level
- Have interest in the arts

**Special Clothing/Materials Needed:**
Writing materials, headphones, USB flash drive (16G), SD camera memory card

**Related College Studies:**
- Computer Animation
- Graphic Design
- Industrial Design Technology
- Interior Design
- Multi-Media

**Employers Who Have Hired CTE Program Students:**
Addison Post
ESPN
Evening Tribune
Finger Lakes Sign & Design
Multi Media Services
Mystic Media Web Design

**Articulation Agreements With:**
Art Institute of Pittsburgh
Mohawk Valley Community College
SUNY Alfred
SUNY Broome Community College
SUNY Cobleskill

**Certifications:**
- Adobe Certified Associate - Visual Communications (Adobe Photoshop)
- Adobe Certified Associate - Video Communications (Adobe Premiere)
- Adobe Certified Associate - Graphic Design & Illustration (Adobe Illustrator)

**Integrated Academic Credits (over two years):**
English (1 credit)
This course is designed to prepare students to work as an Early Childhood Assistant. Students spend time off-campus working with children aged infant to second grade to assist in developing vital job skills. As part of this program students will participate, with teacher’s approval, in a public or private school classroom.

As an Early Childhood student, students will be prepared to seek employment as a nanny (private care), in public and private day care centers and in agencies serving the disabled. Students also will be well-prepared to continue their education in early childhood education or elementary education or to establish their own home or family day care program.

**Course Content:**
- Introduction to Early Childhood Education
- Setting Up Your Own Preschool
- Special Education: Middle Aged Children Planning & Developmental Activities
- Observation, Guidance and Discipline
- Planning, Participation & Assessment for 4- and 5-Year-Olds
- Professional Development & School-to-Work Transition

**Program Considerations:**
Students must:
- Be able to effectively communicate verbally and in writing
- Have basic reading and comprehension skills
- Be able to exhibit self control in crisis situations and to think and react quickly and safely
- Be able to lift and be physically active in a playground setting
- Be able to maintain confidential information
- Be able to control personal behavior and control language

**Special Clothing/Materials Needed:**
Seasonal professional, relaxed clothing, including shoes and sneakers (no flip-flops or sandals)

**Related College Studies:**
- Two-year degree in Human Services
- Four-year degree in Elementary Education/Social Work/Special Education

**Employers Who Have Hired CTE Program Students:**
- ARC
- Arnot Ogden Day Care
- CJ’s Country Kids
- Chemung Valley Early Care and Learning
- EOP/Head Start
- Erwin Child and Family Center
- Horseheads School District
- My Place
- Pathways, Inc.
- YWCA Kids World

**Articulation Agreements With:**
- Corning Community College
- SUNY Broome Community College
- SUNY Cobleskill

**Integrated Academic Credits (over two years):**
- English (1 credit)
- Specialized Science (1 credit)
Students will focus on fashion design, fashion drawing, fashion construction and production methods, pattern manipulation, textile technology, merchandising and marketing. Fashion Design is a technical discipline centered on materials, design, assembly and maintenance of textile machinery and products manufactured by this machinery.

The Fashion Design, Merchandising & Marketing Program has been organized into defined units of study covering all of the knowledge and skills needed for the student who will be seeking employment or further education in the design and manufacturing of clothing. Topics include clothing construction, advanced dressmaking, tailoring, clothing design, flat-pattern making, draping, basic design, textiles and business marketing.

**Course Content:**
- Introduction to Design Theory
- Sewing Machines & Garment Construction
- Patterns & Development
- Textile Technology
- 3D Design & Draping
- Mood Boards and Collection Design
- Business Focus on Merchandising and Marketing
- Fashion Show Planning & Participation

**Program Considerations:**
Students must:
- Be able to effectively communicate verbally and in writing
- Have an interest in artistic design methods including fabrication and production
- Be able to process commencement-level math calculations
- Be able to behave safely around sharp objects and potentially hazardous moving equipment

**Special Clothing/Materials Needed:**
11” x 14” sketch book, one pad of 11” x 14” tracing paper, package of at least 24 color pencils, a plastic storage bin (27/28 quart size-approx. dimensions: 28” x 22” x 10”), two blue and two red fine point pens and a 1.5” binder

**Related College Studies:**
- Fashion Design
- International Fashion Trade and Marketing
- Marketing
- Production Management
- Textile and Surface Design
- Textile Development

**Employers Who Have Hired CTE Program Students:**
- BonJulie’s
- Charlotte Russe
- David’s Bridal
- Dick’s Sporting Goods (Asst. Designer)
- JC Penney
- JoAnn Fabrics
- Kohl’s
- LL Bean (Designer)
- Macy’s
- Victoria’s Secret (Asst. Designer)

**Articulation Agreements With:**
- Art Institute of Pittsburgh
- Herkimer County Community College
- Laboratory Institute of Merchandising College
- Villa Maria College

**Integrated Academic Credits (over two years):**
- English (1 credit)
- Math (1 credit)
- Specialized Science (1 credit)

**Career possibilities with additional experience/education/training**

**Job possibilities after completing a two-year GST BOCES program**

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Company Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessories Design</td>
<td>JoAnn Fabrics</td>
</tr>
<tr>
<td>Seamstress</td>
<td>Kohl’s</td>
</tr>
<tr>
<td>Costume Assistant</td>
<td>LL Bean (Designer)</td>
</tr>
<tr>
<td>Jewelry Design</td>
<td>Macy’s</td>
</tr>
<tr>
<td>Stylist</td>
<td>Victoria’s Secret (Asst. Designer)</td>
</tr>
<tr>
<td>Retail Store Display</td>
<td>BonJulie’s</td>
</tr>
<tr>
<td>Retail Clothing Sales</td>
<td>Charlotte Russe</td>
</tr>
<tr>
<td>Fabric Styling</td>
<td>David’s Bridal</td>
</tr>
<tr>
<td>Advertising &amp; Marketing Assistant</td>
<td>Dick’s Sporting Goods (Asst. Designer)</td>
</tr>
<tr>
<td>Fashion Designer</td>
<td>JC Penney</td>
</tr>
<tr>
<td>Assistant Designer</td>
<td>JoAnn Fabrics</td>
</tr>
<tr>
<td>Textile Designer</td>
<td>Kohl’s</td>
</tr>
<tr>
<td>Pattern Maker</td>
<td>LL Bean (Designer)</td>
</tr>
<tr>
<td>Costume Designer</td>
<td>Macy’s</td>
</tr>
<tr>
<td>Store Buyer</td>
<td>Victoria’s Secret (Asst. Designer)</td>
</tr>
<tr>
<td>Marketing Executive</td>
<td>BonJulie’s</td>
</tr>
<tr>
<td>Accessory/ Shoe/ Jewelry Design</td>
<td>Charlotte Russe</td>
</tr>
<tr>
<td>Quality Control Manager</td>
<td>David’s Bridal</td>
</tr>
<tr>
<td>Showroom Sales</td>
<td>Dick’s Sporting Goods (Asst. Designer)</td>
</tr>
</tbody>
</table>

**Employers Who Have Hired CTE Program Students:**
- BonJulie’s
- Charlotte Russe
- David’s Bridal
- Dick’s Sporting Goods (Asst. Designer)
- JC Penney
- JoAnn Fabrics
- Kohl’s
- LL Bean (Designer)
- Macy’s
- Victoria’s Secret (Asst. Designer)

**Articulation Agreements With:**
- Art Institute of Pittsburgh
- Herkimer County Community College
- Laboratory Institute of Merchandising College
- Villa Maria College

**Integrated Academic Credits (over two years):**
- English (1 credit)
- Math (1 credit)
- Specialized Science (1 credit)
Students in the Heavy Equipment program study the operation, maintenance and repair of heavy equipment. Upon completion, students are adaptable to a wide variety of careers in the construction industry. The program offers a combination of theory, academic integration, technical skills, hands-on instruction and field project experiences.

The Heavy Equipment program is an approved National Center for Construction, Education and Research (NCCER) program. Students will be required to take national standardized exams in order to earn national certification in several NCCER topics of instruction.

Course Content:
- Basic Operation of Backhoes, Bulldozers, Loaders, Skid Steers, Tractors, Dump Trucks, Graders & Excavators
- Preventative Maintenance of Heavy Equipment & Motorized Power Equipment/Basic Surveying
- Equipment Safety/OSHA 10 Training/Off-Campus Projects
- Intro. to Hand Tools/Stationary Power Tools/Battery Systems
- Welding/CPR & First Aid Certification/Small Engines
- Fork Truck Licensing/Intro. to Blueprints
- Tires & Brakes/Load & Lash
- Chain Saw Operation/Forestry/Logging/Senior Projects
- Cooperative Mentoring
- CDL-B

Program Considerations:
Students must:
- Be able to process commencement-level algebraic equations
- Have basic reading and comprehension skills
- Have excellent eye/hand coordination
- Be able to lift a minimum of 25 pounds
- Behave safely around sharp, heated and potentially hazardous moving equipment in a shop environment

Special Clothing/Materials Needed:
Work boots, coveralls, hard hat, work gloves, 3-ring notebook, high visibility vest

Related College Studies:
- Agriculture Mechanics
- Conservation
- Diesel Technology
- Equipment Operation

Employers Who Have Hired CTE Program Students:
- Cold Springs Construction
- Corning Incorporated
- Gutchess Lumber
- L.C. Whitford Co.
- Mercury Aircraft
- NYS Dept. of Transportation
- Steuben County
- Town Highway Departments
- Wagner Forest Products

Articulation Agreements With:
- Lincoln Technical Institute
- Paul Smith's College
- SUNY Alfred
- SUNY Cobleskill

Integrated Academic Credits (over two years):
- English (1 credit)
- Math (1 credit)

Job possibilities after completing a two-year GST BOCES program

Career possibilities with additional experience/education/training
Nurse Assisting offers students the skills necessary to seek employment in hospitals, long-term care facilities, home health care, residential care and facilities for the mentally and physically challenged. Students will learn the use of medical equipment, medical/surgical techniques, infection control, rehab and restorative care and procedures common to health care. In addition, students will acquire basic knowledge vital for professional health careers including radiology, physical/occupational therapy, mental health and nursing.

The Certified Nurse Assisting course emphasizes geriatrics and direct patient care. Upon successful completion of this program, students will produce a marketable résumé and be eligible to take the NYS exam for Certified Nurse Assisting. Integration of academics, technology and universal skills are important components of this course.

Course Content:
• Health Care Worker/Nurse Assisting
• Advanced Nurse Assisting I/Advanced Nurse Assisting II
• Geriatrics (CNA)/Advanced Geriatrics (CNA)
• Overview of Clinical Assistant I/Overview of Clinical Assistant II

Program Considerations:
Students must:
• Be able to effectively communicate verbally and in writing
• Be able to process commence-level math calculations
• Be able to maintain confidential information
• Be able to lift a minimum of 50 pounds
• Be able to deal with bodily fluids and unpleasant odors
• Be able to follow directions and control personal comments and behaviors in a professional setting
• Maintain a 75 percent average in Nurse Assisting I/II
• Pass the required clinical competencies with an 85 percent score

Special Clothing/Materials Needed:
White leather clinic shoes, white socks, a watch with a second hand and required uniforms, which include scrub top and pants (must be purchased prior to the first rotation)

Related College Studies:
Two-year Registered Nursing degree
Two-year Medical Laboratory Technology degree
Two-year Health and Human Services degree
Two-year Radiology degree
Four-year Nursing degree/Nurse Practitioner/Midwife

Employers Who Have Hired CTE Program Students:
Able 2
Absolut Care of Three Rivers
Arnot Ogden Medical Center
Bethany Retirement Center
Brookdale Painted Post
Chenango County Nursing Facility
Corning Centers
Corning Hospital
Elderwood
Eldercare Health Services
Elderwood
Hornell Gardens
Hornell Children’s Home

Articulation Agreements With:
Broome Community College
Corning Community College

Integrated Academic Credits (over two years):
English (1 credit)
Health (.5 credit)
Science (1 credit)
Welding and Machine Trades (CIP-480501)
CO-SER: Coopers 101.100

Welding and Machine Trades prepares students for entry-level jobs in a variety of metal fabrication operations. Tools and Equipment including lathes, milling machines, drill presses, surface and cylindrical grinders, MIG TIG and Stick Welders, Oxy-acetylene torches, metal cutting band saws, and other various fabrication tools are used throughout the program. In this program, students develop knowledge and skills in design, blueprint reading, and machining, welding, and metal fabrication to prepare for employment and/or post-secondary education.

In their senior year, students will be asked to specialize and will move on to advanced study in Machining or Welding depending upon their choice. The two areas will be heavily integrated throughout the program.

Course Content:
- Manual & CNC Machining
- Trade Related Math
- Blueprint Reading
- Computer Assisted Design
- Precision Measurement
- Precision Grinding
- Basic Welding
- TIG Welding
- MIG Welding
- Stick Welding
- Use of Oxy-Acetylene Torch
- Plasma-Arc Cutting
- Job Design and Layout
- Drilling and Boring
- Materials and Metallurgy
- Job Seeking Skills
- Weldart

Program Considerations:
- Comfort with basic commencement-level mathematical functions
- Have commencement-level reading and comprehension skills
- Knowledge of Auto-CAD is desirable but not required
- Be able to use common mathematical formulas
- Be able to communicate verbally and in writing
- Have good eye/hand coordination and attention to detail
- Follow dress code and safety rules
- Be able to behave safely around equipment and potentially hazardous gasses, chemicals and hot objects

Special Clothing/Materials Needed:
Work boots, TI 30Xa Calculator, 25 ft. tape measure

Related College Studies:
Two-year degree in:
Drafting/CAD-CAM
CNC
Welding
Machining

Employers Who Have Hired CTE Program Students:
AirFlow Manufacturing
Alstom
BMS-Bill’s Machine Shop
Bombardier
CAF
Cameron Manufacturing & Design
Cornell University
Corning Inc.
Courser Inc.
Dalrymple Construction
Dresser-Rand
Echo Bridge
Elmira Metal Works
GE Rail Equipment Services
Hardinge Inc.
Mercury Aircraft
Plumbers and Steam Fitters Local 267
Sheet Metal Workers Local 112
Jabil
Tobeyco Manufacturing

Articulation Agreements With:
SUNY Alfred

Integrated Academic Credits (over two years):
English (1 credit)
Math (1 credit)
Science (1 credit)
As a Welding student, you will learn the proper procedures for welding and the recognition of metals. You will also receive instruction in proper safety and the care and use of small hand and power tools used in the trade of metal fabrication. You will have the opportunity to develop skills in reading and understanding blueprints. Our goal is to prepare students for employment in the welding field by offering effective hands-on and classroom training to meet local industrial standards.

Course Content:
- Basic Gas Tungsten Arc Welding/Advanced Gas Metal Arc & Gas Tungsten Arc Welding
- Introduction to Welding: Oxyacetylene & Arc Welding/Basic Shielded Metal Arc Welding: Fast Freeze Group
- Advanced Shielded Metal Arc Welding: Low Hydrogen Group/
  Basic Gas Metal Arc Welding: MIG
- Advanced Shielded Metal Arc Welding

Program Considerations:
Students must:
- Be able to communicate effectively verbally and in writing
- Be able to process commencement-level math calculations
- Have good eye/hand coordination and attention to detail
- Be able to maintain dress code and safety rules
- Be able to behave safely around equipment and potentially hazardous gases, chemicals and hot torches

Special Clothing/Materials Needed:
Steel-toed work boots, cotton long-sleeved shirt with button-down pockets, starter kit of leathers (helmet and gloves – purchased through instructor or on your own), 25 ft. tape measure

Related College Studies:
Two-year degree in Welding Technology
Four-year degree in Welding Engineering

Employers Who Have Hired CTE Program Students:
- Air Flow Manufacturing
- Alstom
- BMS-Bill’s Machine Shop
- CAF
- Cameron Manufacturing & Design
- Cedar Street Manufacturing
- Cornell University
- Dalrymple Construction
- Elmira Metal Works
- Plumbers and Steam Fitters Local 267
- Reynolds Manufacturing
- Sheet Metal Workers Local 112
- UTC Railcar Repair Service LLC
- Vulcraft

Articulation Agreements With:
- Lincoln Technical Institute
- Ohio Technical College
- SUNY Alfred
- SUNY Cableskill
- SUNY Delhi

Integrated Academic Credits (over two years):
- English (1 credit)
- Science (1 credit)
- Math (1 credit)

Job possibilities after completing a two-year GST BOCES program:
- Combination Welder
- Construction Worker
- Assembler/Fitter
- Auto Body Welder
- Production Welder
- Iron Worker
- Arc/Plasma/Flame Cutter
- Sheet Metal Fabricator

Career possibilities with additional experience/education/training:
- Welding Technologist
- Civil Engineer
- Pressure Vessel Design
- Metal Product Design
- Structural Metal Worker
- Weld Inspector
- Welding Engineer
- Welding Product Sales
- Small Welding Shop Owner
- Welding Instructor
- Metallurgical Technician
- Metal Fabrication Shop Owner
- Metal Fabrication Shop Owner
Other CTE Work-Based Learning Opportunities

Linking education with business and industry is an important part of education at GST BOCES. There are several programs available that can provide students with “hands-on” experience with an area employer. These programs can be as short as 20 hours or can last up to an entire school year, depending on what best fits a student’s needs. At the worksite, a student will have the opportunity to ask questions, gain valuable experience and earn a great reference that can help in the future.

Internship
Students who are eligible may have the opportunity to complete an internship through their Career and Technical Education Program at GST BOCES. The student will work with his or her instructor and work experience coordinator to determine the location and length of the internship. The instructor will base student eligibility on attendance, attitude and performance in class.

Generally, an internship lasts two weeks, though some may continue for several months. The student reports to the worksite instead of BOCES during assigned times. Some placements include time outside of school hours.

Internships are unpaid and transportation is usually the responsibility of the student, although sometimes it is possible to arrange bus transportation through the home school district.

Participating employers from the Southern Tier include area hospitals, governmental agencies, non-profit agencies and a wide range of private business and industry sites. While not an expectation, students may be offered jobs by their worksite supervisors because of the positive attributes they’ve displayed while on their internships.

Cooperative Work Experience
Outstanding students may qualify to participate in a paid cooperative work experience as part of their career training. Students will be selected based on skills, attendance, grades and maturity. This experience may occur during the summer or at a time mutually agreed upon by the student, school and employer. An individual training plan will be created with specific academic and technical skill objectives which will be updated as the need arises. The student will be responsible for keeping a daily log to record skills accomplished during the work experience.

In addition, the Capstone Program is offered at the Bush campus. This program is provided for outstanding seniors in the second half of the final year of their Career and Technical Education program. Qualified students, if given the opportunity to work in their field of training, are encouraged to take this step.

First Year Experience
FYEX 1000 (Bush)
In addition to the Corning Community College ACE courses listed under specific CTE programs throughout this catalog, Bush New Visions programs also offer students the opportunity to enroll in FYEX 1000. FYEX 1000 is a CCC required college course that facilitates intellectual and social integration of first year students into the academic community. The course provides specific methods and strategies which students may adopt to promote personal growth and success both in the college environment and throughout life.

FYEX 1000 students are released from their CTE program for one to two hours each week in order to fulfill the 45-hour college course requirement. Interested students must apply to a committee of teachers and administrators in order to be selected for this course.
Human Services & Education

The New Visions Human Services and Education course is designed for accelerated, college-bound seniors who are interested in pursuing a career in the field of human services or education. This program is demanding and extremely rewarding for a highly motivated, mature and academically capable student. The New Visions Human Services and Education curriculum emphasizes expanding written and oral communication skills, professionalism and emotional intelligence in order to better prepare students for success in college. Students acquire new knowledge through independent and cooperative learning and demonstrate relevant knowledge assimilated through non-traditional assessment methods. Classroom time is supplemented with many different on-site rotations.

As a New Visions student, you will earn credit for senior English (1 credit), Participation in Government (.5 credits), and Economics (.5 credits) in addition to two credits in Occupational Education.* You also will earn three FYEX credits.

*Health Careers students instead may choose to earn 1.5 credits in Occupational Education and .5 credit in Health.

Curriculum Content:
- Introduction to Human Services & Education
- Career Exploration & Professionalism
- Senior English/Senior Government/Senior Economics (Integrated)
- Technology integration in education
- ACE First Year Experience (FYEX) – three credits
- ACE English 1010 and 1020 – six credits
- ACE Professionalism – three credits
- ACE Service Learning – three credits

Prerequisites:
Students must have met all graduation requirements by the end of their junior year, except for Senior English, Participation in Government and Economics.

In addition, students must have:
- Demonstrated high motivation by writing an essay describing their goals and attributes
- Recommendations from a school counselor, an administrator and three academic teachers
- Successfully completed the interview process
- A grade point average of 85 percent or higher
- Excellent attendance records of 90 percent or better (reviewed on an individual basis).

Special Clothing/Materials Needed:
Business/educational attire

Job Opportunities with Post-Secondary Education Include:
- Activities Director
- Attorney (Family Law)
- Case Worker/Service Coordinator/Community Helping Professionals
- Social Worker (various settings)
- School Counselor
- Mental Health Counseling/Substance Abuse
- Pre-K - 12 Educator (including special areas such as Phys. Ed., Art and Music)
- Parole/Probation/Police Officer
- Psychologist
- Special Education
- Speech, Occupational or Physical Therapist

Continued on next page
Health Careers Exploration

New Visions fosters recognizing and articulating the interrelationship between the student’s academic subjects and career aspirations in the health field.

New Visions Health Career Exploration students choose from more than 80 rotation sites in area hospitals, offices and clinics. The students experience 50 different rotation opportunities throughout the year.

- Clinical observation is the best way for you to determine whether the daily responsibilities and different settings typical of the profession are a good fit for you, and whether you feel you have the aptitude and level of dedication necessary to develop the skills and attributes required of those who thrive and find fulfillment within the profession.
- Watching practitioners interact with patients/clients is the most effective way to begin learning about the clinical skills, ways of communicating and attributes you may want to emulate, as well as which styles of interaction do not suit you.
- Through clinical observation, you can form a more personal connection with the profession.
- Health professions programs often require some job shadowing and these experiences help build your credibility with program admission committees by showing them that you have thoroughly researched the profession. Programs look favorably upon applicants who go beyond minimum requirements and some even look negatively upon applicants who only do the bare minimum; they perceive it (accurately or not) as reflecting a lack of genuine interest in the profession.
- Extensive shadowing and thorough journaling about your experiences greatly strengthen personal statements, letters of recommendation and admission interviews.
- Most advanced health career programs recommend that at least one of your letters of recommendation come from a practitioner within the field with whom you have undertaken substantial clinical observation.
- Shadowing continues to pay off in professional school. Students with prior shadowing experiences get much more from their collegiate rotations.

Curriculum Content:

This is a total immersion approach to education, integrating:

- Senior English/Senior Government/Senior Economics
- Human Anatomy
- Medical Terminology & the Disease Process
- Medical Skills & Clinical Practices
- ACE First Year Experience (FYEX) – three credits
- ACE English 1010 and 1020 – six credits
- ACE Professionalism – three credits

Special Clothing/Materials Needed:

Students must purchase at least one set of navy scrubs and one pair of white clinical shoes. A lab coat is provided.

Job Opportunities with Post-Secondary Education include:

- Doctor/Physician/Surgeon
- Practical Nurse
- Athletic Trainer/Sports Medicine
- Chiropractor
- Dentist/Orthodontist/Dental Hygienist
- Health Services Administrator
- Pharmacist
- Clinical Laboratory Sciences
- Health Information Management
- Registered Professional Nurse/Nurse Practitioner
- Physical Therapy/Speech Therapist/Occupational Therapist
- Radiologic Technologist/Nuclear Medicine/Ultrasound/Interventional/CAT
- Mental Health Professional/Psychologist/Psychiatrist/Therapist
- Paramedic/Emergency Medical Technician

Additional Considerations:

New Visions students acquire proficiency in effective interaction with people other than their peer group, independence from the traditional learning process and the ability to recognize the relationship between academic, social and employment skills. The class is demanding but is extremely rewarding for a highly motivated, mature and academically capable student. The New Vision Health Career Exploration student is well prepared for a successful college experience. More than 98 percent of students have continued their education at institutions including Cornell University, Columbia University, D’Youville College, Ithaca College, Syracuse University, Mansfield University, SUNY Binghamton, SUNY Albany, Medaille College, SUNY Geneseo, SUNY Brockport, University of Rochester, Rochester Institute of Technology, Daemen College, St. John Fisher, LeMoyne College, SUNY Oswego, SUNY Fredonia, Old Dominion University, James Madison University, Brown University Medical School and SUNY Upstate Medical School.
Innovation, Leadership & Business

How can an academically challenging program be developed for high potential, high achieving students that prepares them for careers that may not exist today and gives them the skills to solve problems that one can hardly imagine? This is the focus of the New Visions Innovation, Leadership and Business (ILB) program.

The goal of the New Visions ILB program is to help students develop timeless skills that would be highly valued in a variety of careers. These skills include teamwork, leadership, communication, innovation, problem solving and entrepreneurism.

The New Visions ILB program is team and project based. Students’ activities are primarily in small groups where an exchange of ideas is the melting pot of innovative problem solving. While working on challenging open-ended problems, students develop their own methods of solving problems through working with others in an atmosphere that can lead to conflict. Conflict is a natural outcome of team growth, and conflict resolution skills will be taught and developed through this process.

In addition to classroom activities, students in this program will have the opportunity to explore a wide range of various careers in not-for-profit and charitable agencies, small businesses, corporations and technology and engineering firms. Whether a student works for someone or decides to start his or her own business, it is critical to understand basic business concepts.

Projects:

These are examples of possible projects. Students are involved in the selection process each year.

• Business Plan Competition
• DECA Idea Challenge
• Investing Project
• E-Congress National Legislation Competition
• Event Promotion Project (real-world)

Curriculum Content:

• Business & Engineering Career Exploration
• Small Business
• Entrepreneurism
• Problem-Solving
• Conflict Resolution
• Research Skills
• Teamwork/Leadership
• Senior English/Government/Economics (Integrated)
• ACE First Year Experience (FYEX) – three credits
• ACE English 1010 and 1020 – six credits
• ACE Public Speaking – three credits

Job Opportunities with Post-Secondary Education

Include:

Entrepreneurship
Logistics and Communication
Accounting
Public Safety/Administration
Computer Science/Robotics
Management
Finance and Investing
Marketing
Sales
Law

Engineering such as:

Civil/Structural
Architectural
Electrical
Manufacturing
Aerospace
Chemical
Automotive
Mechanical
• Technology integration in education
• Senior English (1 credit)
• Participation in Government (.5 credit)
• Economics (.5 credit)
• Occupational Education (2 credits)
• ACE English 1010 and 1020 (6 credits)
• EDU 230 – Psychological Foundations of Education
  (3 credits, Alfred University)
• EDU 231 – Social Foundations of Education
  (3 credits, Alfred University)

Special Clothing/Materials Needed:
Business/educational attire

Job Opportunities with Post-Secondary Education Include:
Preschool Educator
Elementary Educator
Middle School Educator
Secondary Educator
Special Educator
School/Drug Abuse Counselor
Speech Therapist
Occupational Therapist
Physical Therapist
Social Worker in various settings
Mental Health/Substance Abuse Counselor
Child Care Worker
School Administrator
Activities Director
Attorney/Law Guardian
Case Worker/Service Coordinator
Correctional Facility Counselor
School Counselor
Marriage and Family Therapist
Parole/Probation Officer

Education & Human Services (Wildwood)
The New Visions Education and Human Services course is designed for accelerated, college-bound seniors who are interested in pursuing a career in the field of education or human services. This program is demanding and extremely rewarding for a highly-motivated, mature and academically-capable student. The New Visions Education and Human Services curriculum emphasizes expanding written and oral communication skills. Students acquire new knowledge through independent and cooperative learning and demonstrate learning through traditional and non-traditional assessment methods. Classroom time is supplemented with many different on-site rotations at various local schools and community agencies. Students learn about the foundations of education, write and execute lesson/therapy plans, learn and apply skills in peer mediation and conflict management, complete mandated reporter training and develop an understanding of general case management. Students also obtain knowledge through hands-on experiences and mentoring by professionals in the fields of education and human services.

Curriculum Content:
• Introduction to Education, Special Education & Human Services
• Personal Finance Management
• Career Exploration & Professionalism

New Visions Programs
CO-SER: Coopers 101.100, Wildwood 101.300
Health Careers Exploration (Coopers)

This course is designed for college-bound seniors who have a desire to go into a health care occupation. This New Visions program will provide students with both academic theory on basic medical concepts and opportunities for clinical rotations at medical facilities. This curriculum also includes Basic Human Anatomy/Physiology, Medical Terminology and Disease Processes. Students also will earn 1/2 credit for Participation in Government, 1/2 credit for Economics, ACE English 1010 and 1020 (6 credits total), ACE First Year Experience (FYEX - 3 credits) and ACE Professionalism (3 credits).

Program Overview:

• Students will learn medical concepts through inquiry, lecture, debate, projects and hands-on activities.

• Students will acquire basic medical skills such as vital signs, use of personal protective equipment and infection control are learned through hands on practice in the classroom and clinical settings.

• Clinical rotations include shadowing health care professionals in the local community. Rotation sites include: Corning Hospital, Guthrie Clinic, Healthworks and local doctors' offices, chiropractors and AMR ambulance. Areas of shadowing include but are not limited to: Radiology, Occupational Therapy, Operating Room, Cardiac Stress Lab, Cancer Treatment, Physical Therapy, Respiratory Therapy and Pharmacy.

• Clinical observations are the best way for you to determine whether that setting is a good fit for you and whether you feel you have the aptitude and level of dedication necessary to develop the skills and attributes required of those who thrive and find fulfillment within the profession.

• Watching interaction between patients/clients with practitioners is an effective way to learn about clinical skills and ways to communicate.

• Health profession programs often require some job shadowing and these experiences help build your credibility with program admission committees showing them you have thoroughly researched the profession. These programs look favorably upon applicants who go beyond minimum requirements.

• Most advanced health career programs recommend that at least one of your letters of recommendation come from a practitioner within the field with whom you have undertaken substantial clinical observation.

• Students with prior shadowing experiences get much more from their collegiate rotations. This class is demanding but rewarding for a highly motivated, mature and academically capable student. Excellent attendance is a must!

• Students desiring to enroll in this program must complete an application and go through an interview process to be accepted.

Special Clothing/Materials Needed:
Black scrubs and black duty shoes

Post-Secondary Opportunities:
Past New Visions students have gone on to study at undergraduate colleges including University of Rochester, RIT, St. John Fisher, LeMoyne, Syracuse, Dartmouth, Springfield College and SUNY Geneseo, Binghamton and Albany. Medical schools attended by graduates include University of Rochester, Upstate Medical, University of Buffalo, Pitt and Hershey.

Integrated Academic Credits:
Participation in Government (.5 credit)
Economics (.5 credit)
ACE English 1010 and 1020 (6 credits)
ACE First Year Experience (FYEX - 3 credits)
ACE Professionalism (3 credits)

Health Careers Exploration (Wildwood)

This course is designed to provide students with opportunities to study basic medical concepts and investigate areas of interest through job shadowing experiences. Students study human anatomy and physiology using prepared slides, skeletons, models, animal dissection, experiments and lectures. Basic medical skills such as vital signs, use of personal protective equipment and infection control are learned through hands-on practice in the classroom and clinical settings. Clinical rotations include shadowing health care professionals in the local community. Rotation sites include Corning Hospital, St. James Mercy Hospital, Guthrie Clinic, Elderwood and various private practitioners in the community. Areas of shadowing include but are not limited to: Radiology, Physical Therapy, Occupational Therapy, Recreation Therapy, Endoscopy, Emergency Room, Operating Room, Pediatrics, Cardiac Rehab, Stress Lab and Cancer Treatment.

Curriculum Content:

• Clinical rotations include shadowing health care professionals in the local community.

• Senior English/Senior Government/Senior Economics (Integrated)

• Anatomy & Physiology 1 & 2 – eight credits (Alfred University)

Special Clothing/Materials Needed:
Black scrubs and black duty shoes

Post-Secondary Opportunities:
The Anatomy and Physiology elements of this program are accepted as fulfilled requirements at many schools, providing an advantage in course work and financial savings. Past students have gone on to study at undergraduate colleges including University of Rochester, RIT, St. John Fisher, LeMoyne, Syracuse, Dartmouth, Springfield College and SUNY Geneseo, Binghamton and Albany. Medical schools attended by graduates include University of Rochester, Upstate Medical, University of Buffalo, Pitt and Hershey.

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Remote Pilot Aerial Systems (Drone)
Waverly Etten Satellite Location
CO-SER: Bush 101.200

Remote Pilot Aerial Systems (Drone) is a two-year program offered at the Waverly High School Satellite Location to area juniors and seniors who seek to earn a CTE certificate. Students who take the course for non-CTE credit will be offered elective credits for their participation. This program prepares students for careers and continuing education examining current advances in the technical agricultural and mechanical industry.

Curriculum Content:
• Basic photography and videography
• How chemicals affect the human body and its ability to operate RPAS
• Physics of flight, signal transmission and basic electronics
• Reading and producing a map
• Airport operations and its effect on UAS operations
• Abbreviations used in METARs, NOTAMs and TAFs
• Aeronautical decision making

Program Considerations:
Students must:
• Be able to read a small computer screen
• Have excellent eye/hand coordination
• Be able to lift a minimum of 25 pounds
• Behave safely around sharp, heated and potentially hazardous moving equipment, chemicals and gases

Special Clothing/Materials Needed:
Weather-appropriate clothing

Related College Studies:
Agriculture, Crop and Forestry Analysis, Watershed Analysis and Environmental Conservation
Criminal Justice
Cinematography & Photography

Integrated Academic Credits (over two years, pending NYSED course approval):
English (1 credit)
Science (1 credit)
Here’s what members of the CTE Advisory Council Hall of Fame have to say about the CTE Program...

**Jason Emo**

Jason is a 1990 graduate of the Auto Body and Heavy Equipment programs at the Wildwood Education Center and Alfred-Almond Central School. He has served as the Hornellsville Highway Superintendent since 2012. Jason provides internships for current GST BOCES students; he enjoys working side by side with them and serving as a mentor as they develop work skills.

Jason: “I really struggled in high school. If it wasn’t for BOCES, I am not sure I would have made it. I learned hands-on skills that I still use today in my supervisory role. My message to students who struggle is don’t give up! You have to have grit and perseverance.”

**Ryan Harrison**

Ryan is a 2005 graduate of Hornell High School and the Criminal Justice program at the Wildwood Education Center. He is a sergeant with the City of Hornell Police Department. He remains involved in the Criminal Justice program by serving as a guest speaker and mock interviewer. He also assists with student performance evaluations.

Ryan: “The Criminal Justice program at GST BOCES gave me the opportunity to go “behind the scenes” and get a real feel for what working in law enforcement is like. This made my career choice no longer an unsure thing and gave me an advantage as I continued to the position I hold today.”

**Anna Leszyk**

Anna is a 2007 graduate of Southside High School and the Dental Assisting program at the Bush Education Center. She is a dental hygienist at the offices of Dr. Warren Eng and Dr. Mark Shaw. She has shared her skills and knowledge by offering dental hygiene presentations for GST BOCES Adult Education students and students in local elementary and middle schools.

Anna: “GST BOCES had a major impact on my life. Without the instructor’s support and real-world experience, I probably wouldn’t be where I am today. It gave me the foundation I needed to succeed in both college and the workplace.”

**Thu Tran**

Thu attended the GST BOCES Adult Education English as a Second Language program after arriving in the US from Vietnam. She went on to complete the Cosmetology program at the Coopers Education Center in 2009. In 2012, she opened her own salon, Studio 2 Hair and Nail Salon, on Market Street in Corning. She remains involved with the Cosmetology program by offering internships, visiting classes and serving on the CTE Advisory Board.

Thu: “I would like to thank the wonderful educators and staff at GST BOCES. The GST BOCES Adult Education English as a Second Language program was very helpful for me to learn English. I was lucky to attend one of the amazing CTE programs at GST BOCES. The Cosmetology program provided me with the professional knowledge and skills that I needed to be successful in my career today.”
GST BOCES provides cost-effective, quality programs and services through the collaborative efforts of the following school districts:

Addison • Alfred-Almond • Arkport • Avoca
Bath • Bradford • Campbell-Savona • Canaseraga
Canisteo-Greenwood • Corning-Painted Post
Elmira • Elmira Heights • Hammondsport
Hornell • Horseheads • Jasper-Troupsburg
Odessa-Montour • Prattsburgh
Spencer-Van Etten • Watkins Glen • Waverly

Greater Southern Tier BOCES

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459 Philo Road
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(607) 739-3581

Coopers Education Center
9579 Vocational Drive
Painted Post, NY 14870
(607) 739-3581

Wildwood Education Center
1126 Bald Hill Road
Hornell, NY 14843
(607) 739-3581