

2022-23

EDUCATION WORKFORCE REPORT



**Tioga County Economic
Development & Planning**

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EDUCATION WORKFORCE STRATEGY

2020-2025 Tioga County Workforce Development Strategy

The 2020-2025 Tioga County Workforce Development Strategy is Tioga County's response to facilitate connections between and among local school districts, higher learning institutions, and local and major employers. The strategy outlines a roadmap to realize a highly qualified and skilled talent pipeline that supports alignment with local employer needs. It is an integrated approach that accounts for the current level of planning support and provides direction in the form of short, medium, and longer-term actions to guide the County's workforce initiatives through 2025.¹ This document can be found at:

<https://www.tiogacountyny.com/media/8145/the-2020-2025-tioga-county-workforce-development-strategy.pdf>

Target Sectors

Tioga County's workforce considerations include a profile of target sectors and an assessment of the talent supply and demand for each sector.¹ Target sectors for Tioga County include:

1. Advanced Manufacturing
2. Hospitality
3. Warehousing/Distribution
4. Healthcare
5. Professional Services
6. Agriculture

Talent Supply Table

The Talent Supply Table (TST) is a partnership of educators, employers, and regional economic development and workforce providers to improve the talent pipeline in Tioga County. This standing committee will enable knowledge exchange and dialogue to explore how the education sector may work more collaboratively, share resources, and support talent development.

The primary members of the TST are administrators from Tioga County school districts, BOCES, the Tioga County Career Center, and Tioga County Economic Development & Planning. Subcommittees include program coordinators, school counselors, inter-governmental agencies, and local business representatives.²

EDUCATION WORKFORCE COORDINATOR

The Education Workforce Coordinator (EWC) acts as a facilitator between Tioga County Economic Development & Planning, school districts, post-secondary institutions, and local and regional industry leaders. The EWC facilitates the management of the Talent Supply Table and assists partners in successfully building career pathways for students that link directly to local businesses. As the main point of contact for all stakeholders, the EWC is responsible for implementing action items prioritized by the Talent Supply Table.²



Greater Valley Regional Job Fair
(Renamed Twin Tiers Regional Job Fair for 2023)



Home Central Trades Day

Please contact the Education Workforce Coordinator to coordinate opportunities with multiple school districts and/or BOCES such as:

- Student Internships
- Student Job Shadows
- Business Tours
- Guest Speaker Opportunities
- Events
- Job Fairs
- Hiring Current Students
- Hiring Graduating Students

Tioga County Economic Development & Planning
Sean Lanning, *Education Workforce Coordinator*
lannings@tiogacountyny.gov
607-687-8267

TIOGA COUNTY CAREER CENTER

The Tioga County Career Center offers a variety of educational programs and services to help job seekers prepare for and connect with businesses. Some of these programs are:

- Job Referral and Placement Assistance
- Job Search Services - Resumes, Cover Letters, Application and Interview Skills Assistance
- Tioga Adult Learning Lab (T.A.L.L.)
- On-the-Job Training
- High School Equivalency (GED/TASC) classes
- WIOA Young Adult Program (16-24 years old)
- Summer Youth Employment Program



The Workforce Innovation and Opportunity Act (WIOA) program is a federally funded program that serves 16-24 year old youth facing significant barriers to employment. Aspects of the program include:

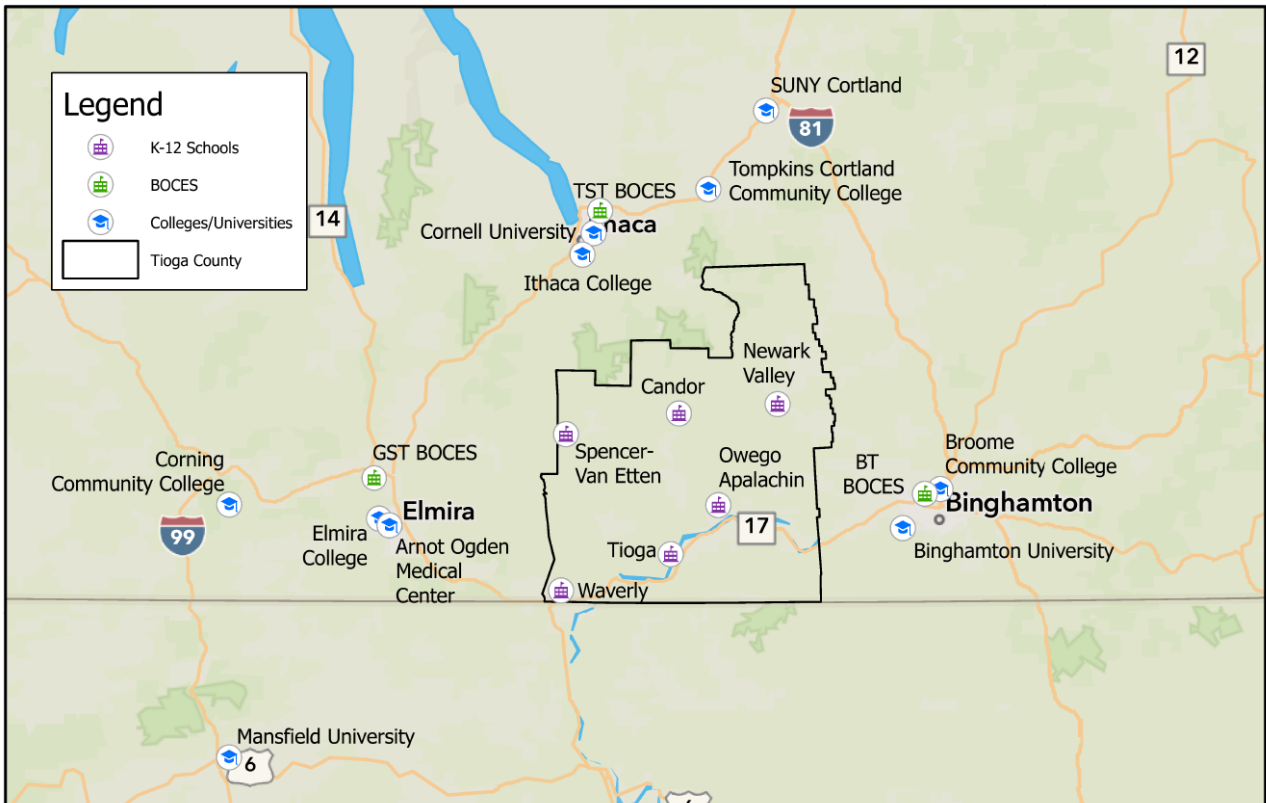
- Work Readiness Training
- Financial Literacy Training
- Career Exploration
- Goal Setting
- Transportation Assistance
- Incentives
- Interview Training
- Follow Up Services

To connect with the Tioga County Career Center on any of these programs, please contact one of the following individuals:

Tioga County Career Center
Jackie Burdick
Director
burdickj@tiogacountyny.gov
607-687-8504

Tioga County Career Center
Lisa Weston-Bialy
WIOA Youth Employment Resource Educator
lw345@cornell.edu
607-687-8501

TIOGA COUNTY EDUCATION PARTNERS



K-12 Schools

Tioga County is home to six K-12 central school districts (CSD), including:

1. Candor CSD
2. Newark Valley CSD
3. Owego Apalachin CSD
4. Spencer-Van Etten CSD
5. Tioga CSD
6. Waverly CSD

BOCES

These six Tioga County school districts partner with the following Board of Cooperative Educational Services (BOCES) institutions:

1. Broome-Tioga (BT) BOCES in Binghamton
2. Greater Southern Tier (GST) BOCES in Horseheads
3. Tompkins-Seneca-Tioga (TST) BOCES in Ithaca

Colleges and Universities

Several higher education institutions are located in neighboring counties, including: SUNY Broome Community College (BCC), SUNY Corning Community College (CCC), SUNY Tompkins Cortland Community College (TC3), SUNY Binghamton University, Cornell University, SUNY Cortland, Elmira College, Ithaca College, Mansfield University, and Arnot Ogden Medical Center.

SCHOOLS & BOCES PARTNERS



Candor Central School
District



Newark Valley Central
School District



Owego Apalachin Central
School District



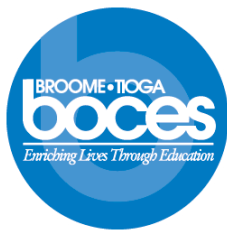
Spencer-Van Etten
Central School District



Tioga Central School
District



Waverly Central School
District



Broome-Tioga BOCES



Greater Southern
Tier BOCES



Tompkins-Seneca-Tioga
BOCES

CANDOR CSD



The mission of the Candor Central School Community is to challenge students to become responsible, knowledgeable, contributing citizens within a caring environment where lifelong learning is valued and differences are accepted.³ In 2019-2020, Candor Central School District enrolled a total of 718 students.⁴



Machinist/Machine Tool Technology CTE Program

Candor High School offers a CTE-certified Machinist/Machine Tool Technology program that includes classes such as Design and Drawing for Production (DDP), Architectural Drawing, Computer-Aided Drawing & Design (CADD), Manufacturing Drawing, and Principles of Technology.



Early Career Program

Candor High School's Early Career program covers all student jobs and internships. The program was very successful for five years before the COVID-19 pandemic, partnering with several area businesses. In 2019, the last full year of operation, 13 students participated in the program.



Partnership with Cornell Cooperative Extension

Starting fall 2022, Candor is partnering with Cornell Cooperative Extension (CCE) to teach agriculture classes to students at CCE's Hilltop Community Farm located on Cass Hill Road in Candor.⁵ High school students will take an Intro to Animal Science class in a classroom on the premises, with numerous opportunities for hands-on experience working with the animals on the farm. Further class options will be added in the future.

NEWARK VALLEY CSD



Newark Valley Central Schools prepare all students, traditional as well as non-traditional, to become and remain productive contributing citizens in a continuously changing world. They do so in a supportive environment that provides experiences that will guide their students to the knowledge, skills, and attitude necessary for current and future success.⁶ In 2019-2020, Newark Valley Central School District enrolled a total of 1,075 students.⁷



Business Classes

Newark Valley High School offers a variety of business electives to students. These courses include Customer Service for Retail Business, Marketing, Entrepreneurship & Business Law, Principles of Accounting, and Personal Money Management.



School-Based Enterprise: The Nest

The Nest at Newark Valley High School is a student-run café, open all periods of the day except lunch, and overseen by the Business teacher. The Nest allows students to gain work experience and receive scholarships while working in the café. Students can practice concepts learned in their Customer Service for Retail Business class. This is a great way for students to add to their resume. Students receive local credit depending on how often they work.



Partnership with Visions Federal Credit Union

Visions FCU has an office located inside the high school's campus, providing an exclusive banking solution for the staff and students of Newark Valley High School. In addition to a traditional Visions ATM, this location has access pods for students and educators to facilitate private virtual meetings with Visions staff.⁸

OWEGO APALACHIN CSD



The mission of the Owego Apalachin Central School District is to be a model district that provides all students with an engaging experience that prepares them for their future and ensures that they have the skills necessary to be successful, contributing adults.⁹ In 2019-2020, Owego Apalachin Central School district enrolled 1,922 students.¹⁰



STEAM Academy

The OACSD STEAM Academy (Science, Technology, Engineering, Agriculture/Arts, Math) is a collection of classes that spans Pre-K through senior year, teaching students aquaponics, coding, pre-engineering, robotics, and more. STEAM Academy emphasizes hands-on and problem-based learning through a STEAM lens, equipping students with the innovative skills needed for the workplace of tomorrow.



Liberty Street House Revitalization

OACSD, in partnership with the Tioga County Land Bank, currently have junior and senior level students enrolled in the school district's Building Trades and Construction Systems program rehabilitating a single-family home in the Village of Owego. As a part of this program, students will learn technical skills in specialized areas of carpentry and cabinet making, residential wiring, plumbing, and heating.¹¹



OA Career Center

The newly opened OA Career Center is a resource for career development. It is a place where students and parents can examine career opportunities and obtain information on job and career options, colleges, scholarships, financial aid, the military, and emerging occupations. The Career Center is fully staffed and open for students to examine their post-high school options.

SPENCER - VAN ETTEN CSD



The mission of the Spencer-Van Etten Central School District is to promote pride, inspire growth, and foster innovation.¹² In 2019-2020, the Spencer-Van Etten Central School District enrolled a total of 831 students.¹³



Agriculture Program

Spencer-Van Etten High School offers agriculture classes to students. These courses include Intro to Agriculture, Food, and Natural Resources, Small and Large Animal Science, Horticulture, and Environmental Science. In addition, students from the Middle School and the High School participate in the Future Farmers of America (FFA) Club.



Peer Tutoring Program

Utilizing funds from the American Rescue Plan Act (ARPA), Spencer-Van Etten High School started a paid peer tutoring program in April 2022. For peer tutors, the experience will serve as a leadership opportunity, aid in soft skills development, and is a paid opportunity that avoids potential travel obstacles.



NYS Learner's Permit Test

Students 16 years of age or older can take the written Learner Permit Test given by New York State's Department of Motor Vehicles at S-VE over the Internet. The results are immediate. Students who pass the online test will get a receipt and other forms which they can take to any DMV office and apply for a permit. Students who do not pass the test can retake the test as many times as is necessary. This addresses some of the transportation issues that students face in obtaining their driver's license.

TIOGA CSD



The mission of Tioga Central School District is to teach intellectual, civic, and social skills in a challenging and responsive environment in order to meet the diverse needs of students.¹⁴

In 2019-2020, the Tioga Central School District enrolled a total of 886 students.¹⁵



Technology Program

Tioga High School offers many technology classes to students. These courses include Design/Drawing for Production (DDP), Manufacturing, Woodworking, Architecture, Computer-Aided Design (CAD), a Building Trades program, and a Welding program. The school is currently exploring CTE accreditation for the Welding program.



Tiger Farm

The Tiger Farm is a five-acre school garden that includes an orchard, raised beds, and a hoop house. Since 2016, the farm has provided students of all ages with hands-on agriculture education. This year, the high school has added four agriculture classes to their course offerings.



Partnership with Catholic Charities Tompkins/Tioga

Special Education students from Tioga Central School District take a short bus ride to Catholic Charities' Nichols location twice a week to volunteer and develop work-based skills in a variety of settings. Whether helping in the clothing boutique, the food pantry, or the community kitchen, students are exposed to a real-time work setting and can prepare for their post-secondary transition.

WAVERLY CSD



The mission of Waverly Central School District is to "Inspire. Educate. Learn. Succeed. Grow."¹⁶

In 2019-2020, the Waverly Central School District enrolled a total of 1,442 students.¹⁷



Wolverine Den Enterprises

Wolverine Den Enterprises is the school-based enterprise that allows students to learn professional skills in a safe, educational environment, prior to sending them into a community internship setting. Hands-on experiences include work in the Coffee Shop, Code Red Help Desk, Ingersoll-Rand Federal Credit Union (IRFCU) Student Branch, Special Events & Catering, and Concessions. All divisions are run by a student management team, consisting of juniors and seniors that serve as WCSD interns.



Workplace Experiences

Internships, job shadows, and work-based experiences are coordinated through Waverly's Work-Based Learning (WBL) Coordinator. Students may work with already-affiliated work sites or find new placements through WCSD. NYSED mandates that students have 216 hours of combined Career & Technical Education (CTE) courses and WBL internship time. Waverly mandates 108 hours of WBL internship.



Chemung Center for Innovation

The Chemung Center for Innovation will host programs that provide students with hands-on STEM training in the skills sought by employers across the Southern Tier. Students will receive specialized training and hands-on experience for in-demand local industries in the Southern Tier and Upstate New York. The center will focus on clean energy, agriculture, electric transportation, sustainability, HVAC, drones, a business center, and a small business incubator.¹⁸

BOCES PARTNERS



Partnering BOCES Institutions

1. Broome-Tioga BOCES

**2. Greater Southern Tier
BOCES**

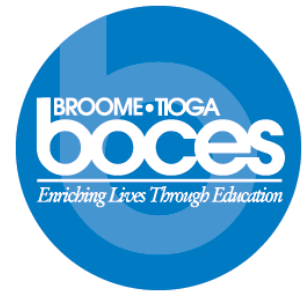
**3. Tompkins-Seneca-Tioga
BOCES**

BOCES is a unique and innovative educational institution established to help public schools control costs and provide quality programs by sharing services. BOCES operates as an extension of the local school districts and the New York State Education Department.¹⁹

There are 37 BOCES in New York State, and they exist to help the state's 700 school districts better serve their students through collaboration and cost containment.²⁰

School districts depend on BOCES to meet their educational and financial goals by developing shared programs that serve children from all districts regardless of enrollment, income, or size of tax base. BOCES helps to relieve some of the financial burdens increasingly placed on local taxpayers.²⁰

BROOME-TIOGA BOCES



Attending Tioga County Schools

Newark Valley CSD, Owego Apalachin CSD, Tioga CSD

High School Programs

P-TECH: Computer Technology, Engineering Technology, Health Studies

New Visions: Business, Health, Education, Law and Government, Engineering.

CTE Programs:

Advanced: Manufacturing, Auto Technology, Criminal Justice, Graphics & Gaming Design, Health Science, IT Specialist.

Intermediate: Animal Science, Auto Body Repair, Carpentry, Computer-Aided Design & 3-D Design, Cosmetology, Culinary Arts, Electricity, Heavy Equipment Repair & Operation, Masonry, Plant Science, Video Production, Welding.

Intro: Building Trades/Plumbing Careers, Business Management & Computer Careers, General Automotive Services, Hospitality Industry Careers, Retail Warehousing Skills

Other Programs: Evertech Academy, Tech Academy

Adult Education Programs

Building Maintenance, Certified Nurse Aide, Certified Sterile Processing Tech, Cosmetology, Phlebotomy, Practical Nurse, Welding, Residential Electric, Home Health Aide

Events

BAE Summer Camp, Canstruction, Career Information Fair, Career Expo, Construction Career Day, Dress for Success, STEM Hub Engineering Day, Greater Binghamton Scholastic Challenge, Kopernik Space Day, Lockheed Martin Engineering Day, P-TECH Summer Bridge, Raymond Manufacturing Day, STEM Hub Robotics Day, CTE Senior Project Showcase, STEAMfest, STEAM Pathways Event, Trade Committee Breakfast, Trade Committee Dinner, Visions Federal Credit Union's 'Life is a Reality'

GREATER SOUTHERN TIER BOCES

Attending Tioga County Schools

Spencer-Van Etten CSD, Waverly CSD



High School Programs

P-TECH: Advanced Technical Education, Healthcare, Clean Energy, Information Technology

New Visions: Health Careers Exploration, Human Services & Education, Innovation, Leadership & Business

CTE Programs: Animal Science, Auto 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, Nurse Assisting, Welding & Machine Trades, Welding & Metal Fabrication

Adult Education Programs

Cosmetology, Esthetics, 60-Hour CDL, Construction Equipment Operation, Industrial Technology, HVAC/R, Welding, Precision Machining, Nurse Aide Training, Phlebotomy Technician Certification Preparation Program, Dental Assisting, Practical Nurse

Events

Construction Trades Employers Day, Spring Employers Day, CTE College Information Day

Career Development Council

The Career Development Council (CDC) is an educational not-for-profit affiliated with the Greater Southern Tier BOCES. The CDC partners with business, industry, and area school districts to provide high-quality K-12 career education services including career days, job shadowing, career panels, career-related field trips and site visits, career speakers, mock interviews, and more.²¹

TOMPKINS-SENECA- TIOGA BOCES

Attending Tioga County Schools

Candor CSD



High School Programs

P-TECH: Computer Science, Advanced Manufacturing

New Visions: Engineering, Health and Medical Sciences, Life Sciences/Applied Scientific Method

CTE Programs: Animal Science, Auto Body, Auto Technology, Computer Technology/Cybersecurity, Cosmetology, Criminal Justice, Culinary Arts, Digital Media Technology, Early Childhood, Heavy Equipment, Nurse Assisting & Health Occupations, Sports Conditioning & Exercise Science, Welding, Career Exploration, Food Services, Outdoor Recreation Services

World of Work: Career Exploration, Food Services, Outdoor Recreation Services

Adult Education Programs

Heat Pump Installation, Defensive Driving, Welding, Coaching, Precision Machining, Health & Safety

Events

Green Energy Expo, Manufacturing Day, Health Expo

SCHOOL & BOCES CONTACTS

If your business would like to get in touch with a specific school or BOCES, please contact one of the following individuals:

School Districts

Candor Central School District

Mark Burrell, *Early Career Coordinator*
 mburrell@candorcs.org
 607-659-5020
 www.candorcs.org

Newark Valley Central School District

Erica D'Alessandro, *School Counselor*
 edalessandro@nvcs.stier.org
 607-642-5696
 www.nvcs.stier.org

Owego Apalachin Central School District

Tom Westcott, *Career Center Coordinator*
 westcott@oacsd.org
 607-687-7301 x1081
 www.oacsd.org/page/career-center

Spencer-Van Etten Central School District

Marjorie McKinery, *School Counselor*
 mmckinery@svecsd.org
 607-589-7142
 www.svecsd.org

Tioga Central School District

Jane Seymour, *School Counselor*
 jseymour@tiogacentral.org
 607-687-3116
 www.tiogacentral.org

Waverly Central School District

Ryan Alo, *Work-Based Learning Coordinator*
 ralo@wcsdletsgo.com
 607-565-8101 x1006
 www.waverlycte.org

BOCES

BT BOCES

Nicole Tryt, *Career Development Center*
 ntryt@btboces.org
 607-763-3671
 www.btboces.org

GST BOCES

Carolyn Connelly, *Work-Based Learning Coordinator*
 cconnelly@gstboces.org
 607-739-3581 x1242
 www.gstboces.org

TST BOCES

Michele Kline, *Career Center Coordinator*
 mkline@tstboces.org
 607-257-1551 x2305
 www.tstboces.org

WORKFORCE PROGRAMS & CLASSES

KEY: (* = CTE Program) (^ = Class) (% = Adult Ed)



Toys made by Candor's Machinist CTE program

Manufacturing

Manufacturing is a target industry for the county. Tioga County's advanced manufacturing sector comprises 21 businesses. The majority of businesses in this sector are fabricated metal product (FMP) manufacturers. These businesses specialize in transforming metal into intermediate or end products.¹

Candor: Machine Tool Technology/Machinist*, Design and Drawing for Production^, Principles of Technology^, Computer-Aided Drawing & Design^, Manufacturing Drawing^

Newark Valley: Computer-Aided Design^, Digital Electronics^, Introduction to Computational Thinking and Programming^, Design and Drawing for Production^, Materials Processing^, Production Systems^, Intro to Engineering^

Owego Apalachin: Intro to Engineering Design^, Principles of Engineering^, Manufacturing Processes I^, Manufacturing Processes II^, Design and Drawing for Production I^, Design and Drawing for Production II^, Robotics and Automation^, Drones^

Spencer-Van Etten: Design and Drawing for Production^, Introduction to Engineering^

Tioga: Design/Drawing for Production^, Manufacturing^, College Computer-Aided Design^, Welding^, Digital Life Skills^

Waverly: Design Drawing and Production (DDP)^, Principles of Engineering^, Digital Electronics^, Computer Integrated Manufacturing^, Civil Engineering and Architecture^, Engineering Design and Development^, Engineering^

BT BOCES: Manufacturing*, New Visions Engineering, P-TECH Engineering Technology, Computer-Aided Design*, Welding*%

GST BOCES: P-TECH Clean Energy, Welding and Machine Trades*, Welding and Metal Fabrication*, Precision Manufacturing%, Welding%

TST BOCES: New Visions Engineering, P-TECH Advanced Manufacturing, Welding*%, Basic Welding%, Intermediate Welding%, Precision Machining%

WORKFORCE PROGRAMS & CLASSES

KEY: (* = CTE Program) (^ = Class) (% = Adult Ed)



Students from Candor's Health Careers class

Healthcare

Healthcare is a target industry for the county. Tioga County's healthcare sector comprises 76 businesses, which is 10% of total businesses in the County. The majority of businesses in this sector are ambulatory health services. Others include nursing and residential care facilities.¹

Candor: Health Careers I[^], Health Careers II/Anatomy and Physiology[^], Health Careers III[^], Emergency Medical Responder[^], Living Environment[^], Advanced Biology[^], Chemistry[^], Dual-Credit Chemistry[^], Strength and Conditioning[^]

Newark Valley: Living Environment[^], Foundations of Living Environment I & II[^], Chemistry[^], Foundations of Chemistry[^], AP Biology[^], Psychology[^]

Owego Apalachin: Principles of Fitness & Conditioning[^], Chemistry[^], Living Environment[^], Biology[^], Human Anatomy and Physiology[^], Sports Medicine[^], Athletic Training[^], Psychology[^]

Spencer-Van Etten: Living Environment[^], General Chemistry[^], Regents Chemistry[^], AP/CCC Chemistry[^], CCC Biology[^], College Anatomy[^], Weight Training[^], Forensic Science[^]

Tioga: Biology[^], College Chemistry[^], Integrated Science[^]

Waverly: Anatomy and Physiology 1&2[^], Microbiology[^], Living Environment[^], Forensic Science[^], Chemistry[^], Biology[^], Integrated Science[^], Introduction to Organic Chemistry[^]

BT BOCES: New Visions Health, P-TECH Health Studies, Health Science^{*}, Certified Nurse Aide[%], Certified Sterile Processing Technician[%], Phlebotomy[%], Practical Nursing[%],

GST BOCES: New Visions Health Careers Exploration, P-TECH Healthcare, Nurse Assisting^{*}, Dental Assisting^{*}, Nurse Aide[%], Phlebotomy Technician[%], Dental Assisting[%]

TST BOCES: Nurse Aide Training Program^{*}, Sports Conditioning and Exercise Science^{*}, New Visions Health and Medical Sciences, Home Health Aide[%]

WORKFORCE PROGRAMS & CLASSES

KEY: (* = CTE Program) (^ = Class) (% = Adult Ed)



Mock Interviews for S-VE Personal Finance students

Professional Services

Professional Services is a target industry for the county. Tioga County's professional services comprise 57 businesses, which is 7% of the total businesses in the County. Some of the services provided by this industry include legal services, accounting, architecture, computer services, consulting, research, translation, and advertising.¹

Candor: Intro to Entrepreneurship[^]

Newark Valley: Personal Money Management[^], Marketing[^], Entrepreneurship & Business Law[^], Principles of Accounting[^]

Owego Apalachin: Accounting I[^], College Keyboarding Using Microsoft Office[^], Principles of Marketing[^], Career and Financial Management[^], Principles of Sports Management[^], AP Computer Science[^]

Spencer-Van Etten: Accounting I[^], Business Law[^], Personal Finance[^], Introduction to Computer Science[^], AP Computer Science[^]

Tioga: Applied Business Math[^]

Waverly: Accounting I[^], Microsoft Office Suite[^], Professionalism[^], Financial Algebra[^], Personal Money Management[^], Dell Technician Certification Course[^], NCUA Teller Certification[^], Entrepreneurship[^], Foundations of Business[^]

BT BOCES: Business Management and Computer Careers*, IT Specialist*, New Visions Business, Criminal Justice*, New Visions Law & Government, P-TECH Computer Technology, Evertech Academy

GST BOCES: Cisco Networking Academy*, New Visions Innovation, Leadership & Business, Criminal Justice*, P-TECH Information Technology

TST BOCES: Computer Technology/Cybersecurity*, Criminal Justice*, P-TECH Computer Science

WORKFORCE PROGRAMS & CLASSES

KEY: (* = CTE Program) (^ = Class) (% = Adult Ed)



Waverly's student-run Wolverine Den Coffee Shop

Hospitality

Hospitality is a target industry for the county. Tioga County's hospitality industry comprises 92 businesses, which is 11% of total businesses in the County. The majority of businesses in this sector are food services and drinking establishments.¹

Candor: Food Services I[^]

Newark Valley: Customer Service for Retail Business[^], The Nest[^]

Spencer-Van Etten: Snack Hut[^]

Waverly: Workforce Development and Preparation: Concessions, Special Events and Catering, Coffee Shop[^]

BT BOCES: Culinary Arts*, Hospitality Industry Careers*, Cosmetology*[%]

GST BOCES: Culinary Arts*, Cosmetology*[%], Esthetics[%]

TST BOCES: Culinary Arts*, Cosmetology*

Warehousing and Distribution



Warehousing and Distribution is a target industry for the county. Available data suggests that there are at least 15 businesses in Tioga County in this sector. The largest occupations in the sector include heavy and tractor-trailer truck drivers, laborers and freight, stock, and material movers.¹

BT BOCES: Retail Warehousing Skills

GST BOCES: Commercial Driver's License (CDL)[%]

WORKFORCE PROGRAMS & CLASSES

KEY: (* = CTE Program) (^ = Class) (% = Adult Ed)



Newark Valley Agriculture students

Agriculture

The Agriculture industry is a target industry for the county. Tioga County's agriculture sector encompasses over one-third of the County's landmass, generating over \$36.7 million annually in local sales, resulting in closer to \$100 million community dollars and employment for over 500 people.¹

Candor: Intro to Animal Science[^]

Newark Valley: Intro to Ag, Food, and Natural Resources[^], Intro to Environmental Science[^], Intro to Food Science[^], Animal Science[^]

Owego Apalachin: Animal Sciences^{*}, Intro to Ag, Food, Fiber, and Natural Resources[^], Animal Production[^], Plant Science Technologies[^], Floral Design[^], Agricultural Leadership[^], Horticulture[^]

Spencer-Van Etten: Intro to Ag, Food, and Natural Resources[^], Small and Large Animal Science[^], Horticulture[^], Environmental Science[^]

Tioga: Experimental Science[^], Intro to Agricultural Science[^], Agricultural Science II[^], Intro to Plant Science/Plant Science II[^]

Waverly: Introduction to Environmental Science[^], Technology and the Environment[^], Sustainability[^]

BT BOCES: Animal Science^{*}, Plant Science^{*}

GST BOCES: Animal Science^{*}, Conservation^{*}

TST BOCES: Animal Science^{*}, New Visions Life Sciences/Applied Scientific Method

WORKFORCE PROGRAMS & CLASSES

KEY: (* = CTE Program) (^ = Class) (% = Adult Ed)



Winner's Circle kit car made by Owego Apalachin students

Automotive

The automotive industry includes industries associated with the production, wholesaling, retailing, and maintenance of motor vehicles.²²

Newark Valley: Transportation Systems^, Land Transportation^

Owego: Winner's Circle^

Tioga: Transportation Systems^

Waverly: Winner's Circle^

BT BOCES: Auto Body Repair*, Auto Technology*, General Automotive Services*

GST BOCES: Auto Body Repair*, Automotive Technology*

TST BOCES: Auto Body Repair*, Automotive Technology*



Waverly HS students reading to Elementary students

Education

The educational services sector comprises establishments that provide instruction and training in a wide variety of subjects and provided by specialized establishments, such as schools, colleges, universities, and training centers.²³

BT BOCES: New Visions Education

GST BOCES: Early Childhood*, New Visions Human Services & Education

TST BOCES: Early Childhood Occupations*, Coaching Philosophy and Principles%

WORKFORCE PROGRAMS & CLASSES

KEY: (* = CTE Program) (^ = Class) (% = Adult Ed)



Communications & Media

The media and communications industry includes various professionals involved in the creation and distribution of information and data, encompassing newspaper, magazine, book publishing; motion picture and sound recording, radio and television broadcasting; internet publishing and broadcasting; and telecommunications services.²⁴

Newark Valley: Media Arts[^]

Owego: Video Production[^], Graphic Arts[^], Intro to App & Game Design[^]

Spencer-Van Etten: Broadcast Journalism[^], Intro to Digital Video[^], Gaming Concepts[^]

Waverly: Sports and Entertainment Marketing and Journalism[^], Broadcast Journalism[^], Technology in the Arts[^], Wolverine News Network[^]

BT BOCES: Graphics & Gaming Design^{*}, Video Production^{*}

GST BOCES: Audio Media Design^{*}, Digital Media Arts^{*}

TST BOCES: Digital Media Technology^{*}

WORKFORCE PROGRAMS & CLASSES

KEY: (* = CTE Program) (^ = Class) (% = Adult Ed)



Tiny House built by Owego's Building Trades students

Building Trades & Construction

The construction sector comprises establishments primarily engaged in the construction of buildings or engineering projects (e.g., highways and utility systems). Construction work done may include new work, additions, alterations, or maintenance and repairs.²⁵

Candor: Architectural Drawing[^]

Newark Valley: Architectural Drawing/Interior Design[^], Construction Systems[^], Wood and Metal[^]

Owego: Building Trades^{*}, Heavy Equipment^{*}

Tioga: Woodworking[^], Building Trades[^], College Architecture[^]

BT BOCES: Masonry^{*}, Building Trades/Plumbing Careers^{*}, Carpentry^{*}, Electricity^{*}, Heavy Equipment Repair & Operation^{*}, Building Maintenance[%], Residential Electric[%]

GST BOCES: Building Construction^{*}, Diesel Equipment^{*}, Heavy Equipment^{*}, Heavy Equipment Repair^{*}, P-TECH Advanced Technical Education, Construction Equipment Operation[%], Industrial Technology Program[%], HVAC/R[%]

TST BOCES: Heavy Equipment^{*}, Welding^{*}, Heat Pump Installation[%]

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