CAREER & TECHNICAL EDUCATION PROGRAMS

→ Education for the Future… Are you ready?
2 year programs – Students start in their junior year.

**Automotive Technologies:** Utilizing state-of-the-art professional tools and computer systems, students learn automotive repair and maintenance skills. The program is Automotive Service Excellence (ASE) certified from the National Automotive Technicians Education Foundation (NATEF). This means the program meets or exceeds industry-recognized, uniform standards of excellence.

**Aviation:** (CGEC Only) This program is for high school students that have a passion for aviation and are looking at a possible career as a commercial pilot, commercial drone pilot, air traffic controller, FAA administrator, or air-frame and power plant mechanic. Split pathway course offers both flight and non-flight career options. Flight training prepares students for the FAA private pilot certificate while the Commercial Drone Operators course prepares students for FAA Drone Certification.

**Construction Technologies:** Students learn the skills necessary for employment in construction and renovation while being introduced to the growing fields of home energy efficiency and green building. Students also complete the OSHA 10 Hour Safety Certification course and participate in real work experience where they learn framing, roofing, trim carpentry and other finishing skills.

**Cosmetology:** Students who successfully complete this rigorous, 1,000 hour course are eligible to take the NYS licensing exam for Appearance Enhancement/Cosmetologist. Instruction includes men’s, women’s, and ethnic cuts and styles through both classroom theory and clinical experience. Students can put their skills in action during weekly clinics with customers from the general public.

**Criminal Justice:** Through classroom instruction, field trips and meetings with professionals in the field, students learn state-of-the-art techniques to prepare for post-secondary studies or a career in law enforcement and the criminal justice system. Students also have the opportunity to complete Security Guard, 911 Public Safety Telecommunicator, and several FEMA Certifications.

**Culinary Arts:** The Culinary Arts program teaches students the management and culinary skills needed for a career in the hospitality industry, including classroom study, lab work, mentored work experiences, and the opportunity to test their skills in competitions. The curriculum is based on ProStart, supported by the National Restaurant Association Educational Foundation.

**Heating, Ventilation, Air Conditioning (HVAC) & Renewable Energies:** Using classroom instruction and project-based learning, this course teaches students how to design, install and repair HVAC systems. Students also explore emerging technologies (including wind, solar and geothermal) and receive extensive training in home energy efficiency. Students can earn EPA certifications and an OSHA 10 Hour Safety Certificate.

**Heavy Equipment Operation & Maintenance:** Students learn to operate, maintain, diagnose, and repair construction-related equipment such as backhoes, bulldozers, bucket loaders, excavators and skid steers. Students will complete the OSHA 10 Hour Safety certificate and work towards a CDL-B license.

**Information Technology:** Students explore networking, coding, and cybersecurity fields and applications. Students can choose between the Cisco Networking Academy and the Computer Programming pathway for more in-depth study on either installing, configuring, and troubleshooting networks or programming using a variety of coding languages.

**Welding/Metal Fabrication:** (CGEC Only) Based on skill standards from the American Welding Society, students focus on safety, metal fabrication and basic hand tools operation for employment or further education.

**Certified Nurse Assistant (CNA):** Through classroom theory, laboratory and hands-on clinical instruction, students who complete the program are eligible to take the Certified Nurse Aide Certification Exam. Students complete clinical rotations at a local nursing home or facility.

**Emergency Medical Technician and Health Careers:** This program will prepare students for the NYS EMT certification as well as provide opportunities for students to explore different types of careers that are within the health care field. Students will have 200 hours of clinical experience/exposure to hospital based medical careers.

**Theater Institute at Sage (TIS):** The TIS Internship program is an intensive, one semester theater experience that is based on the internship program model used by the former New York State Theater Institute (NYSTI). Students will work on four productions during the semester while earning high school credit and taking college courses.
More education and training mean higher earnings and opportunities. Let Questar III help you build the skills needed for success!

**CAREER STUDIES**

**Supportive, Smaller Learning Environments for Students Who Need an Alternative Learning Pace**

**Automotive Services:** Students are prepared for entry-level jobs in the automotive field. This program provides hands-on training and classroom instruction for diverse learning styles. Students study brake systems, suspension systems, beginning electrical, and engine rebuild.

**Building Trades:** (CGEC Only) Building Trades prepares students for entry-level positions in the construction, facilities maintenance and custodial fields. Students complete group projects that are work-based in nature, involve problem solving, and utilize hands-on skills.

**Career Exploration:** This program is for 10th and 11th grade students who are unsure of their career interests or need additional practice with building job skills. Students practice skills and investigate potential careers in Health Care, Construction and Maintenance, Food Services and Hospitality, Automotive industries, and others.

**Hospitality & Lodging:** (REC Only) This program trains students for entry-level careers within the hospitality and lodging industry including banquet set-up, server, attendant, and front desk. Emphasizing professionalism, teamwork, and providing guest services, students gain hands-on experiences at local hotels throughout the year. Students can earn certification from the American Hotel and Lodging Educational Institutes START program.

**Introduction to Employment:** (CGEC Only) This program helps students build general work skills, learn workplace behavior, and gain experience with job placements. Students perform hands-on, work activities with job coaches at local businesses in areas such as food services and retail.

**Introduction to Food Services:** Students are trained for entry-level positions within the food service industry. Students engage in hands-on lessons and learn preparation and food skills. An opportunity to work in an approved commercial site during school hours is available.

**NEW VISIONS**

**Academically Challenging Programs for High School Seniors Only**

**New Visions Medical:** Located at Samaritan Hospital in Troy, students shadow health care professionals for 40 to 50 mornings throughout the year, observing everything from surgery to physical therapy. Students complete Human Biology and an English course at Russell Sage College, as well as Anatomy and Physiology on the Hudson Valley Community College campus. This course is ideal for students planning to pursue a clinical health profession that requires at least 4 years of college.

**Science, Technology, Engineering & Math (STEM):** STEM students are at the forefront of technology in all fields. They explore careers that: combat world hunger; rescue the environment; save thousands of children from fatal disease; and, help millions of people live more comfortable and productive lives. Students study how to implement state-of-the-art science as they explore the world of technology and engineering on the campus of Rensselaer Polytechnic Institute.

**Scientific Research & World Health:** Gain a worldwide perspective on health using scientific principles to promote community well-being and cure disease. This college level academic experience is offered to accelerated high school seniors interested in future careers in medicine, healthcare, biotechnology, pharmacy, biomedical research, etc. This program involves hands-on laboratory research in the emerging biotechnologies, scientific literacy and global health. Located at the University at Albany’s Health Sciences Campus in Rensselaer, students participate directly in health focused research.

**Visual & Performing Arts:** This unique program provides opportunities to explore a wide array of careers in the visual and performing arts. Based at The Arts Center of the Capital Region in Troy, the program blends an integrated curriculum in college-level English, music, art, theatre and film studies with hands-on experience in a creative academic environment.
PROGRAMS FOR ADULT LEARNERS

CTE and Career Studies Programs for Adults: Adult students who are interested in attending a one or two year high school CTE or Career Studies program can contact the Educational Center to see if this is a right fit for them (contact information on the back of this brochure).

Other Adult Education Courses: The Adult Education and Workforce Development office provides a variety of opportunities for adults including Adult Literacy and English as a New Language courses. For information, go to www.questar.org/education and click on “Adult Education and Workforce Development” or call the contact information listed there.

TASC (GED): This course is for students age 16-21. General Education programs and programs for Students with Disabilities are both available.

www.questar.org @qiicareertech

ACADEMIC PROGRAMS

Questar III offers a wide array of general education offerings, including:

Alternative Learning Program with Career/Technical Education: Individualized, educational programming meeting the needs of diverse learners.

Integrated Academics: Career-focused math, science and ELA instruction provided by content area certified teachers using a co-teaching model.

Special Education: Many supports and services are available to help students with disabilities be successful in CTE and Career Studies programs. For students with extensive support needs, Questar III’s Special Education Department has a number of programs available K-12+ to support individualized project-based learning. For more information about different Special Education programs go to www.questar.org/education/special-education.

Work-Based Learning
Students have the opportunity to engage in internships, job shadowing and service learning projects through collaboration with local employers.

Student Support Services
Students have access to career counseling, advisement and college preparation through Questar III’s Career Development Center and Guidance Services.

Student Activities
CTE students can participate in a variety of extra-curricular activities fostering leadership, volunteerism, interaction with the community and regional, state, and national competitions.
HOW TO ENROLL IN A CAREER & TECHNICAL OR CAREER STUDIES PROGRAM*

• Visit www.questar.org for “How to Enroll” in Career and Technical Education.

• (November–December) Attend an information session at your school. Be sure to see your school counselor for dates.

• (November–January) Talk to your parents and family about a program that interests you.

• (January–February) Attend an evening Open House with your parents to check out the programs at one of the Educational Centers. (optional but recommended)

• (January–March) Meet with your school counselor to make sure you have the right preparation classes and to schedule a tour of the program. (optional but recommended)

• (March) Let your school counselor know that you are interested in the program and complete the “Student Interest” Form.

* NOTE: New Visions application process and timeline is different. See the website or your school counselor for details.

WHAT OUR GRADUATES ARE SAYING…

“The program taught me a lot about health and how to be a successful CNA. It provided me with great exposure and experience in the health field”

“It gave me dozens of credentials and certifications that I would never have had if I hadn’t taken this class”

“It gave me a great head start to my career”

WHAT PARENTS ARE SAYING…

“The CTE program my child took turned her life around. She went from hating school to being on the ‘President’s List’ because she finally found something that she loved and was really good at.”

“My son became a different kid after enrolling in a Questar CTE program. He never wanted to miss a day of CTE because he was afraid he would miss something. It was exciting to see him love school.”

For further information please contact:

Columbia-Greene Educational Center
Caitlin Preisner, School Counselor
(518) 828-4157
caitlin.preisner@questar.org

Rensselaer Educational Center
Lisa Gilbert, School Counselor
(518) 273-2264
lgilbert@questar.org

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The majority of CTE graduates attend college after high school. Questar III has agreements with many colleges including those that graduates most often attend. These agreements allow students to earn college credit and obtain advanced standing in many programs.
CAREER & TECHNICAL EDUCATION (CTE) is the 21st century version of “votec” or “vocational” programs. Students in these classes work towards a Regents Diploma, and some may be eligible for the Technical Endorsement on that Diploma. Each of these programs includes the potential for students to earn college credits through articulation agreements, and many have industry certification opportunities available. Students also benefit from Technology Centers that Work (TCTW), a school improvement initiative which increases academic and technical standards in CTE programs. For further information and more extensive descriptions of these programs, please go to the website at www.questar.org.

Each CTE center now has their own web page, where student work, activities and pictures are featured on a regular basis.”

For REC, visit: https://www.questar.org/locations/rensselaer-educational-center/
For CGEC, visit: https://www.questar.org/locations/columbia-greene-educational-center/

Questar III is a great place to learn and explore a career before entering college, technical school or the workforce.

Courses are taught in real-world environments, from airports to universities.

www.questar.org