Reasons to enroll in a Technical and Career Program:

- Enrolling in quality programs that meet business/industry and New York State Learning Standards.
- Choosing from challenging technical and career programs that match student’s interests.
- Learning through the integration of academic, technical, and employability skills.
- Meeting students from other school districts.
- Qualifying for a technical endorsement on your high school diploma.
- Achieving successful placement in the job market, the military, or a post-secondary institution.
- Learning in a hands-on environment.
- Earning college credit through articulation agreements available through all technical and career programs.
- Learning on state-of-the-art equipment.
- Taking advantage of workplace internships and career development activities.

Technical & Career Programs

AME Academy: Advanced Manufacturing & Engineering Academy
Prerequisite: None
Grades: 11-12
2 Years: Everyday
Unit: 4 credit per year

The academy is a two year program where students learn in-demand manufacturing skills, such as precision machining, computer aided design (CAD) and welding technologies. Students experience hands-on training of modern manufacturing technologies while following approved industry methods/processes and engineering standards. The culmination of this training will result in the students’ ability to design, machine, weld and fabricate industry specific products. During year one students learn CAD software and are introduced to the machine shop & welding shop. In the second year students select an area of concentration in either Precision Machining or Welding Technologies.

Animal Science
Prerequisite: None
Grades: 11-12
2 Years: Everyday
Unit: 4 credit per year

Students interested in pursuing a career in veterinary technology or medicine and related fields receive instruction in animal science, pet care and grooming, small animal training, animal nutrition and feeding, animal health care, and animal physiology. Internships with area veterinary hospitals are built into the curriculum.

Auto Body Repair
Prerequisite: None
Grades: 11 – 12
2 Years: Everyday
Unit: 4 credits per year

Students in the Auto Body Repair Program become skilled in the use of hand, power and special auto body tools and equipment in this course. Practical experience in minor and major collision repairs, which includes
frame and body repair, auto finishing, removal and replacement of parts and sections of panels, is also provided. Welding skills are an important part of the program as well.

**Automotive Technology**
Prerequisite: None  
2 Years: Everyday  
Grades: 11 – 12  
Unit: 4 credits per year

Automotive Technicians are in high demand. In Auto Technology, students learn to maintain and repair cars and light trucks using state-of-the-art electronic testing equipment and tools. The classroom is a facility similar to the service department of a typical auto dealership. Coursework is based on the National Automotive Technician Excellence Foundation (NATEF) standards which follow the Automotive Service Excellence Standards. Students receive instruction in four core areas; brakes, steering, suspension, electronic systems and engine performance.

**Carpentry**
Prerequisite: None  
2 Years: Everyday  
Grades: 11 – 12  
Unit: 4 credits per year

The Carpentry Program is a combination of hands-on skill development and technical training that uses the most up-to-date equipment and resource materials. Students in this program are provided with basic knowledge of the tools, methods and materials used in carpentry. Activities include house framing, siding, roofing, installing doors, windows, stair building, installing drywall and interior and exterior trim. Also included are shop procedures, machine operation, cabinet/furniture making and installation, print reading, basic drawing and cost estimating.

**Cosmetology**
Prerequisite: None  
2 Years: Everyday  
Grades: 11 – 12  
Unit: 4 credits per year

Cosmetology provides students with instruction in the competencies and skills necessary to take the NYS Board practical and written licensing exams. Students learn the skills of caring for hair, nails, and skin as well as the management techniques needed to operate an on-site clinic, which is open to the members of the community. The program, which includes one five-week summer clinic, provides the one thousand hours of instruction currently required for the New York State Licensing exam.

**Conservation**
Prerequisite: None  
2 Years: Everyday  
Grades: 11 – 12  
Unit: 4 credits per year

Students interested in protecting, developing, and maintaining natural resources gain the necessary skills to do so in this program. Entry-level employment training is offered in the flowing areas: heavy equipment operation (bulldozer, backhoe, front-end loader, skid steer, dump truck, and equipment transport), commercial and urban forestry, landscape design, construction, maintenance and surveying. Students are also introduced to career areas in wildlife management, fisheries, biology, soil and environmental analysis. If
appropriate, students have the opportunity to earn their NYS Commercial Driver’s License (CDL Class B). The Conservation Program has received national certification through the National Center for Construction Education and Research (NCCER).

<table>
<thead>
<tr>
<th><strong>Course Title</strong></th>
<th><strong>Prerequisite</strong></th>
<th><strong>Grades</strong></th>
<th><strong>Duration</strong></th>
<th><strong>Unit</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Criminal Justice</strong></td>
<td>None</td>
<td>11 – 12</td>
<td>Everyday</td>
<td>2 Years</td>
</tr>
</tbody>
</table>

Criminal Justice course prepares students for a career in law enforcement and related fields. Students become familiar with New York State Laws pertaining to law enforcement, corrections, criminal procedure, and security functions. They also receive an overview of New York State courts and court systems, as well as courtroom testimony and demeanor. Techniques involving criminal investigations, patrol functions, firearms safety, self-defense, first aid, forensic science and civil disturbances are also covered.

<table>
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<tr>
<th><strong>Culinary Arts</strong></th>
<th><strong>Prerequisite</strong></th>
<th><strong>Grades</strong></th>
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</tr>
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<tbody>
<tr>
<td><strong>Grades: 11 – 12</strong></td>
<td><strong>2 Years: Everyday</strong></td>
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</table>

Skills in menu planning; short order, fast food, specialty food preparation and presentation; quantity buying and equipment operation are gained by students in this course. Practical experience is obtained on a daily basis in the classroom and in a fully equipped commercial-style kitchen. Students prepare and cater several events on and off campus during the year. In the senior year, students demonstrate their skills through the operation of a café and fast food service on campus. This program is a member of New York State Restaurant Association (NYSRA) Educational Foundation ProStart Program.

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<tr>
<th><strong>Diesel Technology</strong></th>
<th><strong>Prerequisite</strong></th>
<th><strong>Grades</strong></th>
<th><strong>Duration</strong></th>
<th><strong>Unit</strong></th>
</tr>
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</table>

The Diesel Technology program enables students to learn to repair, service and operate all types of industrial, agricultural and over-the-road diesel equipment. Skills are developed on equipment manufactured by Cummins, Detroit, John Deere, Mack, Case-International and Ford. Diesel fuel systems theory and repair for all the major manufacturers is also addressed. Training in welding, machining, diagnostics and vehicle maintenance are also covered.

<table>
<thead>
<tr>
<th><strong>Education Professions</strong></th>
<th><strong>Prerequisite</strong></th>
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<th><strong>Duration</strong></th>
<th><strong>Unit</strong></th>
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<td><strong>Grades: 11 – 12</strong></td>
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</table>

The Education Professions will expand student’s knowledge of the many career opportunities in the field of education. Students create age appropriate lesson plans and interact with young children in the center’s community based, on-site preschool. In the senior year students have the opportunity to participate in an off-site, work based learning experience based on their specific fields of interest. Successful seniors may be able to apply for Level I NYS Teacher Assistant Certification.

<table>
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<tr>
<th><strong>Electrical Trades</strong></th>
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2018-2019 Course Offerings: 3
The purpose of the Electrical Trades Program is to prepare students for entry-level employment in the various electrical trades. Throughout the program, students gain daily practical experience working with residential, commercial and industrial wiring. In addition, the students will have the opportunity to experience training to become a Network Cabling Specialist (C-Tech). The Electrical Trades program has received National Certification through the National Center for Construction Education and Research (NCCER).

**Emergency Medical Services Academy**

Prerequisite: None  
Grades: 11 – 12  
2 Years: Everyday  
Unit: 4 credits per year

This program is a one or two year program that focuses on the skills required for certification in the field of emergency health care/ pre Hospital care. In addition, Students will participate in a 10 hour clinical experiences with a NYS certified ambulance service or at a hospital’s Emergency Department or a combination of both. Student will experience a wide variety of situations that will allow them to see and experience the value of pre-hospital care in increasing the survival rate of people involved in trauma and suddenly occurring medical situations. The academy is designed to prepare junior students for Certified First Responder certification. Senior students successfully completing this program are able to take the New York State EMT practical skills exam. Passing the skills exam makes the student eligible to take the New York State written certification examination.

**Farm to Table: Sustainable Agriculture Academy**

Prerequisite: None  
Grades: 11 – 12  
2 Years: Everyday  
Unit: 4 credits per year

Students who have the desire to learn how to grow crops, fruits, vegetables and livestock for ecology, food and fiber in a sustainable manner will engage in an interdisciplinary study with several other programs on campus including Animal Science, Culinary Arts, Carpentry, Conservation, and Diesel Technology. Striving to supply our basic needs while providing enough natural resources for future generations is the focus of all classwork and includes module topics of Agroecology, Animal Production, Apiaries, Aquaponics, Ag Technology, Composting, Crop Production, Farm Business Management, Food Products and Processing, Gardening, Hydroponics, Orchard Care and Viticulture. Come join us in learning about this dynamic and fast growing part of Agriculture while spending time in our greenhouse, aquaponics and hydroponic centers, campus gardens, program barn and chicken coop and so much more.

**Health Professions**

Prerequisite: None  
Grades: 11 – 12  
2 Years: Everyday  
Unit: 4 credits per year

If you are interested in a career in healthcare this is the class for you. Health Dimensions provides the basic knowledge and competencies considered common to all job titles in the health occupations field. Students will explore many areas of employment through discussion, field trips and hands-on experiences before choosing a specialized course of study. The second year provides the training, through clinical experience at area health care facilities, and education requirements needed to sit for the NYS Nurse Assistant Exam.
Graphic Media Production
Prerequisite: None Grades: 11 – 12
2 Years: Everyday Unit: 4 credits per year

This program teaches the Macintosh Operating System national skills standard to provide instruction in design, layout and the reproduction of art work in advertising. Students will receive Software instruction in Adobe Photoshop, Illustrator, InDesign, Dreamweaver and Flash. Both hand and computer illustration skills are developed. At the end of each year, each student will have completed a creative portfolio for use during employment searches and while on the job.

Computer Technology
Prerequisite: None Grades: 11 – 12
2 Years: Everyday Unit: 4 credits per year

This program will help students learn essential skills in computer software, hardware, operating systems, servers, web/game design and current trends in IT security and green technology. As a CompTIA learning Academy students can obtain the CompTIA strata IT Fundamentals credential. This is a vendor and technology neutral certification offered through a partnership with CompTIA. Students will also learn the skills to prepare for higher level CompTIA certification, including A+ and Network+ certifications.

New Vision Medical Careers
Prerequisite: Application Grade: 12
Full Years: Everyday Unit: 4.0 credits

New Vision Medical, currently offered in cooperation with Finger Lakes Regional Health Care System, Inc. in Geneva and Myers Community Hospital in Sodus, provides a “new vision” of applied academics and career education for high school seniors with an interest in medical careers. Students have the opportunity to examine, first hand, a full array of medical careers, from direct care to support services. Each student has a specific hospital assignment and will rotate through the various hospital departments. Successful New Vision completion involves specific academic requirements for which students will receive four units of credit, including 1 unit each of English and Social Studies 12.

New Visions Health Therapy Sciences
Prerequisite: Application Grade: 12
Full Years: Everyday Unit: 4.0 credits

A one-year program that follows the New Vision Model by offering students mentor supported internships at local hospitals, colleges and medical profession offices and introduces students to all aspects of Health Therapy Sciences including anatomy, especially the musculoskeletal system; fitness and flexibility; nutrition and weight management; safety, injuries, and injury prevention; cardiorespiratory endurance; exercise physiology; medical terminology; applied kinesiology (the study of human movement); and resistance and cardiorespiratory training programs/progressions. The New Vision Health Therapy Sciences Program is designed to prepare students for a wide variety of college majors related to health, physical activity, and sport. The program also serves as a stepping stone to further education in high demand medical careers. Students will study and experience academics in an environment that uses an interdisciplinary approach to English Language Arts, Math, Science and Technology. Secondary English, Science, and Physical Education

2018-2019 Course Offerings: 5
credits will be offered through an integrated model with FLTCC academic staff and the program instructor providing the instruction. Post-secondary dual credit agreement with Finger Lakes Community College will give students a head start on their college studies.

**Students apply to New Visions Programs during their junior year. See your counselor for applications, usually available in January.**