

12th Grade Electives

Please choose one elective from each question. Forms need to be returned by Monday, August 17th .

* Required

Email address *

Your email

Elective # 1 *

- Physics
- Advanced Art
- Physical Education
- Psychology
- CTC

Elective # 2 *

- Meteorology
- Entrepreneurship
- CTC



Elective # 3 *

Reading of Good Books

Forensics

Yearbook

CTC

If you plan on attending CTC, please add the shop that you would like to attend.

Your answer

Submit

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<p>AUTOMOTIVE MECHANICS</p> <p>PROGRAM LENGTH 3 years</p> <p>CERTIFICATION PA State Inspection License</p>	<ul style="list-style-type: none"> -Service, repair, and maintain engines -Work on valve trains, suspension, brakes, and exhaust systems -Use current tools/equipment such as scanning tools and computerized front end aligner -Prepare for a career as a Front End Mechanic, Brake Repairer, Transmission Specialist or Automobile Mechanic -Students should have good mechanical problem solving and measurement skills and be willing to work in a sometimes dirty work environment 	<p>BUILDING CONSTRUCTION OCCUPATIONS</p> <p>PROGRAM LENGTH 3 years</p>	<ul style="list-style-type: none"> -Build a residential house from the ground up -Interpret blue prints and specifications -Construct wood products and structures from rough lumber to finish grade -Operate a wide range of hand power tools, air tools, and machines -Prepare for a career as a Carpenter, Construction Carpenter, Construction Manager or Business Owner -Students should have good measurement skills, be able to work at heights up to 50 feet and be willing to work in inclement weather
<p>CULINARY ARTS</p> <p>PROGRAM LENGTH 3 years</p> <p>CERTIFICATION ServSafe Sanitation Certificate</p>	<ul style="list-style-type: none"> -Work side-by-side with professional chefs -Make gourmet foods with artistic presentation -Participate in catering projects and in the operation of a full- service restaurant -Prepare for a career as a Cook, Pastry Cook, Kitchen Helper or Waiter/Waitress -Students must be willing to taste food, learn French cooking terminology, work in the public eye, and should have good measurement skills 	<p>EARLY CHILDHOOD EDUCATION</p> <p>PROGRAM LENGTH 3 years</p> <p>CERTIFICATION CDA</p>	<ul style="list-style-type: none"> -Early Childhood Education program is designed to teach students the aspects of teaching and working with young children. -Students will: explore career pathways and develop the characteristics of successful teachers/ childcare providers. -Apply theoretical concepts to real-life situations -Students will learn how to meet the developmental needs and interests of young children.
<p>HEALTH ASSISTANT</p> <p>PROGRAM LENGTH 3 years</p> <p>CERTIFICATION Nurse Aide</p>	<ul style="list-style-type: none"> -Work side-by-side with health care professionals -Learn medical terminology and anatomy -Practice hands-on care -Gain clinical experience at long-term care facilities -Prepare for a career as a Nurse Assistant or Medical Assistant -Students must have a good health record and be able to accept and carry out precise orders 	<p>HOMELAND SECURITY</p> <p>PROGRAM LENGTH 3 years</p>	<p>Acquire skills from public safety areas of firefighting, law enforcement, and emergency services</p> <p>Receive instruction; participate in practical applications and situational learning experiences</p> <p>Prepare for national, state and local certifications in all three areas of public safety</p> <p>Refine personal career opportunities and choose personal career opportunities in an area of specialization of public safety</p>
<p>WELDING TECHNOLOGY</p> <p>PROGRAM LENGTH 3 years</p>	<ul style="list-style-type: none"> -Use MIG, TIG, stick, and oxyfuel welding -Perform oxyfuel and plasma cutting and air arc gouging -Learn to choose the best welding and cutting process for the job at hand -Prepare for a career as a Construction or Fabrication Welder -Students should have good measurement skills and be willing to work outside and to get dirty 	<p>ENGINEERING TECHNOLOGY</p> <p>PROGRAM LENGTH 3 years</p> <p>CERTIFICATION NIMS Certification Cisco Certified A+ CompTIA</p>	<p>Use mills, CNC mills, and lathes</p> <ul style="list-style-type: none"> -Learn to use precision measurement tools -Read blueprints or design parts and machine them to precise specifications -Students should have good problem solving skills -Introduction to Engineering Design -Computer Integrated Manufacturing -Principles of Engineering -Engineering Design & Development
<p>NETWORK SYSTEMS TECHNOLOGY</p> <p>PROGRAM LENGTH 3 Years</p> <p>CERTIFICATION Cisco Certified A+ CompTIA</p>	<ul style="list-style-type: none"> -Design, build, configure, and troubleshoot networks -Program routers and switches -Explore wireless and security methods -Learn with interactive and hands-on activities through the Cisco Academy -Prepare for a career as a Network Administrator, Technology Coordinator, Computer Support Specialist or Cable Installer -Students should be enthusiastic about computers and technology, be able to communicate well with others, and have above average math, reading, and science abilities and excellent problem solving skills 	<p>HEAVY EQUIPMENT MAINTENANCE</p> <p>PROGRAM LENGTH 3 years</p> <p>CERTIFICATION PA State Inspection License</p>	<ul style="list-style-type: none"> -Service, diagnose, repair, and rebuild trucks, tractors, logging, and construction equipment -Work on both gasoline and diesel powered engines -Use arc welding, oxy/acetylene cutting, and fabrication techniques -Prepare for a career as an Equipment Mechanic, Truck Mechanic, Equipment Manager or Parts Clerk -Students should have good mechanical problem solving and measurement skills and be willing to work outside in inclement weather and in a sometimes dirty environment

PC NOW COLLEGE COURSES

Automotive Mechanics

AMT112 Brake Systems

AMT113 Steering and Suspension

Culinary Arts

FHD118 ServSafe – Sanitation

Heavy Equipment Maintenance

DSM119 Fuel Systems

DSM141 Heavy Duty Brake Systems

Network Systems Technology

CSC124 Information, Technology, and Society (1st Year Students)

CIT112 Introduction to Gaming and Simulation (2nd Year Students)

To view current advanced credit opportunities articulated with postsecondary institutions, go to the Equivalency Search results at www.collegetransfer.net Select PA

Bureau of Career and Technical Education at the from drop down menu.

The **Capstone Work Experience Program** is available for recommended students in all CTC programs of study.

Seneca Highlands CTC is an equal rights and opportunities school.

