

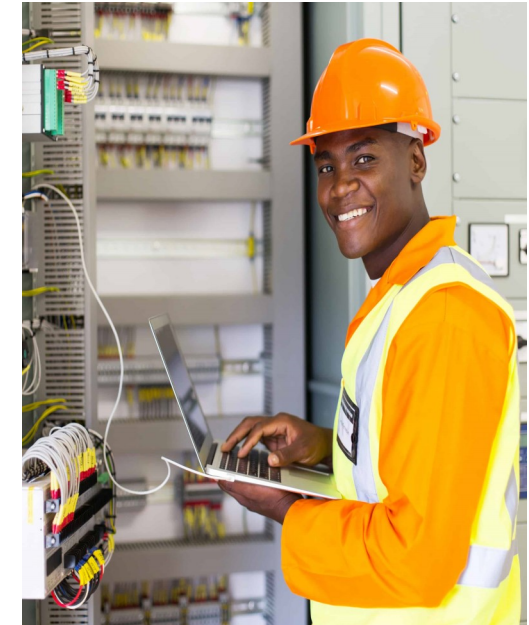


**Possible Career Options:**

- *Field Service Technician*
- *Electrician*
- *Skilled Journeyman*
- *Inside Wiremen*

**Serving Member Schools  
of the Delabar CTE System**

- Abingdon-Avon High School
- Galesburg Christian School
- Galesburg High School
- Knoxville High School
- Monmouth-Roseville High School
- ROWVA High School
- United High School
- West Central High School
- Williamsfield High School



*Electrical Trades*



*Electrical Trades I*

Electronics is designed to foster awareness and understanding in electronic fields. AC and DC circuit concepts are taught through experimentation. Course work includes units on passive and active electrical devices as well as relationships between inductance, capacitance, and reactance. Series and parallel RC and RL circuit analysis will be presented. Students will use meters and oscilloscopes. Computers will be used to draw circuits and aid students in learning.

Students will gain hands on experiences both in the classroom and in the lab.

This course is open to students in grades 10,11 & 12.



*Electrical Trades II*

This class must be taken concurrently with Electrical Trades I. Areas of instruction in Electricity include: electrical theory, circuit design and operation, the national electrical code, blueprint reading, construction blueprint interpretation, and test equipment usage. Students plan and organize wiring tasks and gain practical experience by working mock-ups and trainers. Students troubleshoot circuits for faulty operation and make repairs. Specific studies include AC and DC theory, series and parallel circuits, motor controls and generator theory, lighting and appliance wiring, low voltage wiring and testing repair.

This course is offered as dual credit course with Carl Sandburg College. Students will be required to complete CSC enrollment requirements to enroll.