

## CE DIGITAL ELECTR 2 PLTW

### **Course Description**

This **Project Lead the Way (PLTW)** course is the equivalent to *Electronics 21* course found in the *USBE* course catalog. This course is the second in a sequence of courses that prepares individuals to apply technical knowledge and skills to assemble and operate electrical/electronic equipment used in business, industry, and manufacturing. Instruction includes training and safety, numbering systems, Boolean algebra, logic diagrams, digital devices, and combinational logic circuits.

### **Strands**

1. Students will follow safety practices.
2. Students will understand various number systems used in digital electronics.
3. Students will understand the functions of typical logic gates and their logic states.
4. Students will understand, construct, and test combinational logic circuits.
5. Students will understand, construct, and test sequential logic circuits.

