Program of Study: Technology and Engineering

- Incorporate and align secondary and postsecondary education elements,
- Include academic and CTE content in a coordinated, non-duplicative progression of courses,
- Offer the opportunity, where appropriate, for secondary students to acquire postsecondary credits, and
- Lead to an industry-recognized credential or certificate at the postsecondary level, or an associate or baccalaureate degree.

Year 1 Sample Courses:
- Introduction to Technology
- Foundations of Technology
- Nature of Technology

Sample Unit:
- Characteristics of Technology
- Scope of Technology
- Fields of Technology

Year 2 Sample Courses:
- Technology and Society
- Global Impact of Technology
- Technological Design

Sample Unit:
- Meeting Human Needs and Wants
- Human Impacts
- Trade Offs

Year 3 Sample Courses:
- Energy & Power
- Biotechnology
- Information and Communication
- Manufacturing
- Construction, etc.

Sample Unit:
- Energy Generation
- Energy Distribution
- Quality control/ Troubleshooting
- Defending Solutions

Year 4 Sample Courses:
- Engineering Design Capstone
- Advanced Design

Sample Unit:
- Designing Solutions
- Product Development
- Life Cycle