

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

Sample Unit:
Scope of
Technology

Sample Unit:
Fields of
Technology

Year 2 Sample Courses:

Technology and Society
Global Impact of Technology
Technological Design

Sample Unit:
Meeting Human
Needs and Wants

Sample Unit:
Human Impacts

Sample Unit:
Trade Offs

Year 3 Sample Courses:

Energy & Power
Biotechnology
Information and Communication
Manufacturing
Construction, etc.

Sample Unit:
Energy Generation

Sample Unit:
Energy
Distribution

Sample Unit:
Quality control/
Troubleshooting

Year 4 Sample Courses:

Engineering Design Capstone
Advanced Design

Sample Unit:
Designing Solutions

Sample Unit:
Product Development
Life Cycle

Sample Unit:
Defending
Solutions