



TECHNOLOGY

Tech Prep Certificate Requirements

Tech Prep students must complete the following high school program of study. The actual sequence of courses will depend on the student's individual interests.

- ◆ **4 Units of Technology**
- ◆ **3 or 4 Units of Math**
- ◆ **3 or 4 Units of Science**
- ◆ **A one-day (3-5 hours) Shadowing Experience**
- ◆ **Portfolio** - The portfolio could include some or all of the following:

Student's best work	Lab Manuals	Presentations and/or video
Awards	Projects	Shadowing Experiences

Upon completion of these requirements, qualifying seniors will be awarded a Tech Prep Certificate through the Tech Prep office.

Technology Units (Must Complete 4 Units)

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|---|------------------------------------|
| Architectural Drawing | Digital Electronics |
| Automation and Robotics | Electricity/Electronics |
| *BOCES Computer Repair Technician (2 units) | Engineering Design and Development |
| *BOCES Electricity (2 units) | Introduction to Engineering Design |
| *BOCES Networking Plus (2 units) | IS 100 – Intro. To Computers I |
| *BOCES New Visions Engineering (2 units) | IS 101 – Intro. To Computers II |
| Career & Financial Management | Manufacturing |
| Computer Applications | Materials Processing |
| Computer Assisted Drawing (CAD) | Medical Physics |
| Computer Integrated Manufacturing (CIM) | Principals of Engineering |
| Computer-Assisted Manufacturing | Principals of Technology |
| Construction Systems | Production Systems |
| Design and Drawing for Production | Technical Drawing |
| Design and Rapid Prototyping | Transportation Systems |
| Desktop Publishing | Web Page Development |

**New Visions Courses and BOCES Courses are considered 2 units.*

Note – Courses cannot be used for sequence if used to meet a math or science requirement

Tech Prep Certificate with Honors – students completing four (4) units of math and four (4) units of science as well as the other certificate requirements, qualify to receive a “Certificate with Honors.”