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## TECHNOLOGY/COMMUNICATIONS

### Tech Prep Certificate Requirements

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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 and/or Communications**
- ♦ **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

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

#### Communications Units

\*BOCES Advertising Design I  
\*BOCES Advertising Design II  
\*BOCES New Visions Communications (2 units)  
Communication/Video Arts  
Computer Graphics  
Desktop Publishing  
Media Productions  
Photography  
Studio Design  
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.”**