

VT 4550 – CONSTRUCTION TECHNOLOGY I
VT 4560 – CONSTRUCTION TECHNOLOGY II

Construction Technology is a two-year program that provides a real time job situation for the student interested in acquiring carpentry and other construction skills. The student will be exposed to most phases of construction and actively participate in the construction of a building. Projects differ from year to year, ranging from commercial to residential construction, and may include remodeling or repair work. As part of a three-to-four man crew, valuable leadership and teamwork skills will be learned.

Essential Learning Objectives:

- Students will learn/use Technical Mathematics Skills
- Students will learn/use Technical Communication Arts Skills

Students will perform or demonstrate techniques using various tools or machines for the following:

- Shop and Occupational Safety Skills
- Building Materials and Energy Conservation Strategies
- Math and Measurement Skills
- Basic Blueprint Reading and Drawing Skills
- Use and Maintenance of Hand and Power Tools
- Site Preparation, Concrete Forms, and Forming
- Frame Floors, Sills, Walls, and Ceilings
- Roof Construction Techniques
- Sheathing, Siding, and Exterior Building Materials
- Windows, Exterior and Interior Doors, and Associated Trim
- Insulation and Vapor Barriers
- Interior Walls and Ceilings
- Cabinets and Special Built-ins.

Carpentry Instructional Framework & Standards Alignment:

<https://dese.mo.gov/sites/default/files/Carpentry-Framework.pdf>

<https://dese.mo.gov/sites/default/files/Carpentry-Alignment.pdf>

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