



# Construction Trades

## Program Description

Construction Trades program teaches students how to safely operate hand and power tools for jobs in carpentry, masonry and construction management. Students will take the skills that are learned while creating in-shop modules and apply them to on-site construction of homes. They will learn the basic math skills needed to estimate material and cost lists of projects, and study the essentials of entrepreneurship. Students will also have the opportunity to participate in regional carpentry and masonry competitions. The practices learned in this program will prepare students for long term advancement in the construction industry and will benefit them in their personal life as well. Upon completion, students may choose to secure a job in commercial or residential construction or advance to a postsecondary school to pursue a degree in construction, project management or enter into an apprenticeship program in a trade school.

## Related Professions

- Construction Manager
- Carpenter
- Brick Mason
- Building Inspector
- Drywall Installer
- Roofer

## Lapeer County Education and Technology Center

690 N. Lake Pleasant Rd.  
Attica, MI 48412  
(810)664-1124  
[www.lapeerisd.org](http://www.lapeerisd.org)

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## Articulations:

**Davenport University** (up to 30 credits)

**Delta College:**

- SKCT 102-Building Materials (3 credits)
- RC 201-Rough & Outside Framing (4 credits)
- SKCT 204-Outside Finishing & Hardware (4 credits)

**Ferris State University:**

- BCTM 213-Construction Tech II (3 credits)

**Mott Community College:**

- BCON 180 Construction Fund (4 credits)
- ELEC 131-Residential Wiring (3 credits)

**Oakland Community College:**

- CTT 1000-Intro to Construction (2 credits)
- CTT 1030- Placing Concrete & Foundations (4 credits)
- CTT 1040-Rough Carpentry Const. (4 credits)

## Possible Certifications:

**Heavy equipment Operator's License**

**Builder's License**

## Program Success Indicators

### Academic

- Linear measurement to 1/16"
- Add and subtract fractions
- Add, subtract, multiply, and divide whole numbers
- Determine area of geometric shapes
- Calculate percentages
- Functionally read and write

### Interpersonal

- Able to follow safety rules
- Work safely around power tools
- Able to work independently
- Consistent attendance
- Teamwork skills
- Willingness to work toward skill mastery

### Program specific

- Physically able
- Enjoy hands-on work
- Enjoy physical activity
- Willingness to work in adverse weather conditions
- Willingness to take constructive criticism from mentors

### Instructor:

**Joe Strachota**

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**Paraprofessional: Linda Winstead**