

# CARPENTRY



## Share Time Program for High School Junior and Seniors

The Carpentry program exposes students to the construction process from the ground up, with an emphasis on project based learning experiences. Students learn the technologies and skills needed to construct residential and light commercial buildings common in today's environment. Upon completion, students have the opportunity to earn entrance into the local carpenter's union.

### PROGRAM OVERVIEW

- Tool and Shop Safety
- Building Codes and Permits
- Site Layout
- Footings and Foundations
- Installing and Finishing Sheetrock
- Transit and Concrete Wall Forms
- Column Forms
- Step and Landing Forms
- Structural Framing (floor, wall, roof, common rafters)
- Blue Print Reading
- Project Estimates and Proposals
- Stair Building
- Furniture Making
- Exterior and Interior Finishes and Trim
- Complex Roof Frames (hip, valley, jack rafters)
- Energy Conservation and Efficiency
- OSHA 10 Training and Certification
- Applied Math Concepts
- **HIGH SCHOOL CREDITS EARNED:**
  - Career and Technical Education Program = 20 Credits
- **Students who meet the NOCTI criteria may earn college credits.**

#### Students will be required to:

- Perform basic math operations
- Calculate percents and square roots
- Work with fractions and decimals
- Interpret measurements
- Apply formulas for area and volume
- Interpret scale drawings and blueprints

#### STUDENTS WHO COMPLETED THE CARPENTRY PROGRAM

pursued post-secondary education in architecture, project management, engineering and business administration, apprenticeship, and/or employment with general contractors and local carpenters unions.

**ALL INQUIRIES PERTAINING TO PRE-ADMISSION SHOULD BE SUBMITTED TO**

**Gina DiDomenico, Student Recruitment and Community Relations**

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