



*“The ECTC Team assists students in developing skills to become independent and self-sufficient adults who will succeed and contribute responsibly in a global community with a high-skill, high-wage, and high-demand career.”*

**Construction Academy: Carpentry**

**Career Cluster: Architecture & Construction**

**Career Pathways: Construction**

- Design, install, and maintain wood and steel structural components associated with residential and commercial construction.
- Formulate the necessary skills and safety procedures required to operate construction-related software and machinery.
- Develop a blend of job skills and applied academics to incorporate the use of computerized numerically controlled (CNC) machinery as well as expand one’s design, engineering, architecture, and construction capabilities.

**Career Focus:**

Prepared for advanced certification; entry-level employment in careers involving estimating, construction safety, project management, inspection services, contracting, cabinet design and construction, electrical installation, architecture, and structural engineering as well as prepared for college; and/or further technical training

**Two-Year Course Sequence:**

<b>Year One</b>		
<b>Fall</b>	<b>Carpentry I</b>	<b>Carpentry II</b>
<b>Spring</b>	<b>Cabinetmaking I</b>	<b>Cabinetmaking II</b>
<b>Year Two</b>		
<b>Fall</b>	<b>Construction Site Preparation &amp; Foundations</b>	<b>Construction Framing</b>
<b>Spring</b>	<b>Construction Finishing &amp; Interior Systems</b>	<b>Cabinetmaking III</b>
<b>Year Three</b>		
<b>Fall</b>	<b>Carpentry for Residential Interiors</b>	<b>Carpentry for Residential Exteriors</b>
<b>Spring</b>	<b>Carpentry for Commercial Specialties</b>	<b>Carpentry for Industrial Specialties</b>

**Student Organizations:**

SkillsUSA and National Technical Honor Society (NTHS)

**Credentialing:**

NCCER (National Center for Construction Education and Research) Certification, OSHA Forklift Certification, and NOCTI (National Occupational Competency Testing Institute)

*The ECTC Carpentry Program operates in conjunction with the Construction Academy. Enrollment in the Carpentry Program will enable the student to be exposed to introductory-level concepts in HVAC-R, Welding, and Masonry.*