

CONSTRUCTION TECHNOLOGY - ASSOCIATE IN ARTS

Successful completion of the Associate in Arts in Construction Technology prepares students for entry into the construction trades, which require a technical skill and understanding of construction processes. Students planning on transferring to a four-year school should complete the AA Degree, which includes the 39-unit general education sequence of courses. Specific four-year institutions may require additional courses in the major to fulfill lower division requirements. This degree may not transfer to all universities, and students need to inquire of the universities if they have a bachelor's degree for their upper division course work. A grade of "C" or better is required in all major, certificate and major elective courses.

CAREER OPTIONS:

- Building Inspector
- Cabinet Maker
- Carpenter
- Ceramic Tile Installer
- Concrete Form Setter or Mason
- Construction Worker
- Construction Management
- Contractor
- Drywall Hanger, Taper, and Texturing
- Electrician
- Estimator
- Furniture Making
- Home Improvement Material Retail Sales
- Insulation Installer
- Mill Wrights
- Painter
- Plasterer
- Plumber
- Residential Maintenance
- Roofer

Program Learning Outcomes

- Demonstrate appropriate use of construction tools, methods and materials, follow safety practices and procedures used in the industry.
- Demonstrate understanding of construction terms, concepts, and hands-on applications. Students will problem solve a variety of applications in the construction industry including written and practical demonstrations.
- Read and interpret building codes, blueprints, manuals, specifications, shop drawings, and communicate with diverse groups developing an understanding of cultural norms and communication skills.
- Apply effective use of emerging technologies in the construction trades including green application and energy efficiency.
- Apply the skills learned from construction technologies courses to work on projects that involve building homes for low-income families (e.g. Habitat for Humanity and Emergency Housing).

- Be well-rounded, compassionate, responsible, ethical professionals with a willingness to serve the local community's needs.
- Demonstrate environmentally sustainable and sensitive aesthetics.

Major Requirements

Course	Title	Credits
CNSTR 101A	Tools, Materials, and Safety	2
CNSTR 101B	Residential Construction Framing	3
CNSTR 102A	Residential Plumbing Systems	3
CNSTR 102B	Residential/Commercial Wiring	3
CNSTR 115	Blueprint Reading	3
CNSTR 117	OSHA Construction Safety Standards	1
CNSTR 125	Energy Efficiency Construction	3
Total Units		18

A.A. Degree Requirements

Course	Title	Credits
Major Requirements:		18
Area A: English Language Communication and Critical Thinking:		9
Area B: Scientific Inquiry and Quantitative Reasoning:		9
Area C: Arts and Humanities:		9
Area D: Social Sciences:		9
Area E: Lifelong Learning and Self-Development:		3
Physical Activity:		1
Total Units		61