

CONSTRUCTION

This program of study emphasizes the skills needed in the commercial and residential construction industry.

- **Technical Certificate Option** - The Technical Certificate in Construction Technology is a two semester program that contains technical and advanced technical courses.
- **Associate of Applied Science Degree Option** - The Associate of Applied Science degree, in Construction Technology, is a four semester program that contains technical, advanced technical and **general education courses**.

Admission Criteria: Placement test and pre-admission advising.

Technical Education Courses

Fall Semester			Spring Semester		
Course Title		Credits	Course Title		Credits
ENV 102	Safety Orientation (OSHA 10)	1	CON 115	Intermediate Carpentry	3
CON101	Introductory Craft Skills	3	CON 125	Floors, Walls, & Ceiling and Framing	4
CON105	Construction Math	1	CON 132	Roof & Framing	3
CON111	Carpentry Basics	4	CON 137	Windows, Doors and Stairs	3
CON152	Construction Skills	5	CON 165	Insulation, Roofing, Exterior Finish	3
CON157	Concrete Applications	4	CON 175	Steel Framing and Drywall	2
Semester Total		18	Semester Total		18
					Total Technical Certificate Credits
					36

General Education Courses	Credits
COM 102 Interpersonal Communications or COM 105 Public Speaking.....	3
CSA 105 Introduction to Computer Applications and Concepts.....	3
ENG 100 Technical Writing or ENG 101 English Composition I.....	3
HUM 101 Ethics in the Workplace or PSY 101 General Psychology.....	3
MAT 101 Technical Math or MAT 150 College Algebra.....	3
TOTAL GENERAL EDUCATION CREDITS	15
TOTAL RELATED ELECTIVE CREDITS	9
TOTAL AAS PROGRAM CREDITS	60

ASSOCIATE OF APPLIED SCIENCE PROGRAM OUTCOMES

- Develop a basic understanding and demonstrate the ability to perform the entry level skills in structural framing.
 - Develop a basic understanding and demonstrate the ability to perform the entry level skills in concrete forming and finishing.
 - Develop a basic understanding and demonstrate the ability to perform the entry level skills in interior and exterior finishing.
 - Develop human relation skills and a professional behavior for the workplace, including appropriate attire for business, attendance, and professionalism.
 - Develop an understanding of the importance of work related skills such as: working independently, teamwork, being shop foreman for a week, following instructions, time management, problem solving and critical thinking.
 - Become proficient in construction math, blueprint reading, and tape measure calculations.
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GENERAL EDUCATION PROGRAM OUTCOMES

- Compose coherent written communication.
 - Deliver coherent oral communication.
 - Show proficiency in locating, analyzing, documenting, and ethically using information sources.
 - Perform and interpret calculations.
 - Develop logical problem solving skills and/or critical thinking skills.
 - Identify appropriate strategies for gathering, analyzing, and displaying data to draw conclusions from scientific data.
 - Collaborate effectively, which cultivates a respect for human diversity.
 - Demonstrate technology literacy appropriate to area of study.
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