

Construction Technology Certificate (CONC)

Prepares graduates to be employed in the building construction field. Graduates can obtain such positions as contractor, subcontractor, building inspector, project coordinator, or estimator. The courses in this program are specialized and may be applied toward the Construction Technology Associate in Applied Science degree.

Upon successful completion of this program, graduates will be able to:

- locate specific details from a drawing set, including plan, elevation, section, site, and detail drawings.
- produce architectural drawings that display all necessary views, notes, material lists, and schedules.
- explain the difference between various common manufacturing materials and possess knowledge of the processes available to transform these materials into finished products.
- demonstrate the proper use of standard hand and power tools.
- identify the major components required for building construction as they pertain to foundations, framing, electrical, and interior/exterior finishing.
- demonstrate proper procedures for laying out and installing electrical systems and equipment for national electrical code specifications.
- organize and write technical reports based on data and specifications necessary for typical construction projects.
- demonstrate the procedures necessary for preparation and installation of concrete and masonry products used on construction projects.
- demonstrate the use of a computer-aided drafting workstation in creating architectural drawings.
- demonstrate the proper care and technique required for finishing a construction project.
- interpret OSHA regulations and apply them to all construction areas, equipment, and employees.
- develop a style of workmanship and collaboration necessary for a team environment.

First Semester		Credits
HAC 119	Construction Blueprint Reading	3
MET 104	Manufacturing	3
MAT 130	Industrial Mathematics	3
CON 102	Frame Construction Techniques	4
Elective*	Program Elective	3-4
		16-17
Second Semester		
MET 111	Computer-Aided Drafting	4
CON 201	Surveying	3
HAC 160	Residential Wiring	3
CON 105	Architectural Computer Applications	2
CON 204	Construction Codes and Specifications	3
		15
Credit Total		31

*Program elective may be any additional CON course not listed above.