

Construction Management A.A.S. (COM)

Prepares graduates to be employed in the building construction field. Upon completion of this program, graduates can obtain such positions as contractor, subcontractor, building inspector, project coordinator, construction supervisor, construction manager, and estimator.

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

- locate specific details from a drawing set, including plan, elevation, section, and detail drawings.
- produce architectural drawings that display all necessary views, notes, and material lists.
- 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, and interior/exterior finishing.
- demonstrate the proper setup and usage of typical surveying instruments used to prepare a site for future construction.
- utilize the necessary mathematics to formulate components, such as points, angles, areas, and elevations, to be used for survey drawings.
- 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.
- explain the importance of developing an accurate construction estimate before beginning construction projects.
- 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.
- demonstrate a background in the liberal arts and social science areas so that their education is not too narrowly technical and lacking in aesthetics and consideration of social issues.
- communicate with others in a professional manner by means of verbal, written, and electronic media.
- develop a style of workmanship and collaboration necessary for a team environment.
- understand local and national building codes and apply that knowledge to all construction projects.
- demonstrate the procedures for a typical construction project, taking it from initial concept to finished project.

First Semester		Credits
HAC 119	Construction Print Reading	3
MET 104	Manufacturing	3
MAT 160	College Algebra	3
ENG 105	Research and Composition	3
Elective	Social Science/Humanities	3
		15

Second Semester		Credits
CON 102	Frame Construction Techniques	4
CON 104	Concrete/Masonry Principles	3
ENG 106 or ENG 107	Introduction to Literature Writing in the Workplace	3
MET 111	Computer-Aided Drafting	4
Elective	Social Science/Humanities	3
		17

Third Semester		Credits
CON 201	Surveying	3
HAC 160	Residential Wiring	3
PHY 201	Introduction to Physics I	4
CON 105	Architectural Computer Applications	2
CON 204	Construction Codes and Specifications	3
		15

Fourth Semester		Credits
CON 103	Interior/Exterior Finishing	4
CON 202	Construction Estimating	3
CON 210	Construction Practicum	4
CON 220	Construction Management	3
ENG 111	Speech	3
		17

Credit Total **64**

Prior Learning Assessment: Previous job training, certificates and work experience that may qualify for college credit (*see academic advisor*).

Gateway Courses: Based on placement testing in reading, writing and math, these prerequisite courses may have to be taken before placement in College English or Mathematics beginning the first semester and concurrently.

RSS 099	Basic Skills Reading	3
RSS 100	Critical Reading	3
ENG 099	Basic Skills Writing	3
ENG 100	Fundamentals of Writing	3
MAT 090	Mathematical Literacy	6
ESL 251	English for Academic Purpose	6
		(Required for ESL students only.)

Please note, taking gateway courses will increase your time for completion.

- demonstrate organizational skills as they relate to people, materials, and equipment necessary for construction projects.
- prepare bid sheets and contract documents for typical construction projects.
- demonstrate professional mannerism and ethics to employees, vendors, and customers.