Building Construction Technology

(AAS.BCT) Associate in Applied Science Degree

Architecture & Construction

You might also like:

Workforce Ready
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- Civil Engineering Tech – page 38
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- Computer-Aided Drafting – page 49
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Transfer Ready
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The primary objective of the Building Construction Technology program is to prepare the student for career employment in the building construction industry immediately upon graduation. This associate degree program is set up to produce versatile building construction technicians capable of working in a variety of positions such as cost estimators, computer drafters, surveyors and manufacturers' representatives. With additional experience, these technicians could fill the positions of engineer's representative, construction supervisor, building inspector or self employed building contractors. Employers interested in such technicians are consulting engineers, building contractors, manufacturers and testing laboratories.

Students are required to furnish their own basic drafting equipment. The cost of the equipment is approximately $40.

Consult an advisor for transfer options.

Program requirements may change over time. Specific degree/graduation requirements are determined by the students' degree audit.

FIRST YEAR

First Semester		Hours
☐ TEC 050	Technical Mathematics I (Module 1)	2
☐ TEC 052	Technical Mathematics II (Module 2) *	2
☐ BCT 045	Plans and Specifications (Module 2)	3
☐ TEC 045	Introduction to Drafting I (Module 1)	2
☐ CAD 056	CAD I	2
☐ BCT 050	Construction Materials (Module 1)	3
☐ ENG 050	Writing for Industry	3
	SEMESTER TOTALS	**17**

Second Semester		
☐ TEC 054	Technical Mathematics III (Module 3) *	2
☐ TEC 056	Technical Mathematics IV (Module 4) *	2
☐ BCT 062	Architectural Drafting II *	4
☐ CAD 057	CAD II *	3
☐ CET 060	Survey I	3
☐ BCT 089	Construction Estimating *	3
	SEMESTER TOTALS	**17**

* There are prerequisites, course requisites or minimum placement test scores for this course

SECOND YEAR

First Semester		Hours
☐ TEC 060	Analytical Mechanics *	4
☐ BCT 064	Construction Surveying Layout (Module 1) *	3
☐ SPE 111	Introduction to Speech Communication	3
☐ HED 178	Responding to Emergencies	2
☐	Suggested Elective	4
	SEMESTER TOTALS	**16**

Second Semester		
☐ TEC 080	Strength of Materials *	4
☐ BCT 076	Architectural Drafting III *	4
☐ ECO 130	American Economy *or*	
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☐ CET 056	PC Concrete Theory (Module 3) *	2
☐ BCT 070	Construction Management *	3
	SEMESTER TOTALS	**16**

SUGGESTED ELECTIVES

☐ TEC 071	OSHA General Safety	0.5
☐ CIS 160	Practical Software Applications	3
☐ CAD 058	CAD Drafting Systems	2
☐ COC 054	Basic Carpentry I	4
☐ EET 069	Residential Wiring I	3
☐ CET 054	Soils and Aggregates	4
☐ CET 057	Asphalt Theory and Design	2
☐ CET 064	Surveying III	3
	TOTAL PROGRAM HOURS	**66**

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