

BUILDING CONSTRUCTION TECHNOLOGY DEGREE (A35140)

The Building Construction Technology curriculum is designed to prepare students to apply technical knowledge and skills to residential and commercial building construction and remodeling. Course work includes instruction in construction equipment and safety; site preparation and layout; construction estimating; print reading; building codes; framing; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing. Graduates should qualify for entry-level jobs in architectural, engineering, construction and trades professions as well as positions in industry and government.

COURSE & HOUR REQUIREMENTS

Course Number & Name	Class Hours	Lab Hours	Credit Hours
FALL SEMESTER			
ACA 111 College Student Success OR ACA 122 Transfer & Career Success	0/1	0/2	1
BPR 130 Print Reading - Construction	3	0	3
CST 111 Construction I	3	3	4
CST 131 OSHA/Safety/Certification	2	2	3
**Math Elective	2/3	2	3/4
Total	10/12	7/9	14/15
SPRING SEMESTER			
ARC 112 Construction Materials & Methods	3	2	4
CST 112 Construction II	3	3	4
CST 150 Building Science	2	2	3
*ENG 111 Writing and Inquiry	3	0	3
Total	11	7	14
SUMMER SEMESTER			
CST 113 Construction III	3	3	4
PLU 111 Intro to Basic Plumbing	1	3	2
Total	4	6	6
FALL SEMESTER			
ARC 131 Building Codes	2	2	3
AHR 211 Residential System Design	2	2	3
CST 241 Planning/Estimating I	2	2	3
ELC 111 Intro to Electricity	2	2	3
**Social/Behavioral Science Elective	3	0	3
Total	11	8	15
SPRING SEMESTER			
SST 140 Green Building & Design Concepts	3	0	3
CST 221 Statics/Structures	3	3	4
**English/Communication Elective	3	0	3
SST 120 Energy Use Analysis	2	2	3
**Humanities/Fine Arts Elective	3	0	3
Total	14	5	16
TOTAL SEMESTER CREDIT HOURS FOR DEGREE			65/66

*General education requirements needed for graduation.

BUILDING CONSTRUCTION TECHNOLOGY DEGREE REQUIREMENTS

Course Number & Name	Class Hours	Lab Hours	Credit Hours
**MATH ELECTIVE <i>Select one course from the following:</i>			
MAT 110 Mathematical Measurement & Lit.	2	2	3
MAT 121 Algebra/Trigonometry I	2	2	3
MAT 143 Quantitative Literacy	2	2	3
MAT 152 Statistical Methods I	3	2	4
MAT 171 Precalculus Algebra	3	2	4
**ENGLISH/COMMUNICATION ELECTIVE <i>Select one course from the following:</i>			
COM 110 Introduction to Communication	3	0	3
COM 120 Intro to Interpersonal Communication	3	0	3
COM 231 Public Speaking	3	0	3
ENG 112 Writing/Research in the Disciplines	3	0	3

Course Number & Name	Class Hours	Lab Hours	Credit Hours
ENG 114 Professional Research & Reporting	3	0	3
**SOCIAL/BEHAVIORAL SCIENCE ELECTIVE Select <i>one</i> course from the following:			
ECO 251 Principles of Microeconomics	3	0	3
ECO 252 Principles of Macroeconomics	3	0	3
HIS 111 World Civilizations I	3	0	3
HIS 112 World Civilizations II	3	0	3
HIS 121 Western Civilization I	3	0	3
HIS 122 Western Civilization II	3	0	3
HIS 131 American History I	3	0	3
HIS 132 American History II	3	0	3
HIS 221 African American History	3	0	3
POL 120 American Government	3	0	3
PSY 150 General Psychology	3	0	3
SOC 210 Introduction to Sociology	3	0	3
SOC 213 Sociology of the Family	3	0	3
SOC 225 Social Diversity	3	0	3
**HUMANITIES/FINE ARTS Select <i>one</i> course from the following:			
ART 111 Art Appreciation	3	0	3
ART 113 Art Methods and Materials	0	6	3
ENG 131 Introduction to Literature	3	0	3
ENG 231 American Literature I	3	0	3
ENG 232 American Literature II	3	0	3
ENG 241 British Literature I	3	0	3
ENG 242 British Literature II	3	0	3
HUM 115 Critical Thinking	3	0	3
MUS 110 Music Appreciation	3	0	3
MUS 111 Fundamentals of Music	3	0	3
MUS 112 Introduction to Jazz	3	0	3
PHI 210 History of Philosophy	3	0	3
PHI 215 Philosophical Issues	3	0	3
PHI 240 Introduction to Ethics	3	0	3
REL 110 World Religions	3	0	3

BUILDING CONSTRUCTION TECHNOLOGY CERTIFICATE (C35140)

COURSE & HOUR REQUIREMENTS

Class Title	Class Hours	Lab Hours	Credit Hours
ARC 112 Construction Materials & Methods	3	2	4
BPR 130 Print Reading - Construction	3	0	3
CST 111 Construction I	3	3	4
ELC 111 Intro to Electricity	2	2	3
TOTAL SEMESTER CREDIT HOURS FOR CERTIFICATE	11	7	14