

BUILDING CONSTRUCTION MANAGEMENT, Associate in Applied Science Degree - 4510

Engineering, Trades & Computer Technologies Department

CIP Code: 15.1001

The Building Construction Management AAS program prepares students for entry-level positions in the construction/contracting field as quantity take-off technicians and estimators, schedulers, supervisors, construction inspectors, project engineers, shop drawing reviewers, construction administrators as well as others. This curriculum is also supported by general education courses in the communications, humanities, sciences and mathematics areas. All graduates acquire general knowledge of the overall construction process. This program may be completed entirely through asynchronous instruction.

Career Opportunities

Graduates of the program are prepared for positions in the construction/contracting field as project managers or supervisors, construction schedulers, construction inspectors, construction estimators and contractors, project engineers, and quantity take-off technicians. Graduates may pursue a bachelor's degree in Technical Leadership through HACC's articulation agreement with Bloomsburg University. Students may also transfer to Construction Management bachelor's degree programs at four-year schools.

Competency Profile

This curriculum is designed to prepare students to:

- Interpret the various contracts documents and governing regulations used in construction projects
- Recognize construction methods, materials and equipment
- Apply project management principles to construction projects
- Identify key elements of sustainable and environmental building systems and construction

PROGRAM REQUIREMENTS (TOTAL CREDITS = 61)

General Education		Major Requirements		Other Required Courses	
ENGL 101 English Composition I	3	ARCH 110 Construction Print Reading	3	CIS 105 Intro to Software for Business	3
COMM 101 Effective Speaking (or)	3	ARCH 130 Construction Materials & Methods	3	MGMT 227 Project Management	3
COMM 203 Interpersonal Communication	(3)	ARCH 135 Codes, Specifications & Safety	3	PHSC 113 Intro to Physical Science	3
Humanities & Arts Core Elective - <i>HUM 115, 117 or 118</i>	3	ARCH 214 Site Planning	3		9
Mathematics or Science Core Elective - <i>MATH 103</i>	3	ARCH 251 Environmental Control Systems for Bldgs.	3		
Social & Behavioral Science Core Elective - <i>ECON 201</i>	3	ARCH 253 Sustainable Architecture	3		
First-Year Seminar Elective - <i>ARCH 111</i>	3	BCT 211 Structural Concepts for Construction	3		
Wellness Elective	1	BCT 212 Construction Contracts & Related Law	3		
	19	BCT 215 Construction Estimating	3		
		BCT 216 Construction Planning & Scheduling	3		
		BCT 217 Construction Project Administration	3		
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RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

Part time students can complete this program by taking one or more courses each semester.

Fall Semester I		Spring Semester I		Fall Semester II		Spring Semester II	
ARCH 110	3	ARCH 130	3	ARCH 135	3	BCT 215	3
ARCH 111	3	ARCH 251	3	ARCH 214	3	BCT 216	3
CIS 105	3	BCT 217	3	ARCH 253	3	ECON 201	3
ENGL 101	3	COMM 101 or 203	3	BCT 211	3	HUM 115, 117 or 118	3
MGMT 227	3	MATH 103	3	BCT 212	3	PHSC 113	3
						Wellness Elective	1