



Construction Management Associate of Applied Science (A.A.S.) 2018–2019

DESCRIPTION:

The Construction Management A.A.S. degree program prepares graduates for entry-level employment with all types of construction companies. Students learn estimating, surveying, materials, project planning, scheduling, project management, OSHA construction regulations and more. In addition to technical and management courses, students have the opportunity to work directly with employers every semester through an internship program. Students in the program share a course core curriculum with other programs in the Design, Construction, and Trades Department. This core provides students with a strong foundation of technical skills as well as a sense of the teamwork needed in the construction field. Students also complete courses in communication skills, technical math, and technical literacy. The program has been continuously accredited by the American Council for Construction Education (ACCE) since 2000, one of only eleven such programs in North America. In addition, this program has the only community college student Construction Specifications Institute (CSI) Chapter in the country. For more information, see cscce.edu/cmgt.

ADMISSION REQUIREMENTS:

This is a non-selective, open-admission program. Students may begin the program in any semester.

ONGOING REQUIREMENTS:

Students should have a genuine interest and passion for the design, build, operation, and management industry. Students shall maintain college minimum GPA requirements.

OPPORTUNITIES FOR GRADUATES:

Career:

The Construction Management program prepares graduates for careers in the design, building, operations, and management segments of the construction industry. Inside positions include work assignments in marketing, sales, estimating, and purchasing; field assignments include those in scheduling, cost control, quality assurance, assisting field superintendents, and monitoring safety

programs. The local job market for graduates had a current shortfall of thousands of positions, which will continue for the next two decades, as the regional construction industry steadily expands. Graduates find work in the public or private sector, in both new construction and remodeling, and in architectural and engineering-oriented positions that are available from a variety of firms as well as networking through the CSCC Student (CSI) chapter, Central Ohio Builders' Exchange, Ohio Contractors' Association, Associated General Contractors of America, National Association of Home Builders and Building Institute of America. Graduates also have the opportunity to earn: OSHA 30-Hour Construction Safety & Health, American Concrete Institute Grade I Technician and CSI Construction Document Technologist (CDT) credentials.

Transfer:

The Construction Management program at Columbus State has been continually accredited by the American Council for Construction Education has articulation agreements with many four-year institutions. This includes many 2+2 transfer options as well as the following 3+1 options: 3 + 1 program--A.A.S. in Construction Management to a B.S. in Applied Management and other related programs, Franklin University; 3 + 1 program A.A.S. in Construction Management to a B.S. in Construction Management, Northern Kentucky University; and 3 + 1 program A.A.S. in Construction Management to a B.S. in Applied Technologies, Ohio University. In addition, 2 + 2 programs include: Capital University, Ohio Dominican University, Otterbein University, Bowling Green State University, University of Cincinnati, Northern Kentucky University, and Eastern Michigan University, among others.

DEGREE REQUIREMENTS (CONSTRUCTION MANAGEMENT A.A.S.):

FIRST SEMESTER

Course	Term	Credits	Milestones/Progress Check
CMGT 1105 Construction Documents*	AU/SP/SU	3	• CIVL 1120 includes opportunity to earn the ACI Grade I Concrete Technician credential.
CMGT 1115 Construction Methods	AU/SP/SU	3	
CMGT 1121 Construction Drawings	AU/SP/SU	3	
CIVL 1120 Construction Material Science	AU/SP/SU	3	
COLS 1100 First-Year Experience Seminar	AU/SP/SU	1	
ENGL 1100 Composition I	AU/SP/SU	3	
Semester Credits		16	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
CMGT 1131 Quantity Survey (prerequisite for CMGT 1141 and CMGT 2241)	AU/SP/SU	3	
CMGT 1135 Safety & Loss Prevention	AU/SP/SU	2	
MATH 1101 or MATH 1110 Math for Construction Sciences or Math Skilled trades	AU/SP/SU	3	
HUM Elective (select from list)	AU/SP/SU	3	
Natural Science Elective (select from list; ESSH 1101 preferred)	AU/SP/SU	3	
PSY 1100 Introduction to Psychology or SOC 1101 Introduction to Sociology	AU/SP/SU	3	
Semester Credits		17	

THIRD SEMESTER

Course	Term	Credits	Milestones/Progress Check
CMGT 1141 Estimating	AU/SP/SU	3	• Successful completion of ESSH 1650 will result in receiving the OSHA 30-Hour Construction Safety & Health credential.
CMGT 2215 Introduction to Building Information Modeling (BIM)	AU/SU	3	
CMGT 2241 Planning & Scheduling (required before taking CMGT 2699)	AU	3	
ESSH 1650 OSHA 30 HR Construction Safety & Health	AU/SP/SU	2	
STAT 1350 or STAT 1400 Elementary Statistics or Statistical Concepts for Business	AU/SP/SU	3	
SURV 1410 Introduction to Surveying	AU (Saturdays)/SU	3	
Semester Credits		17	

FOURTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
CMGT 2221 Management & Professional Development*	AU/SU	3	
CMGT 2231 Commercial Computer Estimating (AU/SP) or CMGT 2281 Residential Computer Estimating (SU)	AU/SP	3	
CMGT 2699 Project Management (CAPSTONE)	SP	3	
Technical Elective (CMGT 2910 Field Experience and CMGT 1153 Residential Construction Management frequently taken electives)	AU/SP/SU	3	
STAT 1350 or STAT 1400 Elementary Statistics or Statistical Concepts for Business	AU/SP/SU	3	
Total		59	

*Students have the opportunity to earn the Construction Specifications Institute Construction Documents Technologist exam

AU: Autumn Semester/SP: Spring Semester/SU: Summer Semester
Requirements subject to change.