

MANAGEMENT OF CONSTRUCTION TRACK ASSOCIATE OF APPLIED SCIENCE: 303

Total Credits: 60

Catalog Edition: 2018-2019

Program Description

There are two tracks leading to the AAS in architectural and construction technology: architectural technology and management of construction. In addition, two certificates are offered: CAD for the building professional and management of construction. Both of the AAS tracks are designed to prepare graduates for entry into paraprofessional positions in the construction-industry and architecture upon completion of the curriculum. (See [Architectural Technology](#))

This AAS track is designed to prepare graduates to organize, operate, manage, and control the unique and demanding systems, procedures, and services in the construction industry, both on the job site and in the contractor's office. Areas of study include cost control, planning, scheduling, controlling and expediting construction, contract bidding and estimating, personnel management, and the overall management of construction operations. This curriculum prepares students for construction management careers in any type or size of construction firm.

The curriculum is not designed as a transfer program except to institutions having a construction curriculum. A student seeking a four-year bachelor's degree must meet with the program coordinator in the management of construction program or the applied technologies department chair to work out a suitable program of study.

Program Outcomes

Upon completion of this program a student will be able to:

- Demonstrate a thorough understanding of the principles and methods used in the installation of materials and building components including structural, nonstructural, mechanical, and electrical systems.
- Demonstrate technical mastery of the methods and procedures of reading architectural, structural, and mechanical drawings.
- Assist a field manager or project manager with basic project administration procedures both in the field and at the office.
- Demonstrate technical mastery in the computer software and surveying equipment used for project administration, estimating, scheduling, and surveying.
- Develop a working knowledge of construction estimating and scheduling procedures and the legal implications applicable to a construction project.

Program Advisors

Rockville

- **Prof. Mario Parcan**
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For more information please visit:

<http://www.montgomerycollege.edu/constructionmanagement>

2018-2019

Program Advising Guide

An Academic Reference Tool for Students

**MANAGEMENT OF CONSTRUCTION TRACK
ASSOCIATE OF APPLIED SCIENCE: 303**

Suggested Course Sequence

First Semester

- CMGT 100 - Construction Methods and Materials 3 semester hours
- CMGT 110 - Construction Plan Reading 3 semester hours
- CMGT 135 - Construction Field Operations 3 semester hours
- ENGL 101 - Introduction to College Writing 3 semester hours *
- Mathematics foundation 3 semester hours (MATF)

Second Semester

- CMGT 190 - Computer Applications in Construction 3 semester hours
- CMGT 210 - Construction Management 3 semester hours
- COMM 108 - Foundations of Human Communication 3 semester hours (HUMD)
OR
- COMM 112 - Business and Professional Speech Communication 3 semester hours (HUMD)
- English foundation 3 semester hours (ENGF)
- General education elective 3 semester hours (GEEL)

Third Semester

- CMGT 250 - Construction Surveying 3 semester hours
- CMGT 270 - Construction Estimating 3 semester hours
- CMGT 275 - Construction Planning and Scheduling 3 semester hours
- Behavioral and social science distribution 3 semester hours (BSSD)
- Program elective 3 semester hours ‡

Fourth Semester

- CMGT 280 - Mechanical and Electrical Systems 3 semester hours
- CMGT 285 - Practical Construction Law 3 semester hours
- CMGT 290 - Professional Practicum 1 semester hour
- Natural sciences distribution with lab 4 semester hours (NSLD)
- Program elective 3 semester hours ‡

Total Credit Hours: 60

Advising Notes

* ENGL 101 /ENGL 101A , if needed for ENGL 102 /ENGL 103 , or elective.

‡ Choose two courses from the following program electives : ACCT 221 , ARCH 101 , ARCH 103 , ARCH 183 , ARCH 202 , ARCH 203 , ARCH 204 , any BLDG courses, CMGT 274 , CMGT 290 , MATH 165 .

MANAGEMENT OF CONSTRUCTION AAS (R): 303

Total Credits: 60
Catalog Editions 17-18 through 18-19

Name:

Date:

ID #:

GENERAL EDUCATION: FOUNDATION COURSES	Course	Hours	Grade
English Foundation (EN 102/ENGL 102 or EN 109/ENGL 103)		3	
Math Foundation (MATH 110, 115, 117, 120, 130, 150, 165, 170, or 181) CONSULT COUNSELING FACULTY/FACULTY ADVISOR ABOUT CHOICE			
GENERAL EDUCATION: DISTRIBUTION COURSES	Course	Hours	Grade
Arts or Humanities Distribution (ARTD or HUMD)			
Behavioral & Social Sciences Distribution (BSSD)		3	
Natural Sciences Distribution with Lab (NSLD)		4	
General Education Elective (GEEL) ANY 4 CREDIT COURSE ON GENERAL EDUCATION LIST			
PROGRAM REQUIREMENTS	Course	Hours	Grade
ENGL 101 or ENGL 101A (if needed for ENGL102/103 or Elective)*			
	CT 130/ CMGT 100	3	
	CT 131/ CMGT 110	3	
	CT 135/ CMGT 135	3	
	CT 190/ CMGT 190	3	
	CT 212/ CMGT 210	3	
	CT 271/ CMGT 250	3	
	CT 284/ CMGT 270	3	
	CT 286/ CMGT 275	3	
	CT 283/ CMGT 280	3	
	CT 288/ CMGT 285	3	
	CT 299/ CMGT 290	1	
PROGRAM ELECTIVE ‡		3	
PROGRAM ELECTIVE ‡		3	

* ENGL 101 if needed for ENGL102/103 or elective.

Overall GPA of 2.0 is required to graduate

‡ Choose two courses from the following **Program electives: AC 201/ACCT 221, CT 170/ARCH 101, CT 181/ARCH 103, CT 183/ARCH 183, CT 224/ARCH 202, CT 203/ARCH 203, CT 226/ARCH 204, any BLDG course. CT 293/CMGT 274, CT 299/CMGT 290, MA 180/MATH 165.**

Total Credits:

This AAS track is designed to prepare graduates to organize, operate, manage, and control the unique and demanding systems, procedures, and services in the construction industry, both on the job site and in the contractor's office. Areas of study include cost control, planning, scheduling, controlling and expediting construction, contract bidding and estimating, personnel management, and the overall management of construction operations. This curriculum prepares students for construction management careers in any type or size of construction firm.

[Applied Technologies Web Page](#)

Last Modified: July 2018

The curriculum is not designed as a transfer program except to institutions having a construction curriculum. A student seeking a four-year bachelor's degree must meet with the program coordinator in the management of construction program or the applied technologies department chair to work out a suitable program of study.

Advising Worksheet
Contact: [Anthony Solano](#)

See an [advisor](#) to submit an [Application for Graduation](#) the semester BEFORE you intend to graduate.

This UNOFFICIAL document is for planning purposes ONLY and completion does not guarantee graduation.

This degree is a career program and may not readily transfer to four year colleges/universities (except in special cases.) Visit [transfer planning](#) for more information.

Transfer Opportunities

Montgomery College has partnerships with multiple four-year institutions and the tools to help you transfer. To learn more please visit: <http://cms.montgomerycollege.edu/Transfer/> or <http://artsys.usmd.edu/>

The Construction Management program has a specific transfer agreement with University of Maryland Eastern Shore at Shady Grove
For specific information, please visit: <http://cms.montgomerycollege.edu/UMES-USG/>

Get Involved at MC!

Employers and Transfer Institutions are looking for experience outside the classroom.

MC Student Clubs and Organizations

<https://cms.montgomerycollege.edu/edu/plain.aspx?id=2439>

Related Careers

Some require a Bachelor's degree.
Construction Project Manager, Project Superintendent, Construction Estimator, Building Inspector, Safety Manager/Director

Career Services

<http://www.montgomerycollege.edu/career>

Career Coach

A valuable online search tool that will give you the opportunity to explore hundreds of potential careers or job possibilities in Maryland and the Washington D.C. metropolitan area.

Get started today on your road to a new future and

Notes: