

## MANAGEMENT OF CONSTRUCTION CERTIFICATE: 142

Total Credits: 33-35

Catalog Edition: 2022-2023

### Program Description

(R): 142

This certificate curriculum is designed to serve personnel presently employed in construction-related industries who might not want to complete an associate's degree. Students will be able to enroll in specific professional/academic courses that will lead to an upgrading of their professional competence.

The certificate provides students with formal recognition of academic achievement for completing selected courses from the management of construction AAS area of concentration. The student may transfer to the AAS area of concentration.

### 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. Kara Guthro, 240-567-7598,  
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- Prof. Mark Corfman, 240-567-4251,  
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For more information, please visit <https://www.montgomerycollege.edu/constructionmanagement>

To view the Advising Worksheet, please visit <https://www.montgomerycollege.edu/documents/counseling-and-advising/advising-worksheets/current-catalog/142.pdf>

2022-2023

# Program Advising Guide

An Academic Reference Tool for Students

# MANAGEMENT OF CONSTRUCTION CERTIFICATE: 142

## Program Requirements

A suggested course sequence for full-time students follows. All students should review this advising guide and consult an advisor.

### Program Requirements

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*

CMGT 190 - Computer Applications in Construction 3  
*semester hours*

CMGT 210 - Construction Management 3 *semester hours*

CMGT 270 - Construction Estimating 3 *semester hours*

CMGT 275 - Construction Planning and Scheduling 3  
*semester hours*

CMGT 285 - Practical Construction Law 3 *semester hours*

ENGL 101 - Introduction to College Writing 3 *semester hours*

Program Electives 6-8 *semester hours*‡

## Total Credit Hours: 33-35

‡ Program electives: ACCT 221, BLDG electives, COED 260, ARCH 101, ARCH 103, ARCH 183, CMGT 250, CMGT 280, CMGT 290, MATH 165, MGMT 207.

## Transfer Opportunities

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

## Get Involved at MC!

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

MC Student Clubs and Organizations: <https://www.montgomerycollege.edu/life-at-mc/student-life/>

## Related Careers

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

## Career Services

Montgomery College offers a range of services to students and alumni to support the career planning process. To learn more, please visit <https://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 give it a try. For more information, please visit <https://montgomerycollege.emsicc.com>

## Notes: