Program Description

(R): 240

This curriculum is designed to provide individuals with the principles, theory, and practices associated with state-of-the-art fire science and management, including issues related to tactical fire operations, fire safety, firefighting and emergency services leadership and management, and community fire issues. This curriculum is designed to meet the needs of the professional and volunteer fire service personnel and those seeking employment in the fire and emergency services.

Program Outcomes

Upon completion the student will be able to:

- Describe the common types of fire and emergency services facilities, equipment, and apparatus.
- Categorize the components of fire.
- Classify major types of building construction in accordance with a local/model building code.
- Explain the importance of investigating all near-misses, injuries, and fatalities.
- Describe inspection practices and procedures.
- Describe the traits of effective versus ineffective management styles.

Program Advisors

Rockville

Prof. Kathleen Dayton 240-567-7580
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For more information, please visit https://www.montgomerycollege.edu/academics/programs/fire-science-and-emergency-services/fire-and-emergency-services-management-certificate.html

To view the Advising Worksheet, please visit https://www.montgomerycollege.edu/documents/counseling-and-advising/advising-worksheets/current-catalog/240.pdf
Program Requirements
A suggested course sequence for full-time students follows. All students should review this advising guide and consult an advisor.

Program Requirements
FIRE 101 - Principles of Emergency Services 3 semester hours
FIRE 102 - Fire Behavior and Combustion 3 semester hours
FIRE 103 - Building Construction for Fire Protection 3 semester hours
FIRE 104 - Principles of Fire and Emergency Services Safety & Survival 3 semester hours
FIRE 105 - Fire Prevention 3 semester hours
FIRE 201 - Fire Protection Systems 3 semester hours
FIRE 202 - Fire Protection Hydraulics and Water Supply 3 semester hours
FIRE 203 - Principles of Fire and Emergency Service Administration 3 semester hours

Total Credit Hours: 24
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.
Emergency Management Director, Fire-Prevention and Protection
Engineer, Emergency Medical Technician and Paramedic,
Municipal Fire Fighting and Prevention Supervisor, Municipal
Firefighter, Fire Inspector.

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.emsicareercoach.com

Notes: