Program Description

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
Kathy.Dayton@montgomerycollege.edu

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRE 101</td>
<td>Principles of Emergency Services</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 102</td>
<td>Fire Behavior and Combustion</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 103</td>
<td>Building Construction for Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 104</td>
<td>Principles of Fire and Emergency Services Safety &amp; Survival</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 105</td>
<td>Fire Prevention</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 201</td>
<td>Fire Protection Systems</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 202</td>
<td>Fire Protection Hydraulics and Water Supply</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 203</td>
<td>Principles of Fire and Emergency Service Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

**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.

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: