Cybersecurity Management Graduate Certificate

Program Requirements
< Back to Department (https://catalog.uaf.edu/academic-departments/homeland-security-emergency-management/)

Minimum Requirements for Cybersecurity Management Graduate Certificate: 12 credits

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSEM F641</td>
<td>Information Assurance and Risk Assessment</td>
<td>3</td>
</tr>
<tr>
<td>HSEM F648</td>
<td>Perspectives in Addressing Cybersecurity &amp; Critical Infrastructure</td>
<td>3</td>
</tr>
<tr>
<td>HSEM F649</td>
<td>Cyber Threats and Vulnerabilities</td>
<td>3</td>
</tr>
</tbody>
</table>

Complete one of the following:

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HSEM F415</td>
<td>Cybersecurity in the 21st Century: Technology and Ethics</td>
<td>3</td>
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<tr>
<td>HSEM F416</td>
<td>Cybersecurity Management</td>
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<tr>
<td>HSEM F417</td>
<td>Cybersecurity Resiliency</td>
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<tr>
<td>HSEM F418</td>
<td>Cybercrime, Fraud and Law</td>
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</tbody>
</table>

Total Credits 12

Admission Requirements

Complete the following admission requirements:

- Students must have a completed baccalaureate degree.
- Students must possess either prior education specific to IT, networking or cybersecurity-related work experience or a combination of both with the approval and review of the program director to enter the cybersecurity management or associated concentration within the MSDM.
- If the degree is in a non-security or non-cybersecurity-related field and the student has a 3.0 or higher cumulative GPA, students will be required to start with one 400-level course, that is an elective option for the degree.
- Students who have already obtained a graduate degree will not be required to complete an entrance exam or complete a 400-level course first.
- Students with a baccalaureate degree with a cumulative GPA of 3.0 or higher in a related field will not have any additional testing or entry course requirements.
- Students with a cumulative GPA between 3.0 and 2.75, regardless of the field of study, will be required to complete the Watson Glaser Critical Thinking Exam.
- Students with a cumulative GPA below 2.75, will be required to submit results from either the GRE or GMAT.

Roadmaps
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Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

- This roadmap should be used in conjunction with regular academic advising appointments. All students are encouraged to meet with their advisor or mentor each semester.
- Some courses and milestones must be completed in the semester listed to ensure timely graduation.
- Transfer credit may change the roadmap.
- Requirements, course availability and sequencing are subject to change.
- Courses with (*) are recommended.

First Year

<table>
<thead>
<tr>
<th>Fall Credits</th>
<th>Spring Credits</th>
<th>Summer Credits</th>
<th>Total Credits</th>
</tr>
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<tbody>
<tr>
<td>HSEM F648</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>HSEM F415, F416, F417, or F418*</td>
<td>HSEM F648</td>
<td>6</td>
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<tr>
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<td>3 HSEM F641</td>
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</tbody>
</table>

Total Credits 12

Footnote Definitions

- Communication
- Alaska Native-themed Program Requirement
- Arts
- Communication
- Capstone Requirement
- Humanities
- Computation
- Concentration Course
- Social Sciences
- Ethics
- General Elective
- Additional Arts, Humanities or Social Sciences
- Humanities
- Minor Course
- Mathematics
- Human Relations
- Upper Division
- Natural Sciences
- Humanities or Social Sciences
- Library & Information Research
- Mathematics
- Natural Sciences
- Other
- Social Sciences