## CYBER SECURITY CONCENTRATION (MSIS)

### Concentration in Cyber Security (MSIS)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISEC 5305</td>
<td>Seminar in Information Security Foundations</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5111</td>
<td>MSIS Career and Professional Development</td>
<td>1</td>
</tr>
<tr>
<td>MIS 5301</td>
<td>Seminar in Object-Oriented Business Programming</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5335</td>
<td>Information Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5340</td>
<td>Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>MIS 5355</td>
<td>Management of Information Systems</td>
<td>3</td>
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</tbody>
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### Required Additional Programming Course

Select one course from the following

- MIS 5315  NET Systems Development
- MIS 5317  Seminar in Java Development
- MIS 5322  Advanced Python for Analytics

### Required Additional Concentration Course

- ISEC 5320  Cyber Security Technology Factors  3

### Elective Concentration Courses

Select two courses from the following

- ISEC 5330  Cybersecurity Policy and Planning
- ISEC 5340  Cyber Warfare, Threats, Vulnerabilities and Countermeasures

### Business Electives

Select three business courses from outside MIS/ISEC curriculum

- MIS 5V95  Internship in Information Systems (if less than 2 years of full-time work experience)

### Total Hours

36