# 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>
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<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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## Required Additional Programming Course
Select one course from the following  
3
- 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  
6
- ISEC 5330  Cybersecurity Policy and Planning
- ISEC 5340  Cyber Warfare, Threats, Vulnerabilities and Countermeasures

## Business Electives
8
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