## MANAGEMENT INFORMATION SYSTEMS: CYBERSECURITY, MS

### Requirements for Students Matriculating in or before Academic Year 2023-2024

Learn more about Graduate College Academic Regulation 7.0 ([http://catalog.okstate.edu/graduate-college/#70](http://catalog.okstate.edu/graduate-college/#70)).

Total Hours: 33

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MSIS 5193</td>
<td>Programming for Data Science and Analytics I</td>
<td>3</td>
</tr>
<tr>
<td>MSIS 5213</td>
<td>Information Assurance Management</td>
<td>3</td>
</tr>
<tr>
<td>MSIS 5633</td>
<td>Predictive Analytics Technologies</td>
<td>3</td>
</tr>
<tr>
<td>MSIS 5663</td>
<td>Advanced Data Wrangling</td>
<td>3</td>
</tr>
<tr>
<td>MSIS 5693</td>
<td>Digital Transformation Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MSIS 5713</td>
<td>Scripting Essentials</td>
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<tr>
<td>MSIS 5900</td>
<td>Practicum in Management Information Systems</td>
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**Hours Subtotal**: 21

### Electives

Select 9 hours from the following:

Select 3 hours from approved electives (including those listed above):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MSIS 5203</td>
<td>Advanced Infrastructure Development</td>
<td>3</td>
</tr>
<tr>
<td>MSIS 5233</td>
<td>Applied Information Systems Security</td>
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<tr>
<td>MSIS 5253</td>
<td>Advanced System Certification and Accreditation</td>
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<tr>
<td>MSIS 5273</td>
<td>Legal and Ethical Issues in Information Technology</td>
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</tr>
<tr>
<td>MSIS 5223</td>
<td>Programming for Data Science and Analytics II</td>
<td>3</td>
</tr>
<tr>
<td>MSIS 5303</td>
<td>Prescriptive Analytics</td>
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<tr>
<td>MSIS 5313</td>
<td>Supply Chain Analytics</td>
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<td>MSIS 5503</td>
<td>Statistics for Data Science</td>
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<tr>
<td>MSIS 5673</td>
<td>Descriptive Analytics and Visualization</td>
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<tr>
<td>MSIS 5683</td>
<td>Big Data Advanced Analytics Technologies</td>
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Appropriate substitutions can be made on a case-by-case basis.

**Hours Subtotal**: 12

**Total Hours**: 33

### Graduate College Master's Program Requirements

Learn more about Graduate College 2023-2024 Master's Degree Program Requirements ([http://catalog.okstate.edu/graduate-college/](http://catalog.okstate.edu/graduate-college/)). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.