MANAGEMENT INFORMATION SYSTEMS: DATA SCIENCE, MS

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college).

Total Hours: 34 Hours

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>Degree Core</strong></td>
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<td></td>
<td><strong>Required Courses</strong></td>
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<tr>
<td>MSIS 5223</td>
<td>Programming for Data Science and Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MSIS 5503</td>
<td>Statistics for Data Science</td>
<td>3</td>
</tr>
<tr>
<td>MSIS 5600</td>
<td>Special Projects in Business Information Systems (Not required for part-time students)</td>
<td>1</td>
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<tr>
<td>MSIS 5623</td>
<td>Information and Network Technology Management</td>
<td>3</td>
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<tr>
<td>MSIS 5643</td>
<td>Advanced Database Management</td>
<td>3</td>
</tr>
<tr>
<td>MSIS 5663</td>
<td>Data Warehousing</td>
<td>3</td>
</tr>
<tr>
<td>MSIS 5673</td>
<td>Descriptive Analytics and Visualization</td>
<td>3</td>
</tr>
<tr>
<td>MSIS 5900</td>
<td>Practicum in Management Information Systems (Part-time students can replace with alternative 5000-level course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Hours Subtotal: 22

|        | **Electives**                                                        |       |
|        | Select 12 hours from the following:                                  | 12    |
| MSIS 5633 | Predictive Analytics Technologies                                  |       |
| MSIS 5303 | Prescriptive Analytics                                             |       |
| MSIS 5683 | Big Data Advanced Analytics Technologies                           |       |
| MKTG 5963 | Data Mining and Customer Relationship Management Applications      |       |
| MKTG 5983 | Data Base Marketing                                                |       |
| MSIS 5950 | Advanced Practicum                                                 |       |

Hours Subtotal: 12

Total Hours: 34

General Graduate College Requirements

- A minimum Grade-Point-Average of 3.00 is required
- A minimum Grade of "C" is required in all degree applicable courses
- No courses utilizing the Pass-No Pass grading system are permitted
- GRAD 5082 or GRAD 5092 may not be used to meet degree requirements

Additional Graduate College Masters Degree Requirements

Plan I (coursework with thesis)