# 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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Degree Core Required Courses</strong></td>
<td></td>
</tr>
<tr>
<td>MSIS 5223</td>
<td>Programming for Data Science and Analytics II</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>
</tr>
<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>
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**Hours Subtotal:** 22

**Electives**

Select 12 hours from the following:

- 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

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**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)**

- A minimum of 30 credit hours
  - A minimum of 24 coursework credit hours comprised of:
    - 6 research or creative component credit hours
    - 21 in-residence credit hours (maximum of 9 transfer hours with "B" or better)
    - 21 credit hours at 5000- or 6000-level

**Plan II (coursework without thesis)**

- A minimum of 32 credit hours
  - A maximum of 3 credit hours of research or creative component
  - A minimum of 23 in-residence credit hours (maximum of 9 transfer credit hours with "B" or better)
  - A minimum of 21 credit hours at the 5000- or 6000-level