DATA ANALYTICS, BSBA

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum Overall Grade-Point Average: 2.50
Total Hours: 120

### Code  Title  Hours

<table>
<thead>
<tr>
<th>General Education Requirements</th>
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<tbody>
<tr>
<td><strong>English Composition</strong></td>
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<tr>
<td>See Academic Regulation 3.5 (<a href="http://catalog.okstate.edu/university-academic-regulations/#english-composition">http://catalog.okstate.edu/university-academic-regulations/#english-composition</a>)</td>
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<tr>
<td>ENGL 1113 Composition I</td>
<td>3</td>
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<tr>
<td>or ENGL 1313 Critical Analysis and Writing I</td>
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<tr>
<td>ENGL 1213 Composition II</td>
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<tr>
<td>or ENGL 1413 Critical Analysis and Writing II</td>
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<tr>
<td><strong>American History &amp; Government</strong></td>
<td></td>
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<tr>
<td>HIST 1103 Survey of American History</td>
<td>3</td>
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<tr>
<td>or HIST 1483 American History to 1865 (H)</td>
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<tr>
<td>HIST 1493 American History Since 1865 (DH)</td>
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<tr>
<td>POLS 1113 American Government</td>
<td>3</td>
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<tr>
<td><strong>Analytical &amp; Quantitative Thought (A)</strong></td>
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<tr>
<td>3 hours of MATH or STAT designated &quot;A&quot;</td>
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<tr>
<td><strong>Humanities (H)</strong></td>
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<tr>
<td>Courses designated (H)</td>
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<tr>
<td><strong>Natural Sciences (N)</strong></td>
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<tr>
<td>Must include one Laboratory Science (L) course</td>
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<tr>
<td>Courses designated (N) with one (L)</td>
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<tr>
<td><strong>Social &amp; Behavioral Sciences (S)</strong></td>
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<tr>
<td>Course designated (S)</td>
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<tr>
<td><strong>Additional General Education</strong></td>
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<tr>
<td>BADM 2233 Business Analytics Fundamentals (A)</td>
<td>3</td>
<td></td>
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<tr>
<td>or MGMT 3013 Fundamentals of Management (S)</td>
<td>3</td>
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<tr>
<td>MKTG 3213 Marketing (S)</td>
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<td><strong>Hours Subtotal</strong></td>
<td>40</td>
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<tr>
<td><strong>Diversity (D) &amp; International Dimension (I)</strong></td>
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<tr>
<td>May be completed in any part of the degree plan</td>
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<tr>
<td>At least one Diversity (D) course</td>
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<tr>
<td>At least one International Dimension (I) course</td>
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<tr>
<td><strong>College/Departmental Requirements</strong></td>
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<tr>
<td>Business Freshman Seminar</td>
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<tr>
<td>BADM 1111 Business First Year Seminar (or First Year Seminar course approved by college)</td>
<td>1</td>
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<tr>
<td>BADM 2111 Career Planning for Business Success</td>
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<tr>
<td>BADM 3111 Professional Development for Business Success</td>
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<td><strong>Hours Subtotal</strong></td>
<td>3</td>
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<tr>
<td><strong>Major Requirements</strong></td>
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<tr>
<td>A maximum GPA of 2.20 is required in these 64 hours.</td>
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### Common Body

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACCT 2003</td>
<td>Survey of Accounting 1, 3, 4</td>
<td>3</td>
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<tr>
<td>or</td>
<td></td>
<td></td>
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<tr>
<td>ACCT 2103 &amp; ACCT 2203</td>
<td>Financial Accounting and Managerial Accounting 1, 3, 4</td>
<td>3</td>
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<tr>
<td>BADM 3113</td>
<td>Practical Business and Interpersonal Skills</td>
<td>3</td>
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<tr>
<td>ECON 2003</td>
<td>Microeconomic Principles for Business 1, 4</td>
<td>3</td>
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<tr>
<td>EEE 2023</td>
<td>Introduction to Entrepreneurship 4</td>
<td>3</td>
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<tr>
<td>FIN 3113</td>
<td>Finance</td>
<td>3</td>
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<tr>
<td>LSB 3213</td>
<td>Legal and Regulatory Environment of Business</td>
<td>3</td>
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<tr>
<td>MGMT 4513</td>
<td>Strategic Management</td>
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<tr>
<td>MSIS 2103</td>
<td>Business Data Science Technologies</td>
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<tr>
<td>MSIS 3223</td>
<td>Principles of Data Analytics</td>
<td>3</td>
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</table>

### Data Analytics Major Requirements

A GPA of 2.00 is required in these 37 hours of Data Analytics requirements.

19 of these 37 hours must be in residence at OSU.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MSIS 3233</td>
<td>Management Science - Prescriptive Analytics</td>
<td>3</td>
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<tr>
<td>MSIS 3243</td>
<td>Descriptive Analytics</td>
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<tr>
<td>MSIS 3293</td>
<td>Business Analytics Programming</td>
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<tr>
<td>MSIS 3333</td>
<td>Database Systems Development</td>
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<tr>
<td>MSIS 4010</td>
<td>Applied Analytics and Information System Studies</td>
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<tr>
<td>MSIS 4111</td>
<td>Technology Success Skills Application</td>
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<td>MSIS 4263</td>
<td>Business Intelligence and Predictive Analytics</td>
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<tr>
<td>MSIS 4333</td>
<td>Data Wrangling</td>
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<tr>
<td>MSIS 4673</td>
<td>Data Visualization</td>
<td>3</td>
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<td>Select 6 hours from the following: 6</td>
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<tr>
<td>MKTG 3653</td>
<td>Marketing Analytics</td>
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<tr>
<td>MKTG 4333</td>
<td>Marketing Research</td>
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<tr>
<td>ECON 4213</td>
<td>Econometric Methods</td>
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<tr>
<td>ECON 4233</td>
<td>Econometric Applications</td>
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<tr>
<td>MGMT 4543</td>
<td>Management Analytics</td>
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<tr>
<td>Upper-division MSIS</td>
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<tr>
<td>Upper-division MATH</td>
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<tr>
<td>Upper-division STAT</td>
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<tr>
<td>Select 6 hours from the following: 6</td>
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<tr>
<td>Any upper-division ACCT, ECON, FIN, EEE, MKTG, MGMT, MSIS, HTM, MATH, and STAT.</td>
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<tr>
<td>Any CS courses except CS 1111, CS 4113, and CS 4883.</td>
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<tr>
<td><strong>Hours Subtotal</strong></td>
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</table>

### Electives

Select 13 hours

May be selected from any upper- or lower-division area except activity courses in LEIS and PE and lower-division AERO and MLSC. Twelve credit hours earned in advanced AERO and MLSC, exclusive of credit earned for summer camp, may be included in the 120 hours.
Courses also meet College and Departmental Requirements and cannot be waived with an Associate’s degree.

2

MGMT 3013 Fundamentals of Management (S) and MKTG 3213 Marketing (S) are common body requirements, but are counted in general education requirements.

3

If ACCT 2103 and ACCT 2203 are substituted for ACCT 2003, hours in the Elective block are reduced by 3.

4

C or better is required.

Program Declaration Requirements
All new students admitted to the Data Analytics program in the Spears School of Business are enrolled as pre-Data Analytics until completion of the following prerequisites:

1. ACCT 2003 or ACCT 2103 & 2203, ECON 2003, EEE 2023, MSIS 2103 or BADM 2233, and MKTG 3213 or MGMT 3013, each with a grade of C or higher;

2. ENGL 1113, ENGL 1213, and 3 hours MATH/STAT designated;

3. 45 credit hours earned for incoming freshman or 12 credit hours at Oklahoma State University for transfer students;

4. Minimum GPA of 2.7 at Oklahoma State University

Other Requirements
1. A minimum of 50 percent of the business hours required for a degree must be OSU delivered in residence or OSU online courses.

2. Forty-five hours of upper-division courses required.

Additional State/OSU Requirements
- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

Example Plan of Study
Finish in Four Plan of Study
The plan below is an example of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.
Program Declaration Requirements

All new students admitted to the Management Information Systems program in the Spears School of Business are enrolled as pre-Management Information Systems until completion of the following prerequisites:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
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<td>Microeconomic Principles for Business</td>
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<td>EEE 2023</td>
<td>Introduction to Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>3 hours from the following:</td>
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<td>3</td>
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<tr>
<td>MSIS 2103</td>
<td>Business Data Science Technologies</td>
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<tr>
<td>BADM 2233</td>
<td>Business Analytics Fundamentals (A)</td>
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<tr>
<td>3 hours from the following:</td>
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<td>3</td>
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<tr>
<td>MKTG 3213</td>
<td>Marketing (S)</td>
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<tr>
<td>MGMT 3013</td>
<td>Fundamentals of Management (S)</td>
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Additional Requirements

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<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
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<td>ENGL 1213</td>
<td>Composition II</td>
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<td>Designated MATH/STAT</td>
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</table>

Total Hours 24

Other Requirements

- 45 credit hours earned for incoming freshman or 12 credit hours at OSU for transfer students;
- Minimum GPA of 2.7 at Oklahoma State University.