

# MANAGEMENT INFORMATION SYSTEMS: INFORMATION ASSURANCE, BSBA

## Degree Requirements

**Requirements for Students Matriculating in or before Academic Year 2024-2025.** 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     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------|
| <b>General Education Requirements</b>                                                                                                                                                                         |                                                                  |           |
| <i>English Composition</i>                                                                                                                                                                                    |                                                                  |           |
| 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> ) |                                                                  |           |
| ENGL 1113                                                                                                                                                                                                     | Composition I                                                    | 3         |
| or ENGL 1313                                                                                                                                                                                                  | Critical Analysis and Writing I                                  |           |
| ENGL 1213                                                                                                                                                                                                     | Composition II                                                   | 3         |
| or ENGL 1413                                                                                                                                                                                                  | Critical Analysis and Writing II                                 |           |
| <i>American History &amp; Government</i>                                                                                                                                                                      |                                                                  |           |
| HIST 1103                                                                                                                                                                                                     | Survey of American History                                       | 3         |
| or HIST 1483                                                                                                                                                                                                  | American History to 1865 (H)                                     |           |
| or HIST 1493                                                                                                                                                                                                  | American History Since 1865 (DH)                                 |           |
| POLS 1113                                                                                                                                                                                                     | American Government                                              | 3         |
| <i>Analytical &amp; Quantitative Thought (A)</i>                                                                                                                                                              |                                                                  |           |
| 3 hours of MATH or STAT designated "A"                                                                                                                                                                        |                                                                  | 3         |
| <i>Humanities (H)</i>                                                                                                                                                                                         |                                                                  |           |
| Courses designated (H)                                                                                                                                                                                        |                                                                  | 6         |
| <i>Natural Sciences (N)</i>                                                                                                                                                                                   |                                                                  |           |
| Must include one Laboratory Science (L) course                                                                                                                                                                |                                                                  |           |
| Courses designated (N) with one (L)                                                                                                                                                                           |                                                                  | 7         |
| <i>Social &amp; Behavioral Sciences (S)</i>                                                                                                                                                                   |                                                                  |           |
| Course designated (S)                                                                                                                                                                                         |                                                                  | 3         |
| <i>Additional General Education</i>                                                                                                                                                                           |                                                                  |           |
| MSIS 2233                                                                                                                                                                                                     | Business Analytics Fundamentals (A) <sup>1</sup>                 | 3         |
| MGMT 3013                                                                                                                                                                                                     | Fundamentals of Management (S) <sup>1,2</sup>                    | 3         |
| MKTG 3213                                                                                                                                                                                                     | Marketing (S) <sup>1,2</sup>                                     | 3         |
| <b>Hours Subtotal</b>                                                                                                                                                                                         |                                                                  | <b>40</b> |
| <b>Diversity (D) &amp; International Dimension (I)</b>                                                                                                                                                        |                                                                  |           |
| May be completed in any part of the degree plan                                                                                                                                                               |                                                                  |           |
| At least one Diversity (D) course                                                                                                                                                                             |                                                                  |           |
| At least one International Dimension (I) course                                                                                                                                                               |                                                                  |           |
| <b>College/Departmental Requirements</b>                                                                                                                                                                      |                                                                  |           |
| <i>Freshman Seminar</i>                                                                                                                                                                                       |                                                                  |           |
| UNIV 1111                                                                                                                                                                                                     | First Year Seminar (or other approved first year seminar course) | 1         |
| <i>Career Planning for Business Success</i>                                                                                                                                                                   |                                                                  |           |
| BADM 2111                                                                                                                                                                                                     | Career Planning for Business Success <sup>1</sup>                | 1         |
| <i>Professional Development for Business Development</i>                                                                                                                                                      |                                                                  |           |

|                                                                                                  |                                                            |          |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------|
| BADM 3111                                                                                        | Professional Development for Business Success <sup>1</sup> | 1        |
| <b>Hours Subtotal</b>                                                                            |                                                            | <b>3</b> |
| <b>Major Requirements</b>                                                                        |                                                            |          |
| A minimum GPA of 2.20 is required in these 67 hours                                              |                                                            |          |
| <i>Common Body</i> <sup>2</sup>                                                                  |                                                            |          |
| ACCT 2003                                                                                        | Survey of Accounting <sup>1,3</sup>                        | 3        |
| or ACCT 2103 & ACCT 2203                                                                         | Financial Accounting and Managerial Accounting             |          |
| BADM 3113                                                                                        | Practical Business and Interpersonal Skills <sup>1</sup>   | 3        |
| ECON 2003                                                                                        | Microeconomic Principles for Business <sup>1</sup>         | 3        |
| EEE 2023                                                                                         | Introduction to Entrepreneurship                           | 3        |
| FIN 3113                                                                                         | Finance                                                    | 3        |
| LSB 3213                                                                                         | Legal and Regulatory Environment of Business               | 3        |
| MGMT 4513                                                                                        | Strategic Management                                       | 3        |
| MSIS 2103                                                                                        | Business Data Science Technologies                         | 3        |
| MSIS 3223                                                                                        | Principles of Data Analytics                               | 3        |
| <i>Management Information Systems Major Requirements</i>                                         |                                                            |          |
| A GPA of 2.00 is required in these 40 hours of Management Information Systems Major Requirements |                                                            |          |
| 21 of these 40 hours must be in residence at OSU                                                 |                                                            |          |
| MSIS 2203                                                                                        | Computer Programming for Business                          | 3        |
| MSIS 3363                                                                                        | Web Application Development                                | 3        |
| MSIS 4233                                                                                        | Applied Information Systems Security                       | 3        |
| Select one of the following:                                                                     |                                                            | 3        |
| MSIS 3233                                                                                        | Management Science - Prescriptive Analytics                |          |
| MSIS 3243                                                                                        | Descriptive Analytics                                      |          |
| MSIS 3253                                                                                        | Supply Chain Operations and Analytics                      |          |
| MSIS 3293                                                                                        | Business Analytics Programming                             |          |
| MSIS 4263                                                                                        | Business Intelligence and Predictive Analytics             |          |
| MSIS 4443                                                                                        | Advanced Topics in Analytics and Artificial Intelligence   |          |
| MSIS 4623                                                                                        | Data Science Programming                                   |          |
| MSIS 4673                                                                                        | Data Visualization                                         |          |
| MSIS 4943                                                                                        | Sports Management Analytics                                |          |
| MSIS 4133                                                                                        | Information Technologies for Electronic Commerce           | 3        |
| or MSIS 4363                                                                                     | Advanced Application Development                           |          |
| MSIS 3333                                                                                        | Database Systems Development                               | 3        |
| MSIS 4003                                                                                        | Systems Analysis and Design                                | 3        |
| MSIS 4033                                                                                        | Information Systems Project Management and Communication   | 3        |
| MSIS 4111                                                                                        | Technology Success Skills Application                      | 1        |
| MSIS 4123                                                                                        | Cybersecurity Systems Management                           | 3        |
| MSIS 4523                                                                                        | Infrastructure Development                                 | 3        |
| Select 6 hours of the following:                                                                 |                                                            | 6        |
| MSIS 4243                                                                                        | Digital Forensics and Incident Response                    |          |
| MSIS 4253                                                                                        | System Certification and Accreditation                     |          |
| MSIS 4273                                                                                        | Legal and Ethical Issues in Information Systems            |          |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|
| MSIS 4713                                                                                                                                                                                                                                                           | Scripting Essentials |            |
| Select 3 hours of the following:                                                                                                                                                                                                                                    |                      | 3          |
| Any upper-division ACCT, ECON, FIN, EEE, MKTG, MGMT, MSIS, and HTM.                                                                                                                                                                                                 |                      |            |
| Any CS courses except CS 1111, CS 4113 and CS 4883.                                                                                                                                                                                                                 |                      |            |
| <b>Hours Subtotal</b>                                                                                                                                                                                                                                               |                      | <b>67</b>  |
| <b>Electives</b>                                                                                                                                                                                                                                                    |                      |            |
| Select 10 hours <sup>3</sup>                                                                                                                                                                                                                                        |                      | 10         |
| 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. |                      |            |
| <b>Hours Subtotal</b>                                                                                                                                                                                                                                               |                      | <b>10</b>  |
| <b>Total Hours</b>                                                                                                                                                                                                                                                  |                      | <b>120</b> |

1

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.

## 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 and 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 2030.