

Business Analytics & Information Systems

Fall 2018, Spring 2019, & Summer 2019

Tippie.uiowa.edu/advising

General Education (22-32 s.h.)

For students admitted to UI Summer 2017 or later. Prerequisites in parenthesis. s.h.

| | |
|---|------|
| RHET:1030 Rhetoric | 4 |
| World Language: 4th level in one language or 2nd level in two languages | 0-10 |
| Historical Perspectives | 3 |
| Interpretation of Literature | 3 |
| Natural Sciences (lab not required) | 3 |
| Diversity & Inclusion <u>or</u> Values & Culture | 3 |
| International and Global Issues | 3 |
| Social Sciences (excluding ECON:1100 & ECON:1200) | 3 |

Prerequisites Required for admission (15 s.h.)

| | |
|--|---|
| MATH:1380 Calc. & Matrix Algebra for Bus. (MATH:1340 or placement) | 4 |
| STAT:1030 Statistics for Business | 4 |
| ECON:1100 Principles of Microeconomics | 4 |
| ACCT:2100 Introduction to Financial Accounting (30 s.h.) | 3 |

Business Core Part I Required to declare major (9 s.h.)

| | |
|---|---|
| MSCI:1500 Business Computing Essentials | 2 |
| ECON:1200 Principles of Macroeconomics | 4 |
| ACCT:2200 Managerial Accounting (ACCT:2100, ECON:1100, MATH:1380) | 3 |

Business Core Part II (24 s.h.)

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|--|---|
| MSCI:3005 Information Systems (MSCI:1500) | 3 |
| MSCI:2800 Business Analytics (MATH:1380, STAT:1030, MSCI:1500) | 3 |
| MGMT:2000 Intro. to Law (30 s.h.) | 3 |
| FIN:3000 Intro. Financial Mgmt. (ACCT:2100, ECON:1100 & 1200, 60 s.h.) | 3 |
| MGMT:2100 Intro. to Management (30 s.h.) | 3 |
| MKTG:3000 Intro. to Marketing Strategy (60 s.h.) | 3 |
| MSCI:3000 Operations Mgmt. (STAT:1030, 60 s.h.) | 3 |
| BUS:3000 Bus. Comm. & Protocol (RHET:1030, admission to Tippie) | 3 |

Tippie RISE (0-3 s.h.)

Complete at least one of the following; see degree audit for course options

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|--|-----|
| Research with Faculty | 0-3 |
| Internship Course (BUS:3100 or CCP:1201) | 0-3 |
| Study Abroad | 3 |
| Experiential Course | 3 |

Standard Admission Requirements

- Complete a minimum of 12 UI s.h.
- Complete 4 prerequisite courses with a grade of C or higher
- Earn a UI, cumulative, and prerequisite GPA of 2.75 or higher
- Apply online by December 1 for spring admission or May 1 for fall

BAIS Major Requirements (22 s.h. total)

Two-thirds of the major s.h. must be completed at UI. s.h.

Common requirements (7 s.h.)

| | |
|---|---|
| MSCI:3050 BAIS Professional Preparation | 1 |
| MSCI:3030 Business Process Analysis (MSCI:3000) | 3 |
| MSCI:3200 Database Mgmt. (MSCI:3005) | 3 |

Complete one track from the following two options

Business Analytics track (15 s.h.)

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|---|---|
| MSCI:3250 Analyzing Data for Bus. Intelligence (co-req: MSCI:3200) | 3 |
| MSCI:3500 Data Mining (MSCI:2800) | 3 |
| MSCI:3800 Optimization & Simulation Modeling (MSCI:2800) | 3 |
| MSCI elective: choose from Info. Systems track or elective list below | 3 |
| MSCI:4150 Bus. Analytics Capstone ^{RISE} (MSCI:3030, 3200, 3250, & 3500) | 3 |

Information Systems track (15 s.h.)

| | |
|--|---|
| MSCI:3020 Business Programming (MSCI:3005) | 3 |
| MSCI:3300 Software Design & Dev. (co-reqs: MSCI:3020, 3030, & 3200) | 3 |
| MSCI:3400 Data Communications (MSCI:3005) | 3 |
| MSCI elective: choose from Bus. Analytics track or elective list below | 3 |
| MSCI:4350 Info. Systems Capstone ^{RISE} (MSCI:3020, 3030, 3200, & 3300) | 3 |

Additional BAIS electives

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|--|---|
| MSCI:3025 VBA Spreadsheet Programming (MSCI:3005) fall only | 3 |
| MSCI:3100 Accounting Info. Systems (ACCT:2200, MSCI:3005) | 3 |
| MSCI:3920 Supply Chain Mgmt. (MSCI:3000) spring only | 3 |
| MSCI:4220 Adv. Database Mgmt. and Big Data (MSCI:3200) spring only | 3 |
| MSCI:4280 Data Security spring only | 3 |
| ECON:3355 Econ. & Bus. Forecasting (ECON:1100 & 1200, MSCI:2800; ECON:3300 prereq starting Spring '19) | 3 |
| MKTG:3102 Marketing Analytics (MKTG:3100) | 3 |
| CS:1210 or any CS course for which CS:1210 is a prerequisite | 3 |

Semester hours (s.h.) needed for BBA degree

- 120 s.h. minimum (#2 on degree audit)
 - Completed s.h.: _____
 - In progress s.h.: _____
 - 120 - (completed + in progress) = _____
- 48 s.h. business (#4 on degree audit)
 - 24 s.h. UI business (#6 on degree audit)
- 60 non-business s.h. minimum (#8 on degree audit)

ACCT, BUS, ECON, ENTR, FIN, MGMT, MSCI, and MKTG will not count towards non-business hours, with the exception of ECON:1100 and 1200.

 - Completed non-bus. s.h.: _____
 - In progress non-bus. s.h.: _____
 - 60 - (completed + in progress) = _____
- 30 UI s.h. after admission to Tippie (#11 on degree audit)

Sample Four-Year Plan

| First Year (0-30 s.h.) | | | |
|--|------|--|------|
| 1 st Semester | s.h. | 2 nd Semester | s.h. |
| MATH:1380 Calc. & Matrix Algebra for Bus. | 4 | STAT:1030 Statistics for Business | 4 |
| RHET:1030 Rhetoric | 4 | ECON:1100 Principles of Microeconomics | 4 |
| General education | 3 | MSCI:1500 Business Computing Essentials | 2 |
| General education | 3 | General education | 3 |
| CSI:1600 Success at Iowa | 2 | General education | 3 |
| | 16 | | 16 |
| Second Year (30-60 s.h.) | | | |
| 1 st Semester | s.h. | 2 nd Semester | s.h. |
| ACCT:2100 Intro. to Financial Accounting | 3 | ACCT:2200 Managerial Accounting | 3 |
| MSCI:2800 Business Analytics | 3 | MSCI:3005 Information Systems | 3 |
| MGMT:2000 Intro. to Law | 3 | ECON:1200 Principles of Macroeconomics | 4 |
| General education | 3 | MGMT:2100 Intro. to Management | 3 |
| Non-business elective | 2 | Non-business elective | 2 |
| | 14 | | 15 |
| Third Year (60-90 s.h.) | | | |
| 1 st Semester | s.h. | 2 nd Semester | s.h. |
| MSCI:3050 BAIS Professional Preparation | 1 | MSCI:3030 Business Process Analysis | 3 |
| MSCI:3000 Operations Mgmt. | 3 | BAIS track course | 3 |
| MSCI:3200 Database Mgmt. | 3 | FIN:3000 Intro. Financial Mgmt. | 3 |
| BUS:3000 Bus. Comm. and Protocol | 3 | Non-business elective | 3 |
| General education | 3 | Non-business elective | 2 |
| Non-business elective | 3 | | |
| | 16 | | 14 |
| Fourth Year (90-120 s.h.) | | | |
| 1 st Semester | s.h. | 2 nd Semester | s.h. |
| BAIS track course | 3 | MSCI:4150/4350 BA/IS Capstone | 3 |
| BAIS track course/BAIS elective | 3 | BAIS track course/BAIS elective | 3 |
| Elective | 3 | MKTG:3000 Intro. to Marketing Strategy | 3 |
| Non-business elective | 3 | Elective | 3 |
| Non-business elective | 3 | Non-business elective | 2 |
| | 15 | | 14 |

Notes