# Master of Business Analytics (U2G or 4+1)

## Plan of Study

### Fall (UG/Grad)
- **MSCI:9100:0700 Data and Decisions (formerly Business Analytics)** 3 sh
- **MSCI:6050:0700 Data Management and Visual Analytics** 3
- **MSCI:6060:0700 Data Programming in R** 3
- **MBA:8130:0800 Business Communication** 1

*Undergraduate coursework as required to complete degree*

### Spring (UG/Grad)
- **MSCI:6070:0700 Data Science** 3
- **MBA:8130:0800 Business Communication** 1

*Undergraduate coursework as required to complete degree*

*A U2G student may take up to 14 s.h. of MSBA credit in the final year of undergraduate coursework.*

### Fall (Grad)
- **MSCI:6120:0700 Analytics Experience** 3
- Elective 1 3
- Elective 2 3
- Elective 3 3
- **MBA:8130:0800 Business Communication** 1

### Spring (Grad)
- **MSCI:9110:0700 Advanced Analytics** 3
- Elective 4 3
- Elective 5 3
- Elective 6 3

**Total: 39 s.h. MSBA**

## Registering for courses

- Log into MyUI ([https://myui.uiowa.edu/my-ui/home.page](https://myui.uiowa.edu/my-ui/home.page)) with your HawkID and password.
- Click on *Courses/Registration* in the yellow bar at the top of the page and search for the courses listed above for the semester. When you find the desired course, click the *Enroll* button to register.
- When searching for courses in MyUI, you may see a green button with “Add to Scheduler.” This is a feature designed for undergrads; we do not recommend that you use it as it does not automatically add your courses to your schedule.
- Once you have added all your courses, you can see your Class Schedule by clicking on *Student Information* in the top tab and then *Course Schedule*. Please be sure to verify your schedule is correct.
- Contact your advisor / Director of Student Services at jill-tomkins@uiowa.edu with questions.

## Pre-approved electives listed on next page.

### Course waiver

Waiver of a core course does not reduce credit hours required for the degree—the waived course is replaced by an additional elective. To receive a waiver, contact your advisor / Director of Student Services at least two weeks prior to the start of the semester of the course you are seeking to waive.

A student may waive MSCI:9100 Data and Decisions if as a Tippie undergrad the student received a grade of B or better in the following courses:

- **MSCI:2800 Business Analytics or ECON:2800 AND**
- Another class that uses Excel and statistics, including MKTG:3100 Marketing Research, ACCT:4100 Auditing, MSCI:3500 Data Mining, MSCI:3800 Optimization and Simulation Modeling, or ECON:3355 Econ and Business Forecasting.

Tippie BAIS undergraduate majors may also be able to waive additional coursework—contact your advisor for information.

Students from other colleges or majors, please contact your advisor to inquire about a possible waiver.
Master of Business Analytics (Full-time)

Pre-approved Electives

Consult MyUI to see if a course is offered in any given semester (below is when courses have traditionally been offered but this is subject to change), to check pre-requisites, course timing and for course descriptions: https://myui.uiowa.edu/my-ui/courses/dashboard.page

To request that a course not on this list count toward your Master of Business Analytics coursework, contact jill-tomkins@uiowa.edu at least two weeks prior to the start of the semester.

Note: the STAT department would like any MSBA student who does not have the formal pre-reqs listed in MyUI to request permission from the instructor of the course.

### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS:3700:0004</td>
<td>Elementary Numerical Analysis (Must have some knowledge in linear/matrix algebra and some calculus such as being able to differentiate functions.)</td>
</tr>
<tr>
<td>CS:5110:0001</td>
<td>Intro to Informatics</td>
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<tr>
<td>ECON:5805:0001</td>
<td>Statistics for Economics</td>
</tr>
<tr>
<td>EPID:5200:0001</td>
<td>Principles of Public Health Informatics</td>
</tr>
<tr>
<td>GEOG:4580:0001</td>
<td>Introduction to Geographic Databases (Pre-req listed is not applicable to master's level student.)</td>
</tr>
<tr>
<td>MBA:8140:0800</td>
<td>Corporate Financial Reporting</td>
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<tr>
<td>MSCI:6140 Information Visualization</td>
<td></td>
</tr>
<tr>
<td>Additional electives to be added prior to registration for Fall 2019</td>
<td></td>
</tr>
</tbody>
</table>

### Spring

**Highly recommended**

- MSCI:4280 Data Security
- MSCI:6100 Text Analytics
- MSCI:9160 Supply Chain Analytics
- MSCI:9210 Intro to Modeling with VBA

**Applications and Techniques of Analytics**

- ACTS:4180 Life Contingencies I
- BIOS:4120 Intro to Biostatistics
- BIOS:5120 Regression Modeling & ANOVA in Health Sciences
- BIOS:5310 Research Data Management
- CS:4420 Artificial Intelligence
- CS:4740 Large Data Analysis
- ECON:4800 Econometric Analysis
- ECON:5800 Econometrics
- IE:4900 Introduction to Six Sigma
- JMC:3640 Data Journalism
- MATH:4820 Optimization Techniques
- PSQF:6209 Survey Research and Design
- PSQF:6243 Intermediate Statistical Methods
- PSQF:6248 Research Synthesis and Meta-Analysis
- PSQF:6250 Computer Packages for Statistical Analysis
- STAT:4101 Mathematical Statistics II
- STAT:4200 Statistical Methods and Computing
- STAT:5101 Statistical Inference II
- STAT:5201 Applied Statistics II
- STAT:5810 Research Data Management
- URP:6225 Applied GIS for Planners

**Research/PhD oriented**

- CS:5430 Machine Learning
- MSCI:6500 Social Network Analytics
- IE:6720 Nonlinear Optimization
- STAT:6560 Applied Time Series Analysis

This form is a planning tool only for on campus, full-time MSBA students. It does not apply to off campus professional MSBA students. Consult your academic advisor or degree audit on MyUI to see all degree requirements.