

Business Analytics, MS

Academic Plans

Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Business Analytics, MS

- Artificial Intelligence and Machine Learning Subprogram [p. 1]
- Artificial Intelligence and Technology Management Subprogram [p. 1]
- Finance Analytics Subprogram [p. 2]
- Professional Subprogram [p. 2]

Artificial Intelligence and Machine Learning Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
33 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^a		
Graduate College major program GPA and cumulative GPA of at least 2.75 is required.		
Summer Pre-Work: Data and Decisions Bootcamp ^b		
Hours		0
First Year		
Any Semester		
Meet with your Career Services coach and attend offered sessions.		
Hours		0
Fall		
BAIS:6040	Data Programming in Python ^c	3
BAIS:6050	Data Management	3
BAIS:6070	Data Science	3
BAIS:6100	Text Analytics ^d	3
BAIS:7110	Managerial Communication ^d	1
BAIS:9110	Advanced Analytics	3
BAIS:9400	Professional Development and Business Acumen ^c	1
Hours		17
Spring		
BAIS:6105	Social Analytics ^c	3
BAIS:6120	Analytics Experience	3
BAIS:6140	Visual Analytics	3
BAIS:6250	Applied Deep Learning	3
BAIS:6260	Generative Artificial Intelligence ^d	3
BAIS:7120	Advanced Technical Communication	1

Complete degree application in MyUI ^e	
Hours	16
Total Hours	33

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b This 2-semester long master's degree requires students to have some foundational analytics and Excel skills. All students are required to complete a free online asynchronous bootcamp during the summer prior to starting the program.
- c First 8 weeks of the semester.
- d Second 8 weeks of the semester.
- e See Academic Calendar, on Office of the Registrar website, for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor.

Artificial Intelligence and Technology Management Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
33 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^a		
Graduate College major program GPA and cumulative GPA of at least 2.75 is required.		
Summer Pre-Work: Data and Decisions Bootcamp ^b		
Hours		0
First Year		
Any Semester		
Meet with your Career Services coach and attend offered sessions.		
Hours		0
Fall		
BAIS:6040	Data Programming in Python ^c	3
BAIS:6050	Data Management	3
BAIS:6070	Data Science	3
BAIS:6210	Data Leadership and Management ^d	3
BAIS:7110	Managerial Communication ^d	1
BAIS:9110	Advanced Analytics	3
BAIS:9400	Professional Development and Business Acumen ^c	1
Hours		17
Spring		
BAIS:6120	Analytics Experience	3
BAIS:6140	Visual Analytics	3
BAIS:6240	Value Creation Using Artificial Intelligence ^d	3
BAIS:6250	Applied Deep Learning	3
BAIS:7120	Advanced Technical Communication	1
BAIS:9140	Agile Project Management ^c	3

Complete degree application in MyUI ^e	
Hours	16
Total Hours	33

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b This 2-semester long master's degree requires students to have some foundational analytics and Excel skills. All students are required to complete a free online asynchronous bootcamp during the summer prior to starting the program.
- c First 8 weeks of the semester.
- d Second 8 weeks of the semester.
- e See Academic Calendar, on Office of the Registrar website, for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor.

Finance Analytics Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
33 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^a		
Graduate College major program GPA and cumulative GPA of at least 2.75 is required.		
Summer Pre-Work: Data and Decisions Bootcamp ^b		
Hours		0
First Year		
Any Semester		
Meet with your Career Services coach and attend offered sessions.		
Hours		0
Fall		
BAIS:6040	Data Programming in Python ^c	3
BAIS:6050	Data Management	3
BAIS:6070	Data Science	3
BAIS:6100	Text Analytics ^d	3
BAIS:7110	Managerial Communication ^d	1
BAIS:9110	Advanced Analytics	3
BAIS:9400	Professional Development and Business Acumen ^c	1
Hours		17
Spring		
BAIS:6120	Analytics Experience	3
BAIS:6140	Visual Analytics	3
BAIS:6250	Applied Deep Learning	3
BAIS:7120	Advanced Technical Communication	1
FIN:9300	Corporate Finance ^d	3
MBA:8180	Managerial Finance ^c	3
Complete degree application in MyUI ^e		
Hours		16
Total Hours		33

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b This 2-semester long master's degree requires students to have some foundational analytics and Excel skills. All students are required to complete a free online asynchronous bootcamp during the summer prior to starting the program.
- c First 8 weeks of the semester.
- d Second 8 weeks of the semester.
- e See Academic Calendar, Office of the Registrar website for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor.

Professional Subprogram

Course	Title	Hours
Academic Career		
Any Semester		
30 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^{a, b}		
Individual course waivers are not reflected within sample plans. Check with your advisor and/or consult degree audit for approved waivers.		
Students may also choose to earn a graduate/professional certificate along with the degree by focusing electives. Check with your advisor on possible options and to have a certificate added.		
Hours		0
First Year		
Fall		
BAIS:6040	Data Programming in Python	3
BAIS:9100 or MBA:8150	Data and Decisions or Data and Decisions	3
Hours		6
Spring		
BAIS:6070	Data Science	3
Elective course ^{c, d}		3
Hours		6
Summer		
BAIS:6050	Data Management	3
Hours		3
Second Year		
Fall		
BAIS:9110	Advanced Analytics	3
Elective course ^{c, d}		3
Hours		6
Spring		
Elective course ^{c, d}		3
Elective course ^{c, d}		3
Hours		6
Summer		
BAIS:6140	Visual Analytics	3

Complete Degree Application in MyUI ^e

Hours	3
Total Hours	30

- a Analytics courses are offered in an 8-week format in fall, spring, and summer online. Consult with your advisor and/or the course schedule for more details.
- b Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- c Students may take up to 6 s.h. of business electives through the Iowa MBA Program, which are offered in an 8-week format. Business electives are offered fall, spring and summer and a select number of electives offered in winter session. Consult with your advisor and/or the schedule for more details.
- d See the General Catalog for list of approved courses.
- e See Academic Calendar, on Office of the Registrar website, for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor.