

Business Analytics, M.S.

Plan of Study, Effective for Entering Class Fall 2025

Summer		
Pre-Work: Data and Decisions Bootcamp		
Fall 1st 8 Weeks	Fall 2nd 8 Weeks	17sh
BAIS:6040 Data Programming in Python	Subprogram Course	6
BAIS:6050 Data Management		3
BAIS:6070 Data Science		3
BAIS:9110 Advanced Analytics		3
BAIS:9400 Professional Development Business Acumen	BAIS:7110 Managerial Communication	2
Spring 1 st 8 Weeks	Spring 2 nd 8 Weeks	16sh
BAIS:6140 Visual Analytics		3
BAIS:6250 Applied Deep Learning		3
BAIS: 6120 Analytics Experience		3
BAIS:7120 Advanced Technical Communication		1
Subprogram Course	Subprogram Course	6
Total: 33 semester hours		

Artificial Intelligence & Machine Learning Subprogram 9sh:

Course	Prerequisites	Semester
BAIS:6100 Text Analytics	BAIS:6040 Co-req - BAIS:6070	Fall 2 nd
BAIS:6105 Social Analytics	BAIS:6040 & 6070	Spring 1 st
BAIS:6260 Generative AI	BAIS:6040 & 6070. Co-req - BAIS:6250	Spring 2 nd

Artificial Intelligence Technology Management Subprogram 9sh:

Course	Prerequisites	Semester
BAIS:6210 Data Management & Leadership	None	Fall 2 nd
BAIS:9140 Agile Project Management	None	Spring 1 st
BAIS:6240 Value Creation Using AI	None	Spring 2 nd

Finance Analytics Subprogram 9sh:

Course	Prerequisites	Semester
BAIS:6100 Text Analytics	BAIS:6040	Fall 2 nd
MBA:8180 Managerial Finance		Spring 1 st
FIN:9300 Corporate Investment & Finance Decisions	MBA:8180	Spring 2 nd

Program Course Waivers

Business Analytics:

Tippie Business Analytics and Information Systems (BAIS) undergraduate majors may be able to waive the following:

- BAIS:3020 Computational Thinking (minimum grade A-) waives BAIS:6040 Data Programming in Python
- BAIS:3200 Database Management (minimum grade A-) waives BAIS:6050 Data Management
- BAIS:3140 Information Visualization (minimum grade A-) waives BAIS:6140 Visual Analytics.
- BAIS:3500 Data Mining (minimum grade A-) waives BAIS:6070 Data Science

*Students from other colleges or majors, please contact your advisor to inquire about a possible waiver.

Finance:

- MBA:8180 Managerial Finance: finance majors with a minimum 3.3 major GPA or with CFA level 1.