

2023-2024 Catalog

Data Analytics

Minor

Academic Department

Mathematics

Total Credits 4-22

Fundamental Courses

Item #	Course Title	Credits
☐ COMSC 1450	Introduction to Programming and Computer Science	4

Statistics

Choose one course from the following:

Item #	Course Title	Credits
☐ MATH 2435	Introduction to Statistical and Quantitative Analysis	4
☐ MATH 3332	Elementary Statistical Methods for Economics & Business	3
☐ MATH 3450	Biostatistics I	4
☐ PSYC 3433	Foundations of Statistical Analysis	4

Core Minor Courses

Item #	Course Title	Credits
☐ MATH 3371	Introduction to Data Analytics	COMSC 3372 Prerequisite MATH 2435, or MATH 3332, or MATH 3450, or PSYC 3433 3
☐ MATH 3372	Data Visualization	COMSC 3372 Prerequisite MATH 2435, or MATH 3332, or MATH 3450, or PSYC 3433 3

Domain Courses

Choose any two courses

Consult catalog for prerequisites.

Item #	Course Title	Credits
--------	--------------	---------

☐	BIOL 3321	Genetics	Prerequisites (with a grade of 'C' or better): BIOL 1351/1151, 1352/1152 and CHEM 1341/1141.	3
☐	BIOL 3331	Ecology	BIOL Upper-Division Prerequisite (with a 'C' or better): BIOL 3321	3
☐	COMSC 2351	Data Structures	COMSC 2351 Prerequisite: COMSC 1451	3
☐	COMSC 3375	Database Systems	COMSC 3375 Prerequisites: COMSC 1451	3
☐	INST 3351	Comparative Political Systems	INST 3351 Prerequisite: INST 1351	3
☐	INST 3352	International Politics	INST 3352 Prerequisite: INST 1351	3
☐	MKTG 3345	Consumer Behavior		3
☐	MKTG 3351	Marketing Research	MKTG 3351 Prerequisites: MATH 1353, 3332; MKTG 3343	3
☐	MKTG 4330	Marketing Measurement & Analytics	MKTG 4330 Prerequisites: MKTG 3343 and MATH 3332, MATH 2435 OR PSYC 3433	3
☐	MATH 3335	A First Course in Probability	MATH 3335 Prerequisite: MATH 1432	3
☐	MATH 4350	Biostatistics II		3
☐	MATH 4381	Advance Topics in Applied Statistics		3
☐	PSYC 3351	Industrial/Organizational Psychology	PSYC 3351 Prerequisite: PSYC 1332	3
☐	PSYC 4434	Experimental Social Psychology		4
☐	PSYC 4435	Cognitive Psychology	PSYC 4435 Prerequisites: PSYC 3433	4