

Minor in Data Science & Analytics

Catalog Year: 2023

Required Courses (9 credit hours)

	Prerequisite	Cr	
DATA 3010 Computer Applications of Statistics	STAT 1401 or ECON 2300 or STAT 3125 or STAT 2332	3	

Select 1 from this group

IET 2227 Probability & Statistics I	MATH 1113	3	
ISYE 2600 Probability & Statistics I	MATH 1190 or (MATH 1179 & MATH 1189)	3	
PSYC 3000 Statistical Applications in Psychological Science	ENGL 1101 & (1000-level MATH course, MATH 2202, STAT 1401, or DATA 1501) Concurrent: PSYC 2210	3	
STAT 3120 Statistical Methods I	DATA 3010	3	
STAT 3125 Biostatistics	BIOL 1107, BIOL 1108, CHEM 1212 or permission	3	

And Select 1 from this group

IET 3403 Probability & Statistics II	(IET 2227 or STAT 1401) and MATH 1113	3	
ISYE 3600 Probability & Statistics II	(ISYE 2600 or STAT 2332 or MATH 3332) and MATH 2202	3	
STAT 3130 Statistical Methods II	DATA 3010 and (STAT 3120 or STAT 3125 or STAT 2332 or PSYC 3000)	3	

Note:

Electives (6 credit hours)

Select at least 2 courses from the following

Select 2 of the following:

	Prerequisite	Cr	
IS 4540 Data Mining	60 credit hours with min GPA of 2.0 & (IS 3100 & Admission to Coles college or STAT 1401 & student in Coles College Partner Program)	3	
Any 4000-level DATA or STAT prefix course	Varies	3	
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One of the 2 upper-division electives may consist of 3 credit hours from either of these:

DATA 3396 Cooperative Study	Coordinator approval	1-3	
DATA 3398 Internship	Coordinator & Department Chair approval	1-9	

Program Total: 15 credit hours