Statistics minor

2024-2025 catalog

Student Name: _____ **ID Number:** _____

Minor Requirements

All classes must be completed with a C- grade or better. Each course may count only once toward the minor. Internship credits do not apply to the minor. Students completing a major or minor in Data Science are not eligible for this minor.

Term Completed/Planned	Grade	Credit	Course #	Title
Complete **one (1)** introductory statistics course, chosen from:				
_____	_____	4	DST164	Introduction to Statistics (with R) (NSM)
_____	_____	4	MAT163	Introductory Statistics (NSM) – *offered infrequently*
_____	_____	4	MIS379	Quantitative Methods for Business and Economics
_____	_____	4	PSY215	Research Methods and Statistics I
_____	_____	4	SOC362	Statistical Analysis
Complete the introductory data science course, DST234				
_____	_____	4	DST234	Introduction to Data Science (and R)
Complete **one (1)** advanced statistics course				
_____	_____	4	DST334	Statistical Modeling
_____	_____	4	DST374	Mathematical Statistics
Complete **one (1)** applied statistics course, chosen from:				
_____	_____	5	BIO444 and 444L	Genomics and Biotechnology
_____	_____	5	BIO481 and 481L	Ecology
_____	_____	5	CHM280 and 280L	Quantitative Analytical Chemistry *
_____	_____	4	DST334	Statistical Modeling
_____	_____	4	DST499	Independent Study, *with MSCS approval* **
_____	_____	4	ECO490	Research Methods in Econometrics (KC)
_____	_____	4	MKT352	Marketing Research and Analysis
_____	_____	4	POL483	Political Statistics and Methodology
_____	_____	4	PSY315	Research Methods and Statistics II
_____	_____	4	SOC363	Research Methods
_____	_____	4	SWK401	Social Work Research and Evaluation
_____	_____	4	URB295	Topics: Geographic Information Systems (*this topic only*) *
Complete **one (1)** additional elective, chosen from:				
_____	_____	4	CSC165 and 165L	Introduction to Computer Programming (Python) *
_____	_____	4	DST334	Statistical Modeling
_____	_____	4	DST374	Mathematical Statistics
_____	_____	4	DST394	Topics in Statistics
_____	_____	4	DST490	Data Visualization for Social Justice
_____	_____	4	MAT373	Probability Theory
_____	_____	4	PSY491	Advanced Research Seminar
_____	_____	4	PSY495	Clinical Research and Lab

* Either the applied statistics course or the additional elective must be numbered 300 or above. Only one of CHM280, URB295, and CSC165 may be applied toward the minor.

** DST 499 may count towards the minor if it contains a significant, independent statistical research project, typically in an area where no applied statistics elective is available. Requires prior approval from the MSCS Department Chair. May be mentored by a faculty member with statistical expertise outside of MSCS.

Each course may count only once towards the minor.

Internship credits do not apply towards the minor.

Students completing a major or minor in Data Science are not eligible for a minor in Statistics.

Abbreviation Key: KC = Senior Keystone Course; NSM = Natural Science & Mathematics - no lab