DATA SCIENCE MINOR

Code	Title	Hours
CSCI 120	Programming in Python (or alterative coding course approved by minor advisor)	3
One Statistics Course From:		3-4
BIOL 390	Biostatistics	
ECON 316	Statistics for Business and Economics	
ENVI 320	Methods in Environmental Research	
MATH 270	Statistics and Data Analysis	
POSC 210	Political Science Research and Methods	
PSYC 291	Psychological Research and Statistics II	
One Ethics Course From:		3
BADM 342	Legal and Social Environment of Business	
COMM 328	Issues in Journalism	
ENVI 352	Environmental Justice	
HLTH 300	Ethical Issues in Health Care	
MATH 230	Calling Bullshit	
PHIL 322	Business Ethics	
DATA 350	Practicing Data Science	4
DATA 500	Independent Study in Data Science	3
Two Elective Courses From:		6-8
AMGT 255	Financial Management in Arts and Culture	
BADM 342	Legal and Social Environment of Business	
BADM 382	Marketing Research	
BIOL 312	Epidemiology	
BIOL 341	Conservation Biology	
BIOL 354	Ecology	
BIOL 355	Environmental Microbiology	
BIOL 390	Biostatistics	
BIOL 412	Research Methods in Epidemiology	
CSCI 243	Database Development	
CSCI 343	Full Stack Development	
CSCI 350	Introduction to Parallel Computing	
CSCI 352	Business Information Systems	
CSCI 360	Network Security I	
CSCI 361	Data Structures and Algorithms	
CSCI 420	Bioinformatics	
CSCI 452	Software Engineering	
COMM 200	Communication Research and Methods	
COMM 309	Technical Writing	
COMM 328	Issues in Journalism	
COMM 405	Data Journalism & Infographics	
ECON 316	Statistics for Business and Economics	
ENVI 320	Methods in Environmental Research	
ENVI 325	Geographic Information Systems	
ENVI 352	Environmental Justice	
ENVI 425	Advanced Geographic Information Systems (GIS)	
HLTH 150	Introduction to Community and Public Health	
HLTH 300	Ethical Issues in Health Care	
MATH 230	Calling Bullshit	
MATH 261	Linear Algebra	
MATH 270	Statistics and Data Analysis	
MATH 331	Probability and Statistics I	
MATH 332	Probability and Statistics II	
MATH 340	Graph Theory	
MATH 345	Game Theory	
MATH 365	Mathematical Modeling	
MATH 390	Numerical Analysis	
MATH 444	Operations Research	
PHIL 322	Business Ethics	
PHYS 361	Mathematical Methods of Physics	
POSC 210	Political Science Research and Methods	
POSC 343	Political Economy	
POSC 401	Seminar in Political Science	
PSYC 291	Psychological Research and Statistics II	
PSYC 360	Qualitative and Mixed-Methods Research	
PSYC 390	Research Design and Analysis	
SOCI 331	Methods of Social Research	
SOCI 410	Sociology of Education	
Total Hours		**22-25**