MINOR: STATISTICS

Student Learning Outcomes

Students graduating from this program will:

- acquire knowledge in probability theory and statistical inference
- apply foundational knowledge in statistical computing for data analysis.
- present statistical reasoning.

Code	Title	Credits
Take one of the following sequences:		8
MATH 210 & MATH 220	Calculus I and Calculus II	
MATH 266 & MATH 268	Engineering Calculus I and Engineering Calculus II	
Take one of the following courses:		3
STAT 235	Elementary Statistics	
BIOLOGY 304	Biostatistics 1	
DSOM 211	Business Analytics I	
CJC 303/SOCIOL 363	Introduction to Statistics in Sociology and Criminal Justice	
PSYCH 316	Quantitative Methods In Psychology	
CIV-ENGR 319	Engineering Computation and Statistics	
Take three courses (9 credit hours) selected from the following:		9
STAT 400	Machine Learning and Statistical Modeling	
BIOLOGY 404	Biostatistics 2	
STAT 415	Statistical Design of Experiments	
STAT 436 or COMP-SCI 394R	Introduction To Mathematical Statistics I Applied Probability	
STAT 441	Introduction To Mathematical Statistics II	
STAT 451	Applied Statistical Analysis	
STAT 480	Statistical Models in Actuarial Science	
STAT 496	Internship/Practical Training in Mathematics or Statistics	
DSOM 311 or ECON 425	Business Analytics II Econometrics	
GEOG 444	Spatial Data Analysis	
Total Credits		**20**