STATISTICS MINOR

Students earning a Minor in Statistics will acquire knowledge of statistical techniques and methods, and the computational skills, such as R and SAS, to apply and implement these methods using real data. Students with statistical training are in high demand in industry in a wide array of fields such as medical research, technology companies, pharmaceuticals, insurance, finance, government, genetics, public health, sports, and epidemiology to name a few.

Curriculum

Code	Title	Hours
Required Courses		
Select one of the following:		6-8
MATH 161 & MATH 162	Calculus I and Calculus II	
MATH 131 & MATH 132	Applied Calculus I and Applied Calculus II	
STAT 203	Introduction to Probability & Statistics	3
or STAT 335	Introduction to Biostatistics	
STAT 303	SAS Programming & Applied Statistics	3
Electives		
Select two of the following:		6
STAT 304	Introduction to Probability	
STAT 305	Introduction to Mathematical Statistics	
STAT 306	Intro to Stochastic Processes	
STAT 307	Statistical Design & Analysis of Experiments	
STAT 308	Applied Regression Analysis	
STAT 310	Categorical Data Analysis	
STAT 311	Applied Survival Analysis	
STAT 321	Computational Aspects of Modeling and Simulation	
STAT 336	Advanced Biostatistics	
STAT 337	Quantitative Methods in Bioinformatics	
STAT 338	Predictive Analytics	
STAT 351	Nonparametric Statistical Methods	
STAT 370	Data Science Consulting	
STAT 388	Topics	
Total Hours		**18-20**

Note: Per our double dipping policy (https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/#policiestext), at least 6 credit hours must be unique to this minor.