

# STATISTICS MINOR \*PROGRAM PLACED ON MORATORIUM\*

## Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Demonstrate proficiency in geometry, algebra, calculus, mathematical analysis, probability and statistics, and discrete mathematics.
- Read, comprehend, critique, and construct rigorous mathematical arguments and proofs.
- Effectively use technology such as (but not limited to) computer algebra systems, statistical software, and calculators to solve, analyze, or explore mathematics problems.
- Demonstrate effective communication of mathematics through collaborative projects and presentations.

## Required Courses

Code	Title	Credits
<b>Required Courses Group A</b>		
STAT 216	Introduction to Statistics *	4
<b>Select one or both of the following:</b>		<b>4-8</b>
STAT 217	Interm Statistical Concepts	
STAT 341	Intro Probability & Statistics	
<b>Electives</b>		
Select 0-9 credits from the list below or other courses chosen in consultation with the Math Department advisor. The elective courses are not limited to the list below. Students should contact the Math Department to confirm the eligibility of any course with an adequate statistics component to count as an elective in this group.		0-9
BGEN 315	Applied Business Decisions	
BMGT 322	Operations Management	
BMKT 342	Marketing Research	
BMKT 411	Services/Relationship Mktg	
SOCI 318	Sociological Research Methods	
SOCI 319	Statistics for Sociologists	
SOCI 499	Senior Thesis/Capstone	
STAT 141	Intro to Statistical Concepts *	
STAT 492	Independent Study	
PSYX 222	Psychological Statistics	
PSYX 225	Research Design and Analysis	
PSYX 320	Adv Psych Research Methods	
PSYX 321	Adv Psych Research Methods Lab	
PSYX 499	Senior Thesis	
Subtotal		8-21
<b>Required Courses Group B</b>		
M 171	Calculus I *	3-4
or M 161	Survey of Calculus	

### Electives

Choose 0-6 credits from the list below or other courses chosen in consultation with the Math Department advisor. The elective courses are not limited to the list below. Students should contact the Math Department to confirm the eligibility of any course with an adequate math or statistics component to count as an elective in this group.

CHMY 371	Phys Chem-Qntm Chm & Spctrscopy	
CHMY 373	Phys Chem-Kntcs & Thrmdynmcs	
CSCI 111A	Programming with Java I	
CSCI 246	Discrete Structures	
M 172	Calculus II	
M 371	Numerical Computing	
Any M 200-level or above		
PHSX 232	Physics II & Thermo	
PHSX 343	Modern Physics	
Subtotal		3-10
<b>Total Minimum Credits</b>		<b>20</b>

\*

May satisfy General Education requirements.

*Certain courses in this program have prerequisites; students should check the course descriptions for required prerequisites.*