

# STATISTICS

## Freshman Year

Fall Semester	crs	Spring Semester	crs
Math 1155 Intensive Precalculus	5	Math 1371 or 1271 Calc I <i>(1371 Fall only)</i>	4
Biol 1009 General Biology <i>(fill Biol/Lab lib ed requirement)</i>	4	Phys 1301W Intro Phys I ** <i>[&amp;Math 1271 or &amp;Math 1371]</i>	4
Lib Ed*	3 or 4	Lib Ed*	3 or 4
Lib Ed*	3 or 4	Lib Ed*	3 or 4

\*You should try to take EngC 1011 in the freshman year.

## Sophomore Year

Fall Semester	crs	Spring Semester	crs
Math 1372 Calc II <i>[Math 1271 or 1371]</i>	4	UD Math 2374 or 2263 Multivariable calc <i>[Math 1272 or 1372]</i>	4
Phys 1302W Intro Phys II** <i>[1301, Math 1371, &amp;Math 1372]</i>	4	Stat 3011 Intro to Stat Analysis <i>[two yrs high school math]</i>	4
CSci 1103 Intro to Comp Prog in Java	4	<b>or</b>	
CSci 1113 Intro to C/C++ <i>[Math 1371]</i>	4	Stat 3021 Intro to Prob and Stat <i>[Math 1372]</i>	3
Lib Ed*	3 or 4	Lib Ed*	3 or 4
		Elective	

Course prerequisites are indicated under the course number.

UD You must have at least a 2.00 technical GPA for admission to upper division Mathematics. This GPA includes all calculus, physics, chemistry, geology, computer science, statistics, and engineering courses. In addition, courses with UD need to be completed before you apply, unless you have at least a 2.50 tech GPA and the courses in progress.

For students admitted to the University prior to Fall 2002, the 2.00 GPA includes all courses taken at the U.

\*\* Statistics majors need three science courses, usually chosen from Biol 1009, Chem 1021-22, or Phys 1301W-1302W.

## Junior Year

Fall Semester	crs	Spring Semester	crs
UD Math 2373 or 2243 Lin alg/diff eq <i>[Math 1272 or 1372]</i>	4	Stat 5102 Theory of Stat II*** <i>[5101 or Math 5651]</i>	4
Stat 3022 Data Analysis <i>[3011 or 3021]</i>	4	Math 4242 Applied Lin Alg <i>[2373 or 2243]</i>	4
Stat 5101 Theory of Stat I*** <i>[Math 2374 or 2263]</i>	4	Statistics Elective	3 to 4
Lib Ed	3	Lib Ed	3

## Senior Year

Fall Semester	crs	Spring Semester	crs
Stat 4893W Senior Paper <i>[Stat major]</i>	1	Tech Elective	3 to 4
Tech Elective	3 to 4	Statistics Elective	3 to 4
Statistics Elective	3 to 4		
Electives			

\*\*\*Or Stat 4101-4102, also offered only F and S, respectively.

You are strongly recommended to take Stat 5302 toward your statistics elective program.

Courses with a double-lined border are Writing Intensive (WI) courses and count toward your writing intensive requirement. You are required to complete four writing intensive courses, two of which must be at the 3xxx-level; one of them must be in your major.

**Math 2373 and 2243 are Linear Algebra and Differential Equations.  
Math 2374 and 2263 are Multivariable Calculus and Vector Analysis.**

You need 120 semester credits to earn your degree.