

## Mathematics (BA) (Statistics)

The following course sequence sheet is for illustrative purposes only and should not be construed as formal academic advisement. Course selections and sequence may vary depending on course availability and counsel from your academic adviser. You should consult an academic adviser before developing an actual academic plan.

<b>Cr.</b>	<b>First Semester</b>	<b>Cr.</b>	<b>Second Semester</b>
4	MATH.125 Calculus I	4	MATH.126 Calculus II
4	COMPSCI.121 Object-Oriented Programming with Java or COMPSCI.115 Python Programming	4	COMPSCI.122 Graphical User Interfaces in Java or COMPSCI.215 Adv Python Prog or MATH.320 Computer Prog for Math
3	ENGLISH.101 Found of College Writing	3	General Education Course
	Or General Education Course		or ENGLISH.101 Found of College Writing
3	General Education Course	3	MATH.141 Introduction to Statistics
14	Total Semester Credits	14	Total Semester Credits
<b>Cr.</b>	<b>Third Semester</b>	<b>Cr.</b>	<b>Fourth Semester</b>
3	MATH.185 Discrete Mathematics	3	MATH.241 Probability & Statistics
3	MATH.240 Statistical Methods	3	Mathematics Elective 225 or higher
3	General Education Course	3	General Education Course
3	General Education Course	3	General Education Course
3	General Education Course	3	General Education Course
1	General Education Course	1	General Education Course
16	Total Semester Credits	16	Total Semester Credits
<b>Cr.</b>	<b>Fifth Semester</b>	<b>Cr.</b>	<b>Sixth Semester</b>
3	MATH.314 Linear Algebra	3	MATH.340 Statistical Software
3	General Education Course	3	General Education Course
3	General Education Course	3	General Education Course
3	General Education Course	3	Related Area
3	Related Area	3	Free Elective
15	Total Semester Credits	15	Total Semester Credits
<b>Cr.</b>	<b>Seventh Semester</b>	<b>Cr.</b>	<b>Eighth Semester</b>
3	MATH.342 Design & Analysis of Experiments	3	MATH.343 Applied Regression Analysis
3	Free Elective	3	MATH.410 Mathematical Modeling
4	Free Elective	3	Free Elective
4	Free Elective	3	Free Elective
14	Total Semester Credits	12	Total Semester Credits
	<b>TOTAL CREDITS:</b>		120