

## Mathematics (BA)

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>
3	MATH.125 Calculus I	3	MATH.126 Calculus II
4	COMPSCI.121 Object-Oriented Programming with Java	4	COMPSCI.122 Graphical User Interfaces in Java
3	ENGLISH.101 Composition I or General Education Group B (Social Sciences)	3	General Education Group B (Social Sciences) or ENGLISH.101 Composition I
3	General Education Group A (Humanities) (PHIL.111 Intro to Philosophy recommended)	3	General Education Group A (Humanities) (PHIL.270 Logic recommended)
1	INTSTUDY.100 Opt. University Seminar	3	General Ed. Values, Ethics, Decision-Making
14	Total Semester Credits	16	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.225 Calculus III	3	MATH.226 Calculus IV
3	2nd Writing Course (INTSTUDY.231 Tech Writing suggested) or General Education Group B (Social Sciences)	3	General Education Group B (Social Sciences) or 2nd Writing Course (INTSTUDY.231 Tech Writing suggested)
3	General Ed. Group C (Natural Science/Math)	3	General Ed. Group C (Natural Science/Math)
3	General Education Group A (Humanities)	3	Free Elective
1	General Education Fitness/Recreation Skills	1	General Education Fitness/Recreation Skills
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.310 Introduction to Abstract Algebra or MATH.421 Advanced Calculus
3	General Education Communications	3	Mathematics Application Elective
3	Mathematics Application Elective	3	General Education Group B (Social Sciences)
3	General Education Group B (Social Sciences)		

3 Free Elective

3 Free Elective

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15 Total Semester Credits

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<b>Cr.</b>	<b>Seventh Semester</b>	<b>Cr.</b>	<b>Eighth Semester</b>
3	MATH.410 Mathematical Modeling	3	Mathematics Major Elective
3	Mathematics Major Elective	3	Free Elective
4	Free Elective	3	Free Elective
3	Free Elective	3	Free Elective
		3	Free Elective
13	Total Semester Credits	15	Total Semester Credits

TOTAL CREDITS: 120

**IMPORTANT NOTES:**

The sequence of General Education courses is an example only; they may be taken in any order.

Major Electives shown as an example only; consult advisor for current schedule of department electives.

Number of Free Electives will depend on major elective choices.

Two Courses selected for the Major, General Education OR Free Elective must also quality as Diversity courses. See list of Diversity Courses and consult advisor.