

Mathematics (BS)

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.

Cr.	First Semester	Cr.	Second Semester
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 Optional University Seminar	3	General Ed. Values, Ethics, Decision-Making
14	Total Semester Credits	16	Total Semester Credits
Cr.	Third Semester	Cr.	Fourth Semester
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)
4	PHYSICS.211 General Physics I	4	PHYSICS.212 General Physics II
3	General Education Group A (Humanities)	3	Free Elective
16	Total Semester Credits	16	Total Semester Credits
Cr.	Fifth Semester	Cr.	Sixth Semester
3	MATH.314 Linear Algebra	3	MATH.310 Introduction to Abstract Algebra or MATH.421 Advanced Calculus
3	General Education Communications	3	Mathematics Major Elective
3	Mathematics Major Elective	3	Mathematics Concentration Elective
3	Mathematics Concentration Elective	3	General Education Group B (Social Sciences)
3	General Education Group B (Social Sciences)		

1	General Education Fitness/Recreation Skills	3	General Ed. Group C (Natural Science/Math)
16	Total Semester Credits	15	Total Semester Credits

Cr.	Seventh Semester	Cr.	Eighth Semester
3	MATH.410 Mathematical Modeling	3	Free Elective
3	Mathematics Concentration Elective	3	Free Elective
3	Free Elective	3	Free Elective
3	Free Elective	3	Free Elective
1	General Education Fitness/Recreation Skills	2	Free Elective
13	Total Semester Credits	14	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 qualify as Diversity courses. See list of Diversity Courses and consult advisor.