

Secondary Education (BSED) (Mathematics)

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 PSYCH.101 General Psychology	3	PSYCH.101 General Psychology or ENGLISH.101 Composition I
3	General Education Group A (Humanities) or SOC.211 Prin Sociology or ANTHRO.200 Cultural Anthropology	3	SOC.211 Prin Sociology or ANTHRO.200 Cultural Anthropology or General Education Group A (Humanities)
2	EDFOUND.206 Teachers, Schools, & Society	3	SPECED.101 Intro to Individ. w/Exceptional
1	INTSTUDY.100 Optional University Seminar		
16	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	Writing Intensive Literature Course or ENGLISH.201 or COMMSTUD.103 Public Speaking or COMMSTUD.104 Interpersonal	3	COMMSTUD.103 Public Speaking or COMMSTUD.104 Interpersonal or Writing Intensive Literature Course or ENGLISH.201
3	EDFOUND.204 Educational Computing or MATH.305, EDFOUND.350, or EDFOUND.351	3	General Education Group A (Humanities)
3	EDFOUND.251 Psychological Foundations of Education	3	EDFOUND.291 Principles of Teaching
1	General Education Fitness/Recreation Skills	1	General Education Fitness/Recreation Skills
16	Total Semester Credits	16	Total Semester Credits
Cr.	Fifth Semester	Cr.	Sixth Semester
3	MATH.231 College Geometry	3	MATH.314 Linear Algebra
3	MATH.310 Introduction to Abstract Algebra	3	MATH.360 Number Theory
3	PSYCH.212 Adolescence	3	EDFOUND.393 Social Foundations of Education or EDFOUND.406 Multicultural Education
3	General Ed. Values, Ethics, Decision-Making	3	SECED.352 Teaching of Mathematics
3	General Ed. Group C (Natural Science/Math)		

15	Total Semester Credits	3	General Education Group A (Humanities)
Cr.	Seventh Semester	Cr.	Eighth Semester
3	MATH.410 Mathematical Modeling	6	EDFOUND.497 Teaching in Education: First Experience
3	EDFOUND.311 Classroom Measures & Assessment	6	EDFOUND.498 Teaching in Education: Second Experience
3	Mathematics Major Elective (311 or higher)		
3	General Ed. Group C (Natural Science/Math)		
2	Free Elective		
14	Total Semester Credits	12	Total Semester Credits
TOTAL CREDITS: 120			

IMPORTANT NOTES:

One of the following is required based on placement testing:

MATH.113 Pre-calculus, MATH.123 Essentials Calculus, MATH.125 Calculus I, or MATH.126 Calculus II

Students may count one Communications, Quantitative or Values course towards Gen Ed Group A, B, or C.

As an example, this program counts COMMSTUD.103 for Communications and Group A. See advisor for other options.