

B.S.Ed.: MATHEMATICS: 121 credits

Student Name:

Student ID#:

Required by Math for Secondary Ed. Major (45 credits)			
Course Number	Course Title	Cr.	Plan
INSTUDY 100	University Seminary for Math Students	1	
MATH 125	Calculus 1	4	
MATH 126	Calculus 2	4	
MATH 185	Introduction to Discrete Mathematics	3	
MATH 225	Calculus 3	4	
MATH 231	College Geometry	3	
MATH 241	Prob. & Statistics	3	
Pick one	MATH 405	3	
	MATH 421		
MATH 314	Linear Algebra	3	
MATH 360	Number Theory	3	
MATH _____	Math 217 or Any one Math course numbered 208 or higher, not including MATH 300-307.	3	
MATH _____	Any one Math course numbered 308 or higher.	3	
MATH 410	Mathematical Modeling	3	
Required CS Courses			
COMPSCI 121 or COMPSCI 115	Obj-Orien. Prog. Java (4) Python Programming (3)	3-4	
COMPSCI 122 or COMPSCI 215 or MATH 320 or COMPSCI 300 or higher	Graph. Interface Java (4) or Advanced Python Programming (3) or Comp. Programming in Mathematics (3) or COMPSCI 300 or higher (3)	3-4	

**Highly Recommended

Required by Education (40 credits)			
EDFOUND 204	Educational Technology for Teaching and Learning	3	
EDFOUND 206	Teachers, Schools, & Society	1	
EDFOUND 291	Principles of Teaching	3	
PROFSTUD 301	Teach. Learn. & Assess.	3	
EDFOUND 406	Multicultural Education	3	
EDFOUND 427	Classroom Mgt. & Eff. Disc.	3	
PSYCH 101	General Psychology	3	
SECED 452	Teach Math Sec. Sch. (<i>spring only</i>)	3	
-----	Practicum	3	
PROFSTUD 498	Student Teaching Seminar	3	
EDFOUND 497	Tch. Ed: First Exper.	6	
EDFOUND 498	Tch. Ed: Second Exper.	6	

Required by PDE (21 credits)			
ENGLISH 101	Foundations of College Writing	3	
ENGLISH _____	Literature (151, 152, 156, 221, 226, 227, 236, 237, 246, 247, or 286)	3	
PROFSTUD 494	ELL Strategies & Methods	3	
PSYCH 212	Adolescent Dev.	3	
SPECED 101	Introduction to Individuals with Exceptionalities	3	
SPECED 275	Linking Assessment/Instruction for Students with Disabilities	3	
SPECED 358	Meth. Instr. Indiv. Dis.	3	

NOTE: A minimum of 120 credits are required for graduation. An alternative bookkeeping method for GEPs found on the reverse.

*Highly Recommended

Meeting General Education Goals:			
Credit toward General Education Goals is met with General Education Points (GEPs). Courses can offer up to 4 GEPs and some offer GEPs toward more than one General Ed. Goal. <i>The range of courses awarding GEPs, and the degree to which major requirements and general education requirements may be satisfied simultaneously, will change as more courses are approved for GEPs. See www.bloomu.edu/mycore.</i>			
General Education Courses			
<i>Courses in italics are also listed at left.</i>			
Course Number	Course Title	GEPs	Plan
Goal 1: Communication; minimum 7 GEPs, from minimum of 3 disciplines			
<i>EDFOUND 291</i>	<i>Principles of Teaching</i>	2	
<i>ENGLISH 101</i>	<i>Foundations of College Writing</i>	3	
<i>ENGLISH _____</i>	<i>Literature (151, 152, 156, 221, 226, 227, 236, 237, 246, 247, or 286)</i>	1	
<i>MATH 217</i>	<i>History of Math</i>	1	
Goal 2: Information Literacy; minimum 2 GEPs			
<i>EDFOUND 204</i>	<i>Educational Technology for Teaching and Learning</i>	3	
Goal 3: Analysis, Quantitative Reasoning, & Problem Solving; minimum 5 GEPs, from minimum of 2 disciplines			
BIOLOGY 114 or CHEM 115	Concepts Biology I OR Chemistry for Sciences 1	1	
<i>MATH 125</i>	<i>Calculus 1</i>	2	
<i>MATH 126</i>	<i>Calculus 2</i>	3	
Goal 4: Cultures & Diversity; minimum 5 GEPs, from minimum of 2 disciplines			
<i>EDFOUND 291</i>	<i>Principles of Teaching</i>	1	
<i>EDFOUND 406</i>	<i>Multicultural Education</i>	2	
<i>SPECED 101</i>	<i>Introduction to Individuals with Exceptionalities</i>	2	
Goal 5: Natural Sciences; minimum 5 GEPs, from minimum of 2 disciplines			
BIOLOGY 114 or CHEM 115	Concepts in Biology I or Chemistry for Sciences 1	3	
<i>MATH 125</i>	<i>Calculus I</i>	1	
PHYSICS 110	Introduction to Astronomy	3	
Goal 6: Social Sciences; minimum 5 GEPs, from minimum of 2 disciplines			
<i>EDFOUND 206</i>	<i>Teachers, Schools, and Society</i>	1	
<i>PSYCH 101</i>	<i>General Psychology</i>	3	
<i>SPECED 275</i>	<i>Linking Assessment/Instruction for Students with Disabilities</i>	1	
Goal 7: Humanities; minimum 5 GEPs, from minimum of 2 disciplines			
<i>ENGLISH _____</i>	<i>Literature (151, 152, 156, 221, 226, 227, 236, 237, 246, 247, or 286)</i>	2	
MUSIC 101/105 THEATRE 102/103 OR PHIL 111	Music Listening, Music Literature, Introduction to Theatre, Theatre Appreciation, OR Introduction to Philosophy	3	
Goal 8: Second Language Competency; minimum 2 GEPs			
_____	102 level language OR Competency Test OR 2 GEPs in language	2	
Goal 9: Physical Activity & Health; minimum 2 GEPs			
_____	*Exercise 211, Exercise (114, 226, 230, 241, 250, 270), Dance 117, Nursing (100 or 217), Honors 217, OR CLE 111	2	
Goal 10: Responsible Citizenship; minimum 2 GEPs			
<i>EDFOUND 406</i>	<i>Multicultural Education</i>	1	
<i>SPECED 101</i>	<i>Introduction to Individuals with Exceptionalities</i>	1	

General Education: see j w r u < l k p t c p g Q l m q o w Q f w l i g p g t c m g f w e c v k p p " for more info about GEPs General Education Requirements:			Goal 1	Goal 2	Goal 3	Goal 4	Goal 5	Goal 6	Goal 7	Goal 8	Goal 9	Goal 10
			Communication	Information Literacy	Analytical/Quantitative	Cultures & Diversity	Natural Science	Social Science	Arts & Humanities	Second Language	Healthy Living	Citizenship
Course #	Course Name	Sem/Yr	7 GEPs ***	2 GEPs *	5 GEPs **	5 GEPs **	5 GEPs **	5 GEPs **	5 GEPs **	2 GEPs *	2 GEPs *	2 GEPs *
BIOLOGY 114	Concepts of Biology 1				1		3					
CHEM 115	Chemistry for Sciences 1				1		3					
EDFOUND 204	Educational Technology for Teaching and Learning			3								
EDFOUND 206	Teachers, Schools, and Society							1				
EDFOUND 291	Principles of Teaching		2			1						
EDFOUND 406	Multicultural Education					2						1
ENGLISH 101	Foundations of College Writing		3									
ENGLISH ____	Literature (151, 152, 156, 221, 226, 227, 236, 237, 246, 247, or 286)		1						2			
EXERCISE	Exercise										2	
LANGUAGE	Language									2		
MATH 125	Calculus 1				2		1					
MATH 126	Calculus 2				3							
MUSIC 101	Music Listening								3			
MUSIC 105	Music Literature								3			
PHIL 111	Introduction to Philosophy								3			
PHYSICS 110	Introduction to Astronomy						3					
Math 217	History of Math		1									
PSYCH 101	General Psychology							3				
SPECED 101	Introduction to Individuals with Exceptionalities					2						1
SPECED 275	Linking Assessment/Instruction for Students with Disabilities			1	1			1				
THEATRE 102	Introduction to Theatre								3			
THEATRE 103	Theater Appreciation								3			
GEP Running Total (revise as needed) =												
Check here when GEP requirements met:												

*GEPs for this goal may come from just 1 discipline. **GEPs must come from at least 2 disciplines. ***GEPs must come from at least 3 disciplines.

Meet with your advisor each semester and have them sign in the respective box

Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring