

B.S.ED.: EARTH & SPACE SCIENCE: 128 credits

Student Name:

Student ID#:

EGGS and other Sciences Required for the Secondary Education Major (53 credits)				
Course Number	Course Title	Cr.	Plan	
BIOLOGY 114	Concepts Biology 1	4		
CHEM 115	Chemistry for Sciences 1	4		
CHEM 116	Chemistry for the Sciences 2	4		
EGGS 100	Introduction to Environmental Science	3		
EGGS 120	Physical Geology	4		
EGGS 130	Historical Geology	4		
EGGS 242	Map Use and Analysis	3		
EGGS 255	Meteorology	3		
EGGS 259	Oceanography	3		
EGGS 260	Earth Materials	4		
PHYSICS 110	Introduction to Astronomy	3		
Pick one	PHYSICS 201	Introductory Physics 1	4	
	PHYSICS 211	General Physics 1		
	Pick one	PHYSICS 202	Intro. Physics 2	4
		PHYSICS 212	General Physics 2	
Electives (6 credits minimum)				
EGGS 213	Fundamentals of Soil Science	3		
EGGS 265	Geomorphology	4		
EGGS 271	Fundamentals of Hydrology	3		
EGGS 320	Remote Sensing of the Earth	3		
EGGS 330	Special Topics in Field Geology	3		
EGGS 365	Introduction to Paleontology	4		
EGGS 368	Stratigraphy & Sedimentation	4		
EGGS 369	Structural Geology	4		
EGGS 370	Surface Hydrology	3		
EGGS 420	Planetary Science	4		
EGGS 460	Aqueous Geochemistry	4		
EGGS 470	Groundwater Hydrology	3		
EGGS 480	Applied Geophysics	4		
EGGS 493	Senior Research in Geosciences	3		
MARSCI 250	Wetlands Ecology (or other approved Marine Science courses)	3		

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 453	Teaching Sci. Sec. (<i>full 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 (27 credits)			
ENGLISH 101	Foundations of College Writing	3	
ENGLISH ____	Literature (151, 152, 156, 221, 226, 227, 236, 237, 246, 247, or 286)	3	
MATH ____	Math 123, 141, or EGGS 150	3	
MATH ____	Math 123, 141, or EGGS 150	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.

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	
EXERSCI 211	Methods and Materials in Elementary School Physical Education	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			
<i>BIOLOGY 114</i>	<i>Concepts Biology 1</i>	1	
<i>CHEM 115</i>	<i>Chemistry for Sciences 1</i>	1	
<i>EGGS 150</i>	<i>Quantitative Methods in Earth Science</i>	3	
<i>MATH ____</i>	<i>Math 123 or 141</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			
<i>BIOLOGY 114</i>	<i>Concepts Biology 1</i>	3	
<i>CHEM 115</i>	<i>Chemistry for Sciences 1</i>	3	
Goal 6: Social Sciences; minimum 5 GEPs, from minimum of 2 disciplines			
<i>EDFOUND 206</i>	<i>Teachers, Schools, & 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			
<i>EXERCI 211</i>	<i>Methods and Materials in Elementary School Physical Education</i>	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 d l k p x c p g @ l m q q o w Q f w l i g p g t c m a g f w e c v k p p "](#) for more info about GEPs

General Education Requirements:

Course #	Course Name	Sem/Yr	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
			7 GEPs ***	2 GEPs *	5 GEPs **	5 GEPs **	5 GEPs **	5 GEPs **	5 GEPs **	2 GEPs *	2 GEPs *	2 GEPs *
BIOLOGY 114	Concepts 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
EGGS 100	Introduction to Environmental Science						3					
EGGS 150	Quantitative Methods in Earth Science				3							
ENGLISH 101	Foundations of College Writing		3									
ENGLISH ____	Literature (151, 152, 156, 221, 226, 227, 236, 237, 246, 247, or 257)		1						2			
EXERCISE 211	Methods and Materials in Elementary School Physical Education		1								2	
LANGUAGE	Language									2		
MATH 123	Essentials of Calculus				3							
MATH 141	Introduction to Statistics				3							
MUSIC 101/105	Music Listening/Music Literature								3			
PHIL 111	Introduction to Philosophy								3			
PHYSICS 110	Introduction to Astronomy						3					
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