

# B.S.ED.: MATHEMATICS: 120-122 credits (Summer 2012>)

Student Name: \_\_\_\_\_ Student ID#: \_\_\_\_\_

Required by Math for Secondary Ed. Major (46 credits)				
Course Number	Course Title	Cr.	Plan	
INTSTUDY 100	University Seminar for Math Students	1		
MATH 125	Calculus I	3		
MATH 126	Calculus II	3		
MATH 185	Discrete Math	3		
MATH 225	Calculus III	3		
MATH 226	Calculus IV	3		
MATH 231	College Geometry	3		
MATH 241	Probability and Statistics	3		
Pick one	MATH 310	Abstract Algebra	3	
	MATH 421	Advanced Calculus		
MATH 314	Linear Algebra	3		
MATH 360	Number Theory	3		
MATH _____	Any one Math course numbered 308 or higher. MATH 311 is strongly recommended.	3		
MATH _____	Any one Math course numbered 308 or higher.	3		
MATH 410	Mathematical Modeling	3		
Choose one option				
Pick one	COMPSCI 121 and COMPSCI 122		8	
	COMPSCI 121 and any CS course 300 or higher		7	
	COMPSCI 123 and COMPSCI 223		6	

Required by Education (40 credits)				
COMMSTUD 103/104	Public Speaking or Interpersonal Communication	3		
EDFOUND 204	Educational Technology	3		
EDFOUND 206	Teachers, Schools & Society	1		
EDFOUND 251	Psychological Foundations of Ed.	3		
EDFOUND 291	Principles of Teaching	3		
EDFOUND 311	Classroom Meas. & Assessment	3		
EDFOUND 406	Multicultural Education	3		
EDFOUND 427	Classroom Mgt. & Eff. Discipline	3		
EDFOUND 497	Student Teaching: 1 <sup>st</sup> Experience	6		
EDFOUND 498	Student Teaching: 2 <sup>nd</sup> Experience	6		
PROFSTUD 320	PDS (replaces EDFOUND 311 & SECED 452, if scheduled)	6		
PSYCH 101	General Psychology	3		
SECED 452	Tchg. Math in Sec. Sch. ( <i>spring only</i> )	3		

Required by PDE (21 credits)				
ENGLISH 101	Foundations of College Writing I	3		
ENGLISH _____	Literature (236, 237, 246, or 247)	3		
PROFSTUD 494	ELL Strategies	3		
PSYCH 212	Adolescent Psychology	3		
SPECED 101	Introduction to Except. Individuals	3		
SPECED 275	Linking Assessment	3		
SPECED 358	Methods of Instruction for Students with Disabilities	3		

Free Elective if Needed (1 credit)				
		1		

Meeting General Education Goals:				
Credit toward General Education Goals is met with General Education Points (GEPs). Courses can offer a maximum of 4 GEPs. Some courses offer GEPs toward more than one General Education 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 <a href="http://www.bloomu.edu/mycore">www.bloomu.edu/mycore</a>.</i>				
General Education Courses				
<i>Courses in italics are also listed at left.</i>				
Course Number	Course Title	GEPs	Plan	
<b>Goal 1: Communication;</b> minimum 7 GEPs, from minimum of 3 disciplines				
COMMSTUD 103/104	<i>Public Speaking or Interpersonal Communication</i>	3		
EDFOUND 291	<i>Principles of Teaching</i>	2		
ENGLISH 101	<i>Foundations of College Writing I</i>	3		
<b>Goal 2: Information Literacy;</b> minimum 2 GEPs				
EDFOUND 204	<i>Educational Technology</i>	3		
<b>Goal 3: Analysis, Quantitative Reasoning, &amp; Problem Solving;</b> minimum 5 GEPs, from minimum of 2 disciplines				
BIOLOGY 114 or CHEM 115	Concepts in Biology I or Chemistry for the Sciences 1	1		
MATH 125	<i>Calculus I</i>	2		
MATH 126	<i>Calculus II</i>	3		
<b>Goal 4: Cultures &amp; Diversity;</b> minimum 5 GEPs, from minimum of 2 disciplines				
EDFOUND 291	<i>Principles of Teaching</i>	1		
EDFOUND 406	<i>Multicultural Education</i>	2		
SPECED 101	<i>Intro to Exceptional Individuals</i>	2		
<b>Goal 5: Natural Sciences;</b> minimum 5 GEPs, from minimum of 2 disciplines				
BIOLOGY 114 or CHEM 115	Concepts in Biology I or Chemistry for the Sciences 1	3		
MATH 125	<i>Calculus I</i>	1		
PHYSICS 110	Introduction to Astronomy	3		
<b>Goal 6: Social Sciences;</b> minimum 5 GEPs, from minimum of 2 disciplines				
EDFOUND 206	<i>Teachers, Schools, and Society</i>	1		
PSYCH 101	<i>General Psychology</i>	3		
SPECED 275	<i>Linking Assessments</i>	1		
<b>Goal 7: Humanities;</b> minimum 5 GEPs, from minimum of 2 disciplines; Select MUSIC 101 or THEATRE 102 or 103 to complete this goal.				
ENGLISH _____	<i>Literature (151, 152, 156, 226, 227, 236, 237, 246, 247, or 257)</i>	2		
MUSIC 101 or THEATRE 102/103	Music Listening or Introduction to Theatre or Theatre Appreciation	3		
<b>Goal 8: Second Language Competency;</b> minimum 2 GEPs; Select one of the two options.				
ASLTERP 155	American Sign Language 1	2		
_____ 102	Competency test or any second language 102 level			
<b>Goal 9: Physical Activity &amp; Health;</b> minimum 2 GEPs				
<b>Goal 10: Responsible Citizenship;</b> minimum 2 GEPs				
EDFOUND 406	<i>Multicultural Education</i>	1		
SPECED 101	<i>Intro to Exceptional Individuals</i>	1		

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

<b>General Education Tally: Spreadsheet view</b> see <a href="http://www.bloomu.edu/mycore/requirements">http://www.bloomu.edu/mycore/requirements</a> for more info about GEPs  <b>General Education Requirements:</b>			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 *
ASLTERP 155	American Sign Language 1		1							2		
BIOLOGY 114	Concepts of Biology 1				1		3					
CHEM 115	Chemistry for Sciences I				1		3					
COMMSTUD 103/104	Public Speaking or Interpersonal Communication		3									
EDFOUND 204	Educational Technology			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 I		3									
ENGLISH ____	Literature (236, 237, 246, or 247)		1						2			
MATH 125	Calculus I				2		1					
MATH 126	Calculus II				3							
MUSIC 101	Music Listening								3			
PHYSICS 110	Introduction to Astronomy						3					
PSYCH 101	General Psychology							3				
SPECED 101	Intro to Exceptional Individuals					2						1
SPECED 275	Linking Assessments			1	1			1				
THEATRE 102	Intro. To Theatre								3			
THEATRE 103	Theater Appreciation								3			
<b>GEP Running Total (revise as needed) =</b>												
<b>Check here when GEP requirements met:</b>												

\*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.

### Additional Notes on the Secondary Education Major:

**Admission Packet, for Admission into the Teacher Education Program:** due by 60 credits, signed by your Education advisor and submitted to Teacher Education Admission Packets Coordinator, McCormick 3103B.

Forms and information available from Education Studies, McCormick 1<sup>st</sup> floor.

- Eligible test scores:** After April 2, 2012: **PAPA (Pre-service Academic Performance Assessment)**  
[www.pa.nesinc.com](http://www.pa.nesinc.com): Reading, score of 220 Writing, score of 220 Math, score of 220  
**or Praxis I:** Academic Skills Assessment **if taken on or before April 2, 2012** (and retakes until April 2, 2014):  
 Reading, score of 172 Writing, score of 173 Mathematics, score of 173

- Cumulative GPA of 3.0, with a C or better** in all professional education and specialization courses.
- 6 credits of college-level math and 6 credits in English composition and literature**
- Completion of early field experience:** five days/30 hours, non-credit, w/ appropriate diversity in contexts: forms required
- Two recommendations** from Teacher Education faculty: standardized form required
- Professional liability insurance** (available through PSEA, at [www.PSEA.org](http://www.PSEA.org))
- Tuberculosis Screening** results, from a test taken within the last two years (likely repeated before student teaching).
- A resume** that follows the sample format: format available from Education Studies
- Criminal checks:** Act 34 (Criminal Record Check) Act 151 (Child Abuse History Check)  
 Act 114 FBI Clearance: register at [www.pa.cogentid.com](http://www.pa.cogentid.com); register under Department of Education; fingerprinting available at BU bookstore.  
 Clearance are valid for 1 year for one year: will need to repeat before student teaching

### **Student Teaching—Placement Card and Eligibility Packet:**

- Student Teaching Placement Card**—intent to student teach: **for fall** student teaching, due by **February**  
**for spring** student teaching, due by **September**
- Student Teaching Eligibility Packet:** Download checklist and forms from the Student Teaching tab under Student Resources on the College of Education homepage.
- Student Teaching Eligibility Packet is due**, signed by your Education advisor, to the Student Teaching Placement Office, 3103B McCormick:  
**April 1** for fall student teaching  
**October 1** for spring student teaching