

**Education – Secondary Math/Science Option**

Student Name: \_\_\_\_\_ J# \_\_\_\_\_ Date: \_\_\_\_\_

Program Core Courses- Education –Elementary Option	Number of Credits	Prerequisite or Corequisite	Courses Completed	Courses Needed
ENGL 101 English Composition I	3			
MATH 171 Calculus I	4	MATH 162 or permission of Dept. Head		
PSYC 101 Intro to Psychology	3			
Art/Music/Foreign Language course (ART 103 History of Art I or ART 104 History of Art II or MUS 103 Music for Listeners or MUS 105 From Bach to Beethoven or MUS 106 Great Romantic Music or MUS 120 Music of Black Americans or MUS Modern American Music or Foreign Language: any 100 or 200-level course)	3			
HIST 101 US & Pennsylvania History: The Colonial Period or HIST 102 US & Pennsylvania History: The 19 <sup>th</sup> Century or HIST 103 US & Pennsylvania History The 20 <sup>th</sup> Century	3			
For Secondary Ed. Math/Physics Teachers: PHYS 111 General Physics I or PHYS 140 Mechanics, Heat and Sound <sup>1</sup>	3 3	MATH 162 or 119 or permission of Dept. Head MATH 171 or permission of Dept. Head		
For Secondary Ed. BIO, Chem or General Science Teachers: CHEM 121 College Chemistry	5-4	CHEM 110 (or permission of Dept. Head) and MATH 118		
ENGL 102 English Composition II	3	ENGL 101		
MATH 172 Calculus II	4	MATH 171		
EDUC 201 Introduction to Education	3	ENGL 101 which may be taken concurrently		
EDUC 202 Introduction to the Foundations of Education Field Experience	3			
Literature Elective or HUM 101 Cultural Traditions or HUM 102 Cultural Traditions <sup>3</sup>	3 3 3	ENGL 101 ENGL 101 which may be taken concurrently		
EDUC 226 Technology for Teachers	3	CIS 103		
EDUC 225 Educational Psychology	3	PSYC 101		
ENGL 115 Public Speaking	3	ENGL 101 which may be taken concurrently		
For Secondary Ed. Citizenship Education Teachers: ECON 181 Principles of Economics (Macroeconomics) or ECON 182 Principles of Economics (Microeconomics)	3			
For Secondary Ed. Humanities Teachers: Humanities Elective	3			
For Secondary Ed. Citizenship Education Teachers: POLS 111 American Government	3			
For Secondary Ed. Humanities Teachers: Humanities Elective	3			
EDUC 202 Introduction to the Foundations of Education Field Experience	3			
For Secondary Ed. Citizenship Education Teachers:				

**Education – Secondary Math/Science Option**

GEOG 101 Introduction to Geography or	3			
GEOG 103 Cultural Geography or	3			
GEOG 180 Urban Geography or	3			
GEOG 222 World Regional Geography <sup>2</sup>	3	GEOG 101 or 103		
For Secondary Ed. Humanities Teachers:	3			
SOC 101 Introduction to Sociology or ANTH 112 Cultural Anthropology or GEOG 101 or 103 or 180 or 222 <sup>2</sup>	3			
PSYC 215 Developmental Psychology or Child Psychology	3			
Foreign Language or other Humanities or Social Science course (additional American History recommended) <sup>2</sup>	3			
Foreign Language or other Humanities or Social Science course <sup>2</sup>	3			

Total to Graduate: 64 credits minimum

<sup>1</sup>Or higher mathematics courses selected in consultation with an advisor.

<sup>2</sup>Consult with advisor and use transfer worksheets to determine the best science, humanities, or social science course choice.

<sup>3</sup> Literature is strongly recommended; consult with advisor and use transfer worksheets for best choice of course.