SECONDARY EDUCATION (SECONDARY EDUCATION MATH) - BACHELOR OF SCIENCE IN EDUCATION

General education and professional education requirements are similar for all degree programs in the College of Health, Education, and Social Transformation. Students should meet with an advisor to plan appropriate general education courses for a secondary education major. The below programs are labeled as Concentrations in the catalog and on student transcripts, but are also recognized at "Teaching Fields" for the Teacher Education Program. Students should meet with the College of Education Educational Support and Resource Center for degree progress.

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 120 credits with 48 credits in courses numbered 300 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

All students wishing to complete a degree in Secondary Education must apply to the Teacher Education Program. Additional information on the application process can be obtained from the College of HEST Educational Support and Resource Center or on the **departmental website**. A 2.75 minimum GPA is required for admission to the Teacher Education Program and graduation. Students must pass all TEP prerequisites/co-requisites with a grade of C- or better.

Prefix	Title	Credits
General Education		
Area I: Communications		
English Composition - Level 1		
ENGL 1110G	Composition I [1]	4
English Composition - Level 2		
Choose one from the following: [1]		3
ENGL 2130G	Advanced Composition	
ENGL 2215G	Advanced Technical and Professional Communication	
ENGL 2221G	Writing in the Humanities and Social Science	
Oral Communication		
Choose one from the following:		3
COMM 1115G	Introduction to Communication	
COMM 1130G	Public Speaking	
ACOM 1130G	Effective Leadership and Communication in Agriculture	
Area II: Mathematics		
MATH 1511G	Calculus and Analytic Geometry I [2]	4
Area III/IV: Laboratory Sciences and Social/Behavioral Sciences		
Choose one from the following:		4
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	
Choose one from the following:		4
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab	
PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	
CEPY 1120G	Human Growth and Behavior	3
Area V: Humanities		
HIST 1110G	United States History I	3
or HIST 1120G	United States History II	
Area VI: Creative and Fine Arts		
Choose one from the following:		3
ARTH 1115G	Orientation in Art	
DANC 1110G	Dance Appreciation	
MUSC 1110G	Music Appreciation: Jazz	
MUSC 1130G	Music Appreciation: Western Music	
THEA 1110G	Introduction to Theatre	
General Education Elective		
HIST 1150G	Western Civilization I	3
or HIST 1160G	Western Civilization II	
Viewing a Wider World		
LIBR 311V	Information Literacy	3
	The 2nd VWW requirements will be satisfied with the concentration/teaching field courses [3]	
Departmental/College Requirements		
Education Core Courses		
EDUC 1185	Introduction to Secondary Education and Youth [1,4]	3
EDUC 3120	Multicultural Education [1]	3
SPED 3105	Introduction to Special Education in a Diverse Society [1]	3
EDLT 3110	Integrating Technology with Teaching [1]	3
EDUC 3997	Secondary Field Experience [1,4]	3
BLED 3120	Sheltered English Instruction for the ESL Classroom [5]	3
EDUC 4510	Data Literacy and Assessment [5]	3
EDUC 4520	Contemporary Issues in Education [4,5]	3
EDUC 4420	Teaching Mathematics at the Middle and High School Level [4,5]	3
READ 4330	Content Area Literacy [5]	3
SPED 4150	Secondary Curriculum, Methods, and Materials for Special Education in a Diverse Society [5]	3
Student Teaching		
EDUC 4820	Secondary Student Teaching [5]	9
EDUC 4821	Middle and High School Student Teaching Seminar [5]	3
Math Concentration/Teaching Field Courses		
MATH 2530G	Calculus III	3
C S 111	Computational Thinking for Solving Problems	4
E T 182	Introduction to Digital Logic	2
MATH 1531	Introduction to Higher Mathematics	3
MATH 2415	Introduction to Linear Algebra	3
STAT 3110	Statistics for Engineers and Scientists	3
or A ST 311	Statistical Applications	
Math elective 300/3000+		3
Math elective 300/3000+		3
Math elective 300/3000+		3
Non-Departmental Requirements		
MATH 1521G	Calculus and Analytic Geometry II	4
Choose one from the following:		3

ECON 1110G	Survey of Economics	
ECON 2110G	Macroeconomic Principles	
ECON 2120G	Principles of Microeconomics	
Choose one from the following:		3
ANTH 1140G	Introduction to Cultural Anthropology	
ANTH 1115G	Introduction to Anthropology	
ANTH 1160G	World Archaeology	
GEOG 1120G	World Regional Geography	
GEOG 1130G	Human Geography	
POLS 1120G	American National Government	
POLS 1110G	Introduction to Political Science	
POLS 1130G	Issues in American Politics	
POLS 2120G	International Relations	
SOCI 1110G	Introduction to Sociology	
SOCI 2310G	Contemporary Social Problems	
Second Language: (not required)		
Electives, to bring the total credits to 120		**1**
Total Credits		**120**

[1] Courses are prerequisites/co-requisites for Teacher Education Program (TEP)

[2] MATH 1511G Calculus and Analytic Geometry I is required for the degree but students may need to take any prerequisites needed to enter MATH 1511G first.

[3] The 9 credits of Upper-Division MATH courses that are apart of the Concentration/Teaching Field coursework will meet the 2nd VWW requirement.

[4] Courses require Field Experience

[5] Courses require admission to the TEP