



High School Mathematics Education (Grades 9-12) and Mathematics, Double Major Bachelor of Arts Degree

(Minimum of **128** credit hours required for Bachelor of Arts degree)
Last **30** credit hours must be from Maryville University

Name: _____ Reviewer: _____ Date: _____

I. General Education Requirements (45 Hours)	Credits	SEM/YR	Grade	Notes
A. Humanities (9)				
Fine Arts Elective (Art, Music, Performance) (3)				
Literature Elective (3)				
Multicultural Elective (Study Abroad, Foreign Language, other) (3)				
B. Literacy (6)				
ENGL 101 Writing I: The Writing Process (3)				
ENGL 104 Writing II: Research & Argument (3)				
C. Mathematics (6)				
	Counted Below in Content Requirements			
	Counted Below in Content Requirements			
D. Science (6)				
SUST 101 Intro to Sustainability (Fall Only), SCI 131 Nutrition or SCI 132 Energy in Our World (3) or SYST 201 Environmental Science				
SUST 150 Sust. Exploration Seminar, SUST 350 Sust. Expedition Or SCI Elective with a Lab or Lab Experience (3 or 4)				
E. Social Science (12)				
EDUC 220 Economic Geography (3) Fall & Spring				
HIST121 U.S. History to 1877 or HIST122 U.S. History since 1877 (3)				
PSCI 101 American Government (3)				
PSYC 254 Human Development through the Lifespan (3)				
F. Electives (9)				
#1 EDUC 100 Introduction to Schooling - (1 st Year Requirement) (3)				
#2 INTD 101 University Seminar – (1 st Year Requirement) (3)				
Total General Education Hours Counted Here (39)				

Notes:

Extra General Education Courses - Courses that do not match the general education categories above, but may be counted toward this degree				

Notes:

Candidates have the opportunity for certification testing in another subject area and/or additional grade bands. There are also several bridge programs available for students interested in a five-year program that include a Master's Degree and in most cases a second area of certification. Please ask your faculty mentor for additional information.

II. Professional Education Requirements	Credits	SEM/YR	Grade	Notes
A. Education Courses (30 Hours)				
EDUC 201 School & Society (3)				
EDUC 239 Fundamentals of Secondary Teaching				
EDUC 241 Fundamentals of Secondary Schools (3)				
EDUC 313/513 Adolescent Development & Learning				
EDUC 315/515 Educational Psychology: Learning & Management (3)				
EDUC 321/521 Literacy Across the Academic Disciplines: Secondary (3)				
EDUC 361/561 Instructional Interventions in Reading: Secondary (3)				
EDUC 352/552 Education/Psychology of the Exceptional Child (3)				
EDUC 431/532 Teaching Math Methods: Secondary (3)				
EDUC 404/504 Professional Seminar (3)				
B. Practicum Experiences (20 Hours)				
EDUC 200 Practicum in School & Society (2)				
EDUC 240 Practicum in Fundamentals of Secondary Schools (2)				
EDUC 320 Practicum in Literacy Across the Academic Disciplines (2)				
EDUC 360 Practicum in Instruct. Interventions in Reading: Secondary (2)				
EDUC 430 Setting up School Experience plus Practicum in Teaching Mathematics Methods: Secondary (2)				
EDUC 400 Student Teaching (10)				
Total Professional Hours (50 Credit Hours Required)				
Professional Education GPA (3.0 Required)				

Notes:

III. Content Requirements	Credits	SEM/YR	Grade	Notes
COSC 151 C++ Programming (Spring Only) (3)				
MATH 151 Calculus I (Pre-Rec. MATH 125 College Algebra /Trig.) (Fall, Spring) (4)				
MATH 152 Calculus II (Fall, Spring) (4)				
MATH 251 Calculus III (Fall Only) (4)				
MATH 300 Algebraic Structure and Proofs (Odd Spring Years) (3)				
MATH 312 Number Theory with Applications (Even Fall Years) (3)				
MATH 316 Applied Linear Algebra (Fall Only) (3)				
MATH 320 Applied Differential Equations (3) Every Spring				
MATH 330 Euclidean & Non-Euclidean Geometry (Even Spring Years) (3)				
MATH 370 Mathematical Statistics I (Fall, Spring) (3)				
MATH 371 Mathematical Statistics II (Spring Only) (3)				
MATH 498 Math History (Odd Fall Years) (3)				
Total Content Hours (39 Credit Hours Required)				
Content Education GPA (3.0 Required)				
Cumulative GPA (2.75 Required)				

Notes:

Other Responsibilities Checklist

Candidates Must Provide or Take:	Required by:	Required by:	Approximate Date		
			Completed	Passed all Sections	Posted in CANVAS
Practicum Documentation	Mo Public Schools & SOE	April 15 th – 25 th of the Freshman, Sophomore & Junior Years		N/A	
MEP - Missouri Educator Profile	Missouri (MEGA)	Nov. 1 st Sophomore Year		N/A	
MoGEA - Missouri General Education Assessment	Missouri (MEGA)	Oct. 15 th of the Sophomore Year			
School of Education Admittance Application	School of Education (SOE)	April 25 th Sophomore Year		N/A	
Student Teaching Application	School of Education (SOE)	March 1 st Junior Year		N/A	
MoCA - Missouri Content Assessment (Called MEGA in some cases)	Missouri (MEGA)	March 1 st Junior Year			
MoPTA - Missouri Pre-Service Teacher Assessment	Missouri (MEGA)	During Student Teaching Senior Year			

Note: The application for the School of Education and Student Teaching can be found in the SOE Pre-service Students CANVAS course. Upon completion these documents should be uploaded there as well. All of your MEGA results should be uploaded to the same CANVAS course. These can be a screenshot taken from your iPad or phone.

Notes:



MARYVILLE
UNIVERSITY

Mathematics & High School Mathematics Education (Grades 9-12), Double Major Bachelor of Arts Degree

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High School Mathematics Degree Planner

<u>Fall of Freshman Year</u>	Credits	<u>Spring of Freshman Year</u> Practicum documentation must be completed April 15th – 25th	Credits
General Education Elective #1 (EDUC 100 Recommended) (3)		EDUC 220 Economic Geography (3)	
General Ed Elective #2 (INTD 101 Req. First Year Students) (3)		General Education/Content Course (3)	
General Education/Content Course (3)		General Education/Content Course (3)	
General Education/Content Course (3)		General Education/Content Course (3)	
General Education/Content Course (3)		General Education/Content Course (3)	
Total 15		Total 15	
Notes:		Notes:	
<u>Fall of Sophomore Year</u> MoGEA must be taken, passed and posted by October 15th MEP must be taken and posted by November 1st	Credits	<u>Spring of Sophomore Year</u> SOE Application must be completed and posted by April 25th Practicum documentation must be completed April 15th – 25th	Credits
EDUC 201 School and Society (3)		EDUC 241 Fundamentals of Secondary Schools (3)	
EDUC 200 Practicum in School & Society (2)		EDUC 240 Prac. in Fundamentals of Secondary Schools (2)	
EDUC 239 Fundamentals of Secondary Teaching (3)		General Education/Content Course (3)	
EDUC 313/513 Adolescent Development & Learning (3)		General Education/Content Course (3)	
General Education/Content Course (3)		General Education/Content Course (3)	
General Education/Content Course (3)		General Education/Content Course (3)	
Total 17		Total 17	
Notes:		Notes:	
<u>Fall of Junior Year</u>	Credits	<u>Spring of Junior Year</u> Student Teaching Application completed and posted by March 1st MoCA (MEGA) must be taken, passed and posted by March 1st Practicum documentation must be completed April 15th – 25th	Credits
EDUC 321/521 Literacy Across the Acad. Disciplines: Sec. (3)		EDUC 361/561 Instructional Interventions in Reading: Sec. (3)	
EDUC 320 Prac in Literacy Across the Academic Disciplines (2)		EDUC 360 Prac. in Instr. Interventions in Reading: Sec. (2)	
EDUC 315/515 Educ/Psychology: Learning & Management (3)		EDUC 352/552 Education/Psych. of the Exceptional Child (3)	
General Education/Content Course (3)		General Education/Content Course (3)	
General Education/Content Course (3)		General Education/Content Course (3)	
General Education/Content Course (3)		General Ed Elective #3 (EDUC 301 Recommended) (3)	
Total 17		Total 17	
Notes:		Notes:	
<u>Fall of Senior Year</u> EDUC 430 includes 30 hours of Setting Up School Experience. These hours should be arranged with your CT prior to August and should be spent shadowing and helping your CT before the students' first day of school (This experience should include but is not limited to district meeting days, district professional development, setting up the classroom etc.).	Credits	<u>Spring of Senior Year</u> We strongly recommend these 13 hours <u>only</u> during this semester	Credits
EDUC 431/532 Teaching Math Methods: Secondary (3)		EDUC 404/504 Professional Seminar (3)	
EDUC 430 Setting up School Experience plus Practicum in Teaching Mathematics Methods: Secondary (2)		EDUC 400 Student Teaching (10)	
General Education/Content Course (3)			
General Education/Content Course (3)			
General Education/Content Course (3)			
EDUC 301 Peer Tutoring, EDUC 416/616 Differentiating Learning or EDUC 468/668 Behavior Management – (3)			
Total 17		Total 13	
Notes:		Notes:	

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Note: