



MARYVILLE
UNIVERSITY

HIGH SCHOOL MATH DOUBLE MAJOR

Minimum of **128** credit hours required for a Bachelor of Science degree.
Last **30** credit hours must be from Maryville University

NAME: _____ REVIEWER: _____ DATE: _____

I. MCORE (36 Hours)	Credits	SEM/YR	Grade	Notes
A. Social Discovery (6)				
CORE 101 Discovering Community	3			
Student Choice – PSYC 254 Required	3			
CORE 401 Senior Capstone				In Major: EDUC 404/504
B. Civic Discovery (6)				
CORE 201 Discovering the Nation	3			
Student Choice	3			
C. Cultural Discovery (6)				
CORE 301 Discovering the World	3			
Student Choice	3			
D. Creative Discovery (9)				
COMP 104 Writing Across the Disciplines II	3			
Student Choice – COMP 101 if needed	3			
Student Choice	3			
F. Scientific Discovery (9)				
CORE 102 Everyday Data	3			
Student Choice	3			
Student Choice	3			
II. Major Requirements (92 Hours)	Credits	SEM/YR	Grade	Notes
EDUC 100 Introduction to Schooling	3			
EDUC 201 School & Society	3			
EDUC 239 Fundamentals of Secondary Teaching	3			
EDUC 241 Fundamentals of Secondary Schools	3			
EDUC 313/513 Adolescent Development & Learning	3			
EDUC 315/515 Educational Psychology: Learning & Management	3			
EDUC 321/521 Literacy Across the Academic Disciplines: Secondary	3			
EDUC 352/552 Education/Psychology of the Exceptional Child	3			
EDUC 361/561 Instructional Interventions in Reading: Secondary	3			
EDUC 431/532 Teaching Math Methods: Secondary	3			
EDUC 404/504 Professional Seminar	3			
EDUC 200 Practicum in School & Society	2			
EDUC 240 Practicum in Fundamentals of Secondary Education	2			
EDUC 320 Practicum in Literacy Across the Academic Disciplines	2			
EDUC 360 Practicum Instructional Interventions in Reading: Secondary	2			
EDUC 430 Setting up School Experience plus Practicum in Teaching Math Methods: Secondary	2			
EDUC 400 Student Teaching	10			
DSCI 200 Foundations of Data Science or DSCI 201 Math Modeling – Excel	3			
COSC 151, DSCI 302, DSCI 303, or DSCI 304	3			
MATH 151 Calculus I	4			
MATH 152 Calculus II	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 (Spring Only)	3			
MATH 330 Euclidean & Non-Euclidean Geometry (Even Spring Years)	3			
MATH 370 Mathematical Statistics I	3			
MATH 371 Mathematical Statistics II	3			
Degree Total	128			

SAMPLE COURSE PLAN

This is an example of the sequence of course work to complete this major.

Fall of Freshman Year	Credits	Spring of Freshman Year	Credits
CORE 101: Discovering Community	3	CORE 201: Discovering the Nation	3
COMP 101: Writing Across the Disciplines I	3	COMP 104: Writing Across the Disciplines II	3
MATH Course	4	Math Course	4
EDUC 100: Introduction to Education	3	PSYC 254: Human Development through the Lifespan	4
CORE 102: Everyday Data	3	MCORE - Student Choice	4
Total	16	Total	16
Fall of Sophomore Year	Credits	Spring of Sophomore Year	Credits
CORE 301: Discovering the World	3	EDUC 241: Fundamentals of Secondary Schools	3
EDUC 201: School and Society3	3	EDUC 240: Practicum in Fundamentals of Secondary Schools	2
EDUC 200: Practicum in School & Society	2	Math Course	3
EDUC 239: Fundamentals of Secondary Teaching	3	Math Course	3
EDUC 313/513: Adolescent Development & Learning	3	MCORE - Student Choice	3
Math Course	4	MCORE - Student Choice	3
Total	18	Total	17
Fall of Junior Year	Credits	Spring of Junior Year	Credits
EDUC 321/521: Literacy Across the Academic Disciplines	3	EDUC 361/561: Instructional Interventions in Reading: Sec	3
EDUC 320: Practicum in Literacy Across the Academic Disciplines	2	EDUC 360: Pract. in Instructional Interventions in Reading: Sec	2
EDUC 315/515: Ed/Psych: Learning and Management	3	EDUC 352/552: Ed/Psych of the Exceptional Child	3
Math Course	3	Math Course	3
Math Course	3	DSCI Course	3
MCORE - Student Choice	3	MCORE - Student Choice	3
Total	17	Total	17
Fall of Senior Year	Credits	Spring of Senior Year	Credits
EDUC 431/532 Teaching Math Methods: Secondary	3	CORE 401: EDUC 404 Professional Seminar	3
EDUC 430 Setting up School Experience plus Practicum in Teaching Math Methods: Secondary	2	EDUC 400: Student Teaching	10
Math Course	3		
Math Course	3		
DSCI Course	3		
Total	14	Total	13

Notes: