



MARYVILLE
UNIVERSITY

Middle Level Science Education (Grades 5 - 9)
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)				
MATH 125 College Algebra and Trigonometry (Prerequisite: MATH 116) (3)				
MATH 102 Everyday Statistics (3) Fall or Spring				
D. Science (6)				
SCI 131 Nutrition or SCI 132 Energy in Our World	Counted Below in Content Requirements			
SCI Elective with a Lab or Lab Experience	Counted Below in Content Requirements			
E. Social Science (12)				
EDUC 220 Economic Geography (3) Fall & Spring				
HIST121 American History to 1877 or HIST122 American History since 1877 (3)				
PSCI 101 American Government (3)				
*PSYC 254 Human Development through the Lifespan (3)				
F. Electives (21)				
#1 EDUC 100 Introduction to Schooling - (1 st Year Requirement) (3)				
#2 INTD 101 University Seminar – 1 st Year Requirement) (3)				
#3 Science Elective or EDUC 301 Peer Tutoring (3)				
#4 Science Elective or EDUC 416/616 Differentiation for All Learners (3)				
#5 Science Elective or EDUC 468/668 Behavior Management (3)				
#6 Science Elective (3)				
#7 Science Elective (3)				
Total General Education Hours Counted Here (54)				

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 (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 361/561 Instructional Interventions in Reading: Secondary (3)				
EDUC 352/552 Education/Psychology of the Exceptional Child (3)				
EDUC 441/542 Teaching Science 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 440 Setting up School Experience plus Practicum in Teaching Science 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
PHYS 103 General Physics I or PHYS 153 Calculus Based Physics I (3 or 4)				
SCI 309 Geology, SCI 386 Geology of MO, PHYS 105 Astronomy, SCI 222 Meteorology, SCI 301 Physical Geography, SCI 132 Energy in Our World (3 or 4)				
BIOL 117 General Biology I (4)				
BIOL 118 General Biology II (4)				
CHEM 103 General Chemistry I (4)				
Science Electives – A minimum of 4 credit hours from the course list below				
Elective #1 (3 or 4)				
Elective #2 – if necessary (3 or 4)				
Total Content Hours (24 Credit Hours Required)				
Content Education GPA (3.0 Required)				
Cumulative GPA (2.75 Required)				

Notes:

Science Electives

SCI 105	Astronomy		
SCI 120	Physics of Light & Sound Waves	SCI 140	History & Science of Science
SCI 131 (H)	Nutrition	SCI 132 (H)	Energy in Our World
SCI-133 (H)	Science of Sports	SCI 133H will run Spring 2019	
SCI 140	History & Philosophy of Science	SCI 208H	Global Infections
SCI 222	Meteorology	SCI 309	Geology (4)
SCI 337	Intro to Geographic Information Systems (3)	SCI 401	Research (3)
SUST 101	Intro to Sustainability	SUST 150	Sust. Exploration Seminar
SUST 201	Environmental Science & Health	SUST 350	Sustainability Expedition
SUST 375	Strategies in Sustainability	SUST 499	Sustainability Internship
BIO 101	A & P I	BIO 102	A & P II
BIO 216	Plants & People **		
BIO 220	Exercise Science	BIO 260	Genetics
BIO 270	Evolution		
BIOL-115-01	Intro Human Anatomy & Physiology		
Chem 104	General Chem 2	PHYS 104	General Physics 2
Chem 120	Gen, Organic & Biochemistry		

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	February 1 st of the Freshman, Sophomore & Junior Years		N/A	
MoGEA - Missouri General Education Assessment	Missouri (MEGA)	March 1 st of the Sophomore Year			
School of Education Admittance Application	School of Education (SOE)	April 1 st Sophomore Year		N/A	
Student Teaching Application	School of Education (SOE)	February 1 st Junior Year		N/A	
MoCA - Missouri Content Assessment (Called MEGA in some cases)	Missouri (MEGA)	March 1 st Junior Year			
MEES Assessment and Maryville Artifacts	Missouri & SOE	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:

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Middle Level Science Degree Planner

<u>Fall of Freshman Year</u>	Credits	<u>Spring of Freshman Year</u> Practicum documentation must be completed February 1st	Credits
General Ed Elective #1 (EDUC 100 Recommended) (3)		MATH 207 Algebra for Educators (3)	
General Ed Elective #2 (INTD 101 Req. First Year Students) (3)		EDUC 220 Economic Geography (3)	
Science Course with Lab (4)		General Education/Content Course (3)	
General Education/Content Course (3)		General Education/Content Course (3)	
General Education/Content Course (3)		Science Course with Lab (4)	
Total 16		Total 16	
Notes:		Notes:	
<u>Fall of Sophomore Year</u>	Credits	<u>Spring of Sophomore Year</u> MoGEA must be taken, passed and posted by March 1st SOE Application must be completed and posted by April 1st Practicum documentation must be completed February 1st	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)		Science Course with a Lab (4)	
EDUC 313/513 Adolescent Development & Learning (3)		General Education/Content Course (3)	
Science Course with a Lab (4)		General Education/Content Course (3)	
General Education/Content Course (3)		General Education/Content Course (3)	
Total 18		Total 18	
Notes:		Notes:	
<u>Fall of Junior Year</u>	Credits	<u>Spring of Junior Year</u> <u>Spring of Junior Year</u> Student Teaching Application completed and posted by February 1st MoCA (MEGA) must be taken, passed and posted by March 1st Student Teaching documentation must be completed February 1st	Credits
EDUC 321/521 Literacy Across the Academic 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 Instructional Interventions in Reading: Sec. (2)	
EDUC 315/515 Educ/Psychology: Learning & Management (3)		EDUC 352/552 Education/Psychology 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)	
Total 14		Total 17	
Notes:		Notes:	
<u>Fall of Senior Year</u> EDUC 440 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 441/542 Teaching Science Methods: Secondary (3)		EDUC 404/504 Professional Seminar (3)	
EDUC 440 Setting up School Experience plus Practicum in Teaching Science 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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Notes: