MARYVILLE UNIVERSITY

High School Biology Education and General Science (Grades 9-12)
Bachelor of Arts Degree

(Minimum of **130** credit hours required for Bachelor of Arts degree)
Last **30** credit hours must be from Maryville University

Name: _____ Reviewer: _____ Date: _____

I. General Education Requirements (42 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 & Trig or MATH 151 Calculus I (3 or 4)				
MATH 141 Elementary Statistics (3)				
D. Science (6)				
SUST 101 Intro to Sustainability (Fall Only), SCI 131 Nutrition or SCI 132 Energy in Our World or SYST 201 Environmental Science (3)	Counted Below in Content Requirements			
SUST 150 Sust. Exploration Seminar, SUST 350 Sust. Expedition Or SCI Elective with a Lab or Lab Experience (3 or 4)	Counted Below in Content Requirements			
E. Social Science (9)				
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 (9)				
#1 EDUC 100 Introduction to Schooling - (1st Year Requirement) (3)				
#2 INTD 101 University Seminar – (1st Year Requirement) (3)				
Total General Education Hours Counted Here (36 Required)				

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 352/552 Education/Psychology of the Exceptional Child (3)				
EDUC 361/561 Instructional Interventions in Reading: Secondary (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)				
Cumulative GPA (2.75 Required)				

Notes:

III. Content Requirements	Credits	SEM/YR	Grade	Notes
SCI 309 Geology (4), SCI 132 Energy in Our World (3), SCI 301 Physical Geology (3) or SCI 222 Meteorology (3)				
SCI 105/PHYS 105 Astronomy (3)				
SCI 140 History and Philosophy of Science (3)				
BIO 117 General Biology I (4) Fall & Spring				
BIO 118 General Biology II (4) Spring Only				
BIO 260 General Genetics (4) Fall Only				
BIO 270 Evolution (4) Spring Only				
BIO 314 General Botany (4) Spring of Odd Years or BIO 351 Cell Biology (4) Spring Only				
CHEM 103 General Chemistry I (4)				
CHEM 104 General Chemistry II (4)				
PHYS 103 General Physics I or PHYS 153 Calculus Based Physics I (4)				
BIO 352 General Ecology (3), SUST 101 Introduction to Sustainability (3), SUST 201 Environmental Sustainability & Health (3), SUST 350 Sustainability Expedition (3) or SUST 150 Sustainability Exploration Seminar (3)				
Total Content Hours (43 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	February 1st of the Freshman, Sophomore & Junior Years		N/A	
MoGEA - Missouri General Education Assessment	Missouri (MEGA)	March 1st of the Sophomore Year			
School of Education Admittance Application	School of Education (SOE)	April 1st Sophomore Year		N/A	
Student Teaching Application	School of Education (SOE)	February 1st Junior Year		N/A	
MoCA - Missouri Content Assessment Must Take Both (Biology & General Science) (Called MEGA in some cases)	Missouri (MEGA)	March 1st 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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High School Biology and General Science Degree Planner

Fall of Freshman Year	Credits	Spring of Freshman Year Practicum documentation must be completed February 1st	Credits
General Education Elective #1 (EDUC 100 Recommended) (3)		Science Elective with Lab (4)	
General Ed Elective #2 (INTD 101 Req. First Year Students) (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)	
General Education/Content Course (3)		General Education/Content Course (3)	
Total 16		Total 16	
Notes:		Notes:	
Fall of Sophomore Year	**Credits**	**Spring of Sophomore Year** 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 Practicum in Fundamentals of Secondary Schools (2)	
EDUC 239 Fundamentals of Secondary Teaching (3)		Science Course with a Lab (4)	
EDUC 313/513 Adolescent Development & Learnng (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:	
Fall of Junior Year	**Credits**	**Spring of Junior Year** Student Teaching Application completed and posted by February 1st MoCA (MEGA) must be taken, passed and posted by March 1st Practicum 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)	
Science Course with a Lab (4)		Science Course with a Lab (4)	
Science Course with a Lab (4)		General Education/Content Course (3)	
		General Education/Content Course (3)	
Total 16		Total 18	
Notes:		Notes:	
Fall of Senior Year 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**	**Spring of Senior Year** We strongly recommend these 13 hours only 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)	
Science Elective with Lab (4)			
General Education/Content Course (3)			
EDUC 301 Peer Tutoring, EDUC 416/616 Differentiating Learning or EDUC 468/668 Behavior Management – (3)			
Total 15		Total 13	
Notes:		Notes:	

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Notes: