

**Bachelor of Science in Education (BSE) 2022-23 AY****Biology (9-12)****Major Code ES09****CIP Code: 131205****Cr Hrs**

<b>General Education CORE 42 Requirements 42*</b>		<b>26</b>
Area 1A	Social & Behavioral Sciences (PSY 100 3 HRS)	3
Area 1B	Civic Engagement	3
Area 2A	Written Communication	6
Area 2B	Oral Communication	3
Area 3A	Natural Science Non-Lab (CHEM 140)	0
Area 3B	Natural science With Lab (BIO 180)	0
Area 4	Mathematics (MATH 140)	0
Area 5A	Humanities	6
Area 5B	Fine Arts	3
Area 5C	Global Competencies(EDUC 280)	0
Area 5D	Health and Wellness	2
<b>UE 100</b>	<b>First Year Experience**</b>	<b>1</b>
<b>Supporting Requirements (C or better)</b>		<b>11</b>
EDUC 100	Introduction to Teacher Education I	3
PSY 100	General Psychology*	3
MATH 140	Algebra and Trigonometry*	5
<b>Professional Education (3.0 GPA/C or better)</b>		<b>34</b>
EDUC 280	Education in a Global Society*	3
EDUC 302	Exceptional Child	3
EDUC 321	Microteaching#	1
EDUC 329	Pedagogical Theory, Methods & Practices#	4
EDUC 333	Teaching Science in Middle & Secondary School	3
EDUC 380	Theories of Teaching English as a 2nd Language	3
OR		
EDUC 480	Instructional Techniques for Teaching ELL (3)	
EDUC 422	Content Area Literacy I:Sec/Mid School	3
EDUC 423	Classroom Management#	3
EDUC 424	Content Area Literacy II: Sec/Mid School	3
EDUC 429	Assessment of Student Learning	3
EDUC 432	Critical Issues	2
PSY 310	Educational Psychology	3
<b>Content Knowledge (3.0 GPA/C or better)</b>		<b>44</b>
BIO 108	Principles of Biology I	3
BIO 109	Principles of Biology I Lab	1
BIO 111	Principles of Biology II	4
BIO 180	Essential Anatomy & Physiology I*	4
BIO 210	Molecular Cell Biology	4
BIO 231	General and Medical Microbiology	5
BIO 305	Genetics	4
BIO 402	General Ecology	4
CHEM 140	General Chemistry I	3
CHEM 141	General Chemistry I lab	1
GEOL 120	Introduction to Geology	4
PHIL 420	Philosophy of Science	3
PHYS 160	Elementary College Physics I	4
<b>Field &amp; Clinical Experience (3.0 GPA/C or better)</b>		<b>10</b>
EDUC 462	Student Teaching	10
<b>Testing</b>		<b>Passing Score of 220</b>
MoCA	Missouri Content Assessment	
<b>Total Hours</b>	Must include at 39 upper division (300-400) hrs	<b>126</b>

\*Gen. Ed. Core 42 Requirements: Area 1A 3hrs met by PSY 100, Area 3A&B met by CHEM 140 and BIO 180 (7 hrs),  
Area 4 met by MATH 140 (3 hrs), Area 5C satisfied by EDUC 280 (3 hrs)  
ENG 250 suggested for 3 hrs of Area 5A  
# Junior Block courses