

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

General Education CORE 42 Requirements 42*		26
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
UE 100	First Year Experience**	1
Supporting Requirements (C or better)		11
EDUC 100	Introduction to Teacher Education I	3
PSY 100	General Psychology*	3
MATH 140	Algebra and Trigonometry*	5
Professional Education (3.0 GPA/C or better)		33
EDUC 280	Education in a Global Society*	3
EDUC 302	Exceptional Child	2
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
Content Knowledge (3.0 GPA/C or better)		44
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
Field & Clinical Experience (3.0 GPA/C or better)		10
EDUC 462	Student Teaching	10
Testing		Passing Score of 220
MoCA	Missouri Content Assessment	
Total Hours	Must include at 39 upper division (300-400) hrs	125

*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