

B.S.Ed. Biology (128 / 129 Credits)

Name:	ID#	Grad Date:		
Basic Skills Requirement for Candidacy				
Candidacy req: 48 credits, 3 comp, 3 lit, 6 math, 2.8 GPA, Basic Skills Testing				
Praxis II – Biology Content Test (take before student teaching, pass for certification)				
	Credits	Course	Semester	Grade
General Education Requirements				
First Year Experience	4			
WRT 120 Effective Writing	3			
WRT 200, or 204, 205, 206, 207, 208 Critical Writing	3			
Math	3	MAT 121		
Diverse Communities (I)	3	ENG 382		
Interdisciplinary (I)	3	EDF 300		
Ethics Course (E)	3	ERM 355		
Science (6 credits from two areas: CHEM, BIO, ESS, PHY, CSC)	3	ESS 101		
	3	CHE 103		
Behavior & Social Science (6 credits from two areas: ANT, SOC, PSY, ECO, GEO PSC)	3	EDP 280		
	3			
Humanities (must take a LIT course)	3	LIT /CLS		
	3			
Art	3			
Speaking Emphasis Courses (s)		SED 200		
		SED 411		
		SED 412		
Writing Emphasis Courses (w)		LIT 165		
		SED 300		
		BIO 211		
Capstone		EDS 411		
		EDS 412		
Education Major Requirements				
EDF 300 Democracy in Education	-			
EDP 280 Dev. And Psychological Perspectives in Education	-			
EDA 103 Foundations in Special Education	3			
EDA 303 Special Education for Secondary Educators	2			
LAN/ENG 382 ELL Strategies for Content Area Teachers	-			
EDR 347 Lit. Development & Sec. Students with Disabilities	3			
ERM 355 Ethical and Effective Assessment for 7-12 Learning	-			
SED 100 Introduction to Secondary Education	3			
SED 200 Field Experience for 7-12 Secondary Teachers	3			
SED 300 Principles of Teaching and Field Experience in Secondary Schools	3			
SED 360 Science Education in the Secondary School	3			

EDS 411 Student Teaching	6			
EDS 412 Student Teaching	6			
Biology Content Coursework				
BIO 110 General Biology I	4			
BIO 111 General Biology II	4			
BIO 210 Genetics	3			
BIO 210L Genetics	1			
BIO 214 General Microbiology w/Lab	4			
BIO 230 Cell Biology	4			
BIO 270 General Ecology w/ Lab	3			
BIO 412 Organic Evolution	3			
BIO Elective (300 level or above – except Bio 307 or 469)	3			
Required Supporting Math and Science Coursework				
MAT 121 Statistics	-			
Calculus (MAT 143 or 161)	3/4			
CHE 103 General Chemistry I	-			
CRL 103 Exp General Chemistry I	1			
CHE 104 General Chemistry II	3			
CRL 104 EXP Chemistry II	1			
CHE 231 Organic Chemistry I	3			
CRL 231 Exp. Organic Chemistry I	1			
PHY 130 General Physics I or PHY 170 Physics I	4			
ESS 101 Introduction to Geology	-			

Semester	Suggested Courses	Credits
Year 1		
One (15 cr.)	BIO 110 General Biology I CHE 103 General Chemistry I CRL 103 General Chemistry I Lab MAT 121 Introduction to Statistics I FYE 100X First Year Experience	4 3 1 3 4
Two (17 cr.)	BIO 111 General Biology II CHE 104 General Chemistry II CRL 104 General Chemistry II Lab SED 100 Introduction to Secondary Education EDP 280 Educational Psychology WRT 120 Effective Writing I	4 3 1 3 3 3
Year 2		
Three (16 cr.)	BIO 214 General Microbiology w/ Lab CHE 231 Organic Chemistry I CRL 231 Organic Chemistry I Lab EDA 103 Foundations of Special Education WRT 2XX 200-level Writing Course	4 4 2 3 3
Four (15 / 16 cr.)	BIO 210 Genetics BIO 210L Genetics Lab	3 1

	MAT 143 Brief Calculus OR MAT 145 Calculus for the Life Sciences OR MAT 161 Calculus I SED 200 Field Experience for 7-12 Secondary Teachers EDA 303 Special Education for Secondary Educators	3 / 4 3 3 2
Year 3		
Five (17 cr.)	BIO 230 Cell Biology w/ Lab PHY 130 General Physics I OR PHY 170 Physics I EDF 300 Democracy & Education LIT 165 Topics in Literature Humanities Elective	4 4 3 3 3
Six (18 cr.)	BIO 270 Ecology BIO 412 Organic Evolution SED 300 Principles of Teaching and Field Experience in Secondary Schools ERM 355 Ethical and Effective Assessment for 7-12 Learning Behavioral & Social Science Elective 2 nd Behavioral & Social Science Elective	3 3 3 3 3 3
Year 4		
Seven (18 cr.)	BIO XXX Biology Elective (300 level or above – except Bio 307 or 469) ESS 101 Introduction to Geology SED 360 Science Education in the Secondary Schools LAN/ENG 382 ELL Strategies for Content Area Teachers EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms Arts Elective	3 3 3 3 3 3
Eight (12 cr.)	EDS 411 Student Teaching Secondary – 1 st half EDS 412 Student Teaching Secondary – 2 nd half	6 6