

**Secondary Biology 9-12
Comprehensive Science 9-12**

Course		Credit
EDU 1200	Introduction to Teaching	2
EDU 2100	The Nature of the Learner	4
EDU 2200	The 21 st Century Classroom	4
EDU 3100	Students with Disabilities: Characteristics and Service Delivery Models	4
EDU 3110	Educational Technology for Teachers	2
EDU 3280	Literacy in the Content Areas	4
EDU 4000	Investigation in Teacher Performance Assessment I	1
EDU 4008	Technology Integration for Middle and Secondary Level Classrooms	2
EDU 4163	Methods Teaching Secondary Science 9-12	4
EDU 4164	Introduction to Student Teaching	2
EDU 4166	Using Data to Assess Student Impact in K-12 Classrooms	2
EDU 4200	Diverse Learners and Culturally Relevant Pedagogy	4
EDU 4260	Student Teaching Continuation	8
EDU 4280	Discipline and Classroom Management Issues for Middle Grade and Secondary Teachers	2
EDU 4001	Investigation in Teacher Performance Assessment II	2

Biology Discipline Specialization:

BA in Biology	
Required Major Core:	
BIO 1399	Introduction to Biological Principles and Literature I: Cellular and Molecular Processes (4)
BIO 2000	Introduction to Biological Principles and Literature II: Evolutionary and Ecological Processes (4)
MTH 1400	Pre-Calculus (4)
CHM 1010/1011	General Chemistry I and Lab (3/1)
CHM 1020/1021	General Chemistry II and Lab (3/1)
Two courses (8 credits) selected from the following:	
BIO 2110	Organismal Biology I: Prokaryotes, Protists, Fungi & Plants (4)
BIO 2120	Organismal Biology II: Zoology (4)
BIO/EXS 2060	Human Physiology (4)
BIO/EXS 2070	Human Anatomy (4)
Eight Credits from the following:	
ENV 1110	Environmental Science (4)
BCH 3220	Biochemistry (4)
Any 3000 or 4000 level	Biology Courses
One course selected from the following:	
BIO 4111 & BIO 4112	Undergraduate Research (2)
BIO 4980	Biology Journal Club (2)
BIO 4990	Senior Seminar (2)

*A grade of C (2.0) or better in 24 hours of content coursework will be required

***Students completing the B.S. in Biology should see the university catalog for course requirements.**

Special Note: Students may now elect to complete the requirements for the teaching license in Comprehensive Science 9-12 with a concentration in Biology by completing the following additional courses:

PHY 1510/1511: General Physics I (3/1)

PHY 1520/1521: General Physics II (3/1)

NSC 2200: Earth Science (4)

**Secondary Biology or Comprehensive Science Suggested Program of Study
Professional Education Coursework**

Freshman - Fall		Credit	Freshman - Spring		Credit
			EDU 1200: Introduction to Teaching		2
Sophomore- Fall		Credit	Sophomore - Spring		Credit
EDU 2100: Nature of the Learner or EDU 2200: The 21 st Century Classroom		4	EDU 2200: The 21 st Century Classroom or EDU 2100: Nature of the Learner		4
Junior - Fall		Credit	Junior - Spring		Credit
EDU 3100: Students with Disabilities: Characteristics and Service Delivery Models		4	EDU 3280: Literacy in Content Areas		4
EDU 3110: Educational Technology for Teachers		2			
Senior - Fall		Credit	Senior - Spring		Credit
EDU 4008: Technology Integration for Middle & Secondary Level Classrooms		2	EDU 4166: Using Data to Assess Student Impact in K-12 Classrooms		2
EDU 4163: Methods of Teaching Secondary Science 9-12		4	EDU 4260: Student Teaching Continuation		8
EDU 4164: Introduction to Student Teaching		2	EDU 4280: Discipline and Classroom Management Issues for Middle Grade and Secondary Teachers		2
*EDU 4200: Diverse Learners and Culturally Relevant Pedagogy		4	EDU 4001: Investigation in Teacher Performance Assessment II		2
EDU 4000: Investigation in Teacher Performance Assessment I		1			

***Counts as Meeting the Requirement for Area II Elective**