

**College of Science**  
Department of Biological Sciences  
For Students Graduating in Calendar Year 2019  
Minor: Biological Sciences

**Complete (1 Must earn a "C" or better)**

BIOL 1105 Principles of Biology <sup>1*</sup>	(3)	_____	BIOL 1106 Principles of Biology <sup>1*</sup>	(3)	_____
BIOL 1115 Principles of Biology Lab <sup>1*</sup>	(1)	_____	BIOL 1116 Principles of Biology Lab <sup>1*</sup>	(1)	_____
CHEM 1035 General Chemistry <sup>1*</sup>	(3)	_____	CHEM 1036 General Chemistry <sup>1*</sup>	(3)	_____
BIOL 2004 Genetics	(3)	_____	BIOL 2104 Cell & Molecular Biology	(3)	_____
BIOL 2704 Evolutionary Biology	(3)	_____	BIOL 2804 Ecology	(3)	_____

**Complete two of the following:**

BIOL 3134 Human Genetics	(3)	_____	BIOL 4134 Evolutionary Genetics	(3)	_____
BIOL 3204 Plant Taxonomy	(3)	_____	BIOL 4334 Chemical Ecology	(3)	_____
BIOL 3404 Intro Animal Physiology	(3)	_____	BIOL 4454 Invertebrate Zoology	(4)	_____
BIOL 3454 Introductory Parasitology	(4)	_____	BIOL 4474 Ethology <sup>2</sup>	(3)	_____
BIOL 3514 Introduction to Histology	(3)	_____	BIOL 4554 Neurochemical Regulation <sup>2</sup>	(3)	_____
BIOL 3774 Molecular Biology	(3)	_____	BIOL 4664 Virology <sup>2</sup>	(3)	_____
BIOL 3954 Study Abroad (var credit) <sup>3</sup>	( )	_____	BIOL 4734 Inflammation Biology	(3)	_____
BIOL 4004 Freshwater Ecology	(4)	_____	BIOL 4844 Proteomics Biol Mass Spec <sup>2</sup>	(3)	_____
BIOL 4104 Developmental Biology	(3)	_____	BIOL 4854 Cytogenetics	(3)	_____
BIOL 4114 Global Change Ecology	(3)	_____	BIOL 4874 Cancer Biology	(3)	_____
			BIOL 4884 Cell Biology <sup>2</sup>	(3)	_____

**Minimum Total Required for Minor**

**32 Credits**

<sup>1</sup> Students must earn a "C" or better in BIOL 1105, 1106, 1115, 1116, CHEM 1035, and CHEM 1036, or the equivalent. Only two attempts are allowed for each course.

<sup>2</sup> Has prerequisite or prerequisite alternative not listed elsewhere on checksheet.

<u>Course</u>	<u>Prerequisites(s)</u>
BIOL 4474	BIOL 2504
BIOL 4554	BIOL 3404 or ALS 2304 and CHEM 2535
BIOL 4664	BIOL 2604 or 2604H and 2614
BIOL 4844	CHEM 2536 and PHYS 2205 and PHYS 2206
BIOL 4884	BIOL 3774 or BCHM 4116

<sup>3</sup> If BIOL 3954 is taken to fulfill minor requirements, the course must be taken for at least 3 credits.

Students must have an in-minor and overall GPA of 2.0 to graduate. All BIOL and CHEM courses taken to fulfill minor requirements will count toward the in-minor GPA.

**\*Acceptable Substitutions**

<u>Required Course</u>	<u>Acceptable Substitution(s)</u>
BIOL 1105	BIOL 1005 General Biology
BIOL 1106	BIOL 1006 General Biology
BIOL 1115	BIOL 1015 General Biology Lab or BIOL 1125 Biological Principles Lab
BIOL 1116	BIOL 1016 General Biology Lab or BIOL 1126 Biological Principles Lab
BIOL 1105, 1115	BIOL 1205H Honors Biology (4)
BIOL 1106, 1116	BIOL 1206H Honors Biology (4)
BIOL 2704	BIOL 2704H Honors Evolutionary Biology
BIOL 2804	BIOL 2804H Honors Ecology
CHEM 1035	CHEM 1055 General Chemistry for Majors (4)
CHEM 1036	CHEM 1056 General Chemistry for Majors (4)

**Cross-listed Courses on this Checksheet**

ALS/BIOL 4554: Neurochemical Regulation