

Grand Valley State University
CLAS Academic Advising Center
C-1-140 Mackinac Hall
616-331-8585
Teaching Endorsement Planned Program
Biology Minor – Secondary Education
(Fall 2016 and after)

Student Name: _____ Date: _____

Email Address: _____ G#: _____

Transfer Institution(s): _____

Key: ✓ - Completed or In Progress W - Waived Highlighted - Still Needs to be Completed

Biology Minor – Required Courses

Course Number	✓	Course Name	Credits	Completed	Scheduled	Grade	Quality Points
BIO 120		General Biology I	4				
BIO 121		General Biology II	4				
BIO 215		Ecology	4				
BIO 210		Evolutionary Biology	3				
BIO 325		Human Sexuality	3				
BMS 202		Anatomy and Physiology (see note #2 below for other options)	4				
<i>Chemistry</i>		Choose one course from:					
CHM 109		Introductory Chemistry	4				
OR		OR					
CHM 115		Principles of Chemistry I	4				
<i>Genetics</i>		Choose A or B					
BIO 375		A. Genetics	3				
OR		OR					
BIO 355		B. Human Genetics	3				
		<i>Choose 1 additional Biology elective in consultation with an academic or faculty advisor. A plant biology course from the following list is strongly recommended</i>					
BIO 243		Plant Identification and Natural History	3				
BIO 303		Plant Morphology	4				
BIO 313		Plants and Islands	4				
BIO 323		Aquatic and Wetland Plants	3				
BIO 333		Systematic Botany	4				
BIO 403		Plant Structure and Function	4				
BIO 413		Freshwater Algae	3				
BIO 423		Plant Biotechnology	3				
BIO 433		Plant Ecology	4				

Cumulative GPA: _____

Special Considerations:

1. A minimum 24 credits of Biology are required for Biology minor, in addition to the Chemistry course.
2. Students may choose one of the follow options to complete the Anatomy and Physiology requirement:
 - a. BMS 202 – Anatomy and Physiology – 4 cr.
 - b. BMS 250 – Anatomy and Physiology I (4 cr) **AND** BMS 251 – Anatomy and Physiology II (4 cr)
 - c. BMS 208/309 – Human Anatomy/Lab (4 cr) **AND** BMS 290/291 – Human Physiology/Lab (4 cr)

3. The following courses may not be used in minor: BIO 104, 105, 107, 109, 205, and any other Biology course whose course description prevents it from being used in the minor.
4. Students considering the Integrated Science Secondary Endorsement should choose BIO 375 and the CHM 115 cognate.

Substitutions, Equivalencies, and Waivers Approved By:

Date:

Prepared By:

Date:

Academic Departmental Approval (Pending Completion of Highlighted Requirements):

Date: