

GRAND VALLEY STATE UNIVERSITY
S.M.A.R.T. CENTER
 SCIENCE AND MATHEMATICS ADVISING, RESOURCE AND TRANSITION CENTER
 377 PADNOS
 331-8585

Graduate Teacher Certification Planned Program
Biology Major – Secondary Education⁴

Student Name: _____

Date: _____

Address: _____

SID: _____

Phone _____

Transfer Institution(s): _____

Biology Major – Required Courses

Course Number	✓	Course Name	Credits	Completed	Scheduled	Grade
BIO 120		General Biology I	4			
BIO 121		General Biology II	4			
BIO 215		General Ecology	4			
BIO 375		Genetics	3			
BIO 376		Genetics Laboratory	1			
BIO 405		Cell and Molecular Biology	4			
BIO 406		Cell and Molecular Biology Laboratory	2			
BIO 495		Evolutionary Biology	3			
		Biology Electives – Plant (choose one)¹				
BIO 303		Plants and Fungi	4			
BIO 323		Aquatic Plants	3			
BIO 333		Systematic Botany	3			
BIO 403		Plant Structure and Function	4			
BIO 413		Freshwater Algae	3			
BIO 423		Plant Biotechnology	3			
BIO 573		Plants of the Great Lakes Area (with permission)	3			
		Biology Electives – Animal (choose one)²				
BIO 222		Natural History of Vertebrates	3			
BIO 232		Natural History of Invertebrates	3			
BIO 272		Insect Biology and Diversity	3			
BIO 302		Comparative Vertebrate Anatomy	4			
BIO 342		Ornithology	3			
BIO 352		Animal Behavior	3			
BIO 362		Fisheries Biology	4			
BIO 412		Mammalogy	4			
BIO 422		Embryology	3			
BIO 432		Comparative Animal Physiology	4			
BIO 572		Field Zoology (with permission)	3			
BMS 208 & 309		Human Anatomy & Laboratory in Human Anatomy	3/1			
BMS 290 & 291		Human Physiology & Laboratory in Human Physiology	3/1			
CHM 115		Principles of Chemistry I	5			
CHM 116		Principles of Chemistry II	5			
CHM 231 ²		Introduction to Organic Chemistry OR	4			
CHM 241		Organic Chemistry for Life Sciences I	4			
CHM 232		Biological Chemistry OR	4			
CHM 242		Organic Chemistry for Life Sciences II	4			

Course Number	✓	Course Name	Credits	Completed	Scheduled	Grade
STA 215		Introductory Applied Statistics OR	3			
MTH 125		Survey of Calculus OR	3			
MTH 201		Calculus I	5			
PHY 200		Physics for the Life Sciences OR	4			
PHY 220		General Physics I OR	5			
PHY 230		Principles of Physics I ³	5			

Special Considerations:

¹ BIO 103, 105, 107, 109, 205, 310, 311 and 355 are excluded from the major.

² If CHM 231 is chosen, CHM 232 must be taken. If CHM 241 is chosen, CHM 242 must be taken

³ Secondary Education students are encouraged to take both PHY 220 & 221 or PHY 230 & 231.

⁴ Students with a bachelor’s degree and a biology major from another institution must earn at least 5 credits in Biology from GVSU.

Notes:

Signature

1 copy student; 1 copy S.M.A.R.T. Center File; 1 copy College of Education.

Date

The following details the information regarding the Graduate Teacher Certification Program and is taken directly from the Grand Valley State University catalog:

Graduate Teacher Certification. Candidates who already possess an approved baccalaureate degree may consider certification at either the undergraduate or graduate level. Because of the need for careful assessment in choosing the appropriate program, students should first contact the Student Information and Services Center to request background materials and register to attend one of the regularly scheduled information meetings. Candidates considering the graduate program must be able to undertake full-time study for approximately one calendar year. Minimum admission requirements for the graduate certification program include:

1. Completion of the baccalaureate degree from a regionally accredited institution at least three years prior to application with a GPA of 3.0 or higher for the final 60 semester credits.
2. Possession of completion of a teachable major with a GPA of 3.0 or higher. Secondary candidates must also possess or complete a teachable minor before final certification.
3. Successful completion of Michigan Basic Skills Test.
4. Successful completion of Michigan Subject Area Test in teachable major.
5. Documentation of 25 hours age-appropriate experience with children or youth.
6. Current TB test report.
7. Signed statement regarding criminal activity.
8. Completion of EDG 619 Curricular Integration of Ed Technology.
9. Admission to graduate studies
10. Completion of application materials for graduate teacher certification program.

Candidates will be eligible for Michigan Provisional Certification after they successfully complete coursework, maintain a 3.0 GPA, and complete certain additional state requirements. These requirements include the Michigan Elementary Test for elementary candidates, or the completion of a teachable minor and the Michigan Subject Area Test in the minor for secondary candidates.