

# Division of Biological Sciences

## GRADUATION PLAN For Students Entering College Before Fall 2011

# Bachelor of Science (BS)

\_\_\_\_\_  
Name in Full

\_\_\_\_\_  
Local Address, including zip code

\_\_\_\_\_  
E-mail Address

### Biological Sciences

Select at least 33 total hours in *biology*, including:

- at least 14 hours at 3000-level or higher
- at least one 3000-level or higher course with a formal lab or field experience
- at least 12 hours at 2000-level or higher at MU

	Course Number	Grade/ Transfer	Hours
Introductory Biology	1500	_____	_____
General Genetics	2200	_____	_____
Cell Biology	2300	_____	_____
Population Biology	_____	_____	_____
Biological Diversity	_____	_____	_____
Capstone	_____	_____	_____
<u>Electives</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Bio Hrs \_\_\_\_\_ Bio Hrs at 3000+ \_\_\_\_\_

You must receive a *grade of C- or higher in all the biology courses you use to fulfill these requirements, and you must also maintain an overall GPA of 2.0 or higher in all those courses.*

You may not use independent reading, internship, problems courses, Bio 2060 or 2100 to meet the 33-hour requirement.

You may use Biochemistry 4270 and 4272 to meet the 33-hour requirement.

\_\_\_\_\_  
Student Number

\_\_\_\_\_  
Local Phone Number

#### Population Biology (select *one* course)

- Bio 3650 General Ecology, 5 hrs, lab, f
- Bio 4600 Evolution, 3 hrs, f & s
- Bio 4640 Behavioral Biology, 3 hrs lec/4 hrs, lab, f
- Bio 4660 Plant Population Biology, 4 hrs, lab, f

#### Biological Diversity (select *one* course)

- Bio 2600 Ornithology, 4 hrs, lab, s
- Bio 2700 Ichthyology, 4 hrs, lab, s
- M 3200 Medical Microbiology, 4 hrs, f & s
- Bio 3210 Plant Systematics, 4 hrs, lab, s
- Bio 3260 Invertebrate Zoology, 4 hrs, lab, s
- Bio 3510 Biology of Fungi, 3 hrs, lab, s
- Bio 3660 Mammalogy, 4 hrs, lab, s
- Bio 3710 & 3715 Entomology/Insect Diversity, 5 hrs, lab, f (both required)

NOTE: The following courses will fulfill *both* the Population *and* Diversity requirements: 2600, 2700, 3260, 3660, 4660.

#### Capstone (select *one* course; complete in last 45 hours)

- Bio 4950/4952 Undergrad Research, 3 hrs, f, s & sum
- Bio 4976 Molecular Biology, 3 hrs, f & s
- Bio 4978 Cancer Biology, 3 hrs, f
- Bio 4982 Human Inherited Diseases, 3 hrs, even f
- Bio 4983 Molecular Ecology, 4 hrs, lab, odd s
- Bio 4984 Mammalian Reproductive Bio, 3 hrs, f
- Bio 4986 Neurology of Motor Systems, 3 hrs, odd f
- Bio 4988 Nerve Cells and Behavior, 3 hrs, odd s
- Bio 4990 Vertebrate Histology/Microscopic Anatomy, 5 hrs, lab, f
- Bio 4994 Senior Seminar, 3 hrs, f & s

f (fall), s (spring), sum (summer)

\_\_\_\_\_  
Expected Graduation Date

### Related Science Fields

Grade/  
Transfer Hours

#### Chemistry (all courses required)

Chem 1320 General Chemistry I	_____	_____
Chem 1330 General Chemistry II	_____	_____
Chem 2100 Organic Chemistry I	_____	_____
Chem 2110 Organic Chemistry II	_____	_____
Chem 2130 Organic Lab I	_____	_____

#### Physical Sciences (select *one set* of courses)

Phys 1210 <i>and</i> 1220 College Physics I <i>and</i> II, 8 hrs	_____	_____
Phys 2750 <i>and</i> 2760 University Physics I <i>and</i> II, 10 hrs	_____	_____

#### Mathematical Sciences (select *one option*)

Math 1400 <i>and</i> 2100 Calculus for Soc/Nat Sciences I <i>and</i> II, 6 hrs	_____	_____
Math 1500 Analytic Geometry & Calculus I, 5 hrs	_____	_____
Stat 1400 <i>and</i> CS 1040 Elem Stat for Life Sciences <i>and</i> Intro to Problem Solving & Programming, 6 hrs	_____	_____

You must receive a *grade of C- or higher in all the courses in related science fields that you use to fulfill these requirements, and you must also maintain an overall GPA of 2.0 or higher in all MU courses.*

\_\_\_\_\_  
Student Date

\_\_\_\_\_  
Advisor Date

\_\_\_\_\_  
Director of Undergraduate Studies Date

\_\_\_\_\_  
Dean Date