



Name: \_\_\_\_\_  
 ID: \_\_\_\_\_

## Biology (Pre Medical, Pre-Dental, Pre-Vet, Pre-Optometry, Pre-Chiropractic), Bachelor of Science

This academic degree map is a term-by-term course schedule designed for you to graduate in four years. The sample schedule below serves as a general guideline to building a full-time schedule for each term. Earning a degree requires that you complete (1) the required General Education courses, (2) the course requirements of your major and (3) any requirements PSU has designated for a Bachelor degree. Courses and special notes are specified to keep you on track to graduate in four years. Where open elective is listed, it means that you may take a course of your choosing, perhaps a course in an area outside of your major, but be sure to discuss this with your advisor.

This map is not a substitute for academic advisement – contact your advisor if you have any questions throughout the term and as you begin planning for the next. The University Catalog is also available as a resource with a complete list of requirements for all degrees offered at PSU.

### Recommended 4-years to graduation plan

Code	Semester 1 - FRESHMAN YEAR	Credit	NOTES
BIOL 211	Principles of Biology I (SGE) <sup>040</sup> Suggested	4	
BIOL 105	Pre-Health Orientation I	1	
CHEM 215	General Chemistry I	3	
CHEM 216	General Chemistry I Lab	2	
ENGL 101	English Composition (SGE) <sup>010</sup>	3	C or better
UGS 150	Gorilla Gateway (SGE) <sup>070</sup>	2	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

Code	Semester 2 - FRESHMAN YEAR	Credit	NOTES
BIOL 212	Principles of Biology II	4	
CHEM 225	General Chemistry II	3	
CHEM 226	General Chemistry II Lab	2	
PSYCH 155	General Psychology (SGE) <sup>050</sup> Suggested	3	
Bucket 030	Math & Statistics (SGE) <sup>030</sup>	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 3 - SOPHOMORE YEAR	Credit	
BIOL 371	General Microbiology	3	
BIOL 372	General Microbiology Lab	2	
CHEM 325	Organic Chemistry I	3	
CHEM 326	Organic Chemistry I Lab	2	
Bucket 070	Institutionally Designated (SGE) <sup>070</sup>	3	
Bucket 050	Social & Behavioral Science (SGE) <sup>050</sup>	3	
<b>TOTAL CREDIT HOURS</b>		<b>16</b>	

	Semester 4 - SOPHOMORE YEAR	Credit	
BIOL 205	Pre-Health Orientation II	1	
BIOL 322	Genetics	3	
BIOL 323	Genetics Lab	2	
CHEM 335	Organic Chemistry II	3	
CHEM 336	Organic Chemistry II Lab	2	
COMM 207	Speech Communication (SGE) <sup>020</sup>	3	
Bucket 060	Arts & Humanities (SGE) <sup>060</sup>	3	
<b>TOTAL CREDIT HOURS</b>		<b>17</b>	

	Semester 5 - JUNIOR YEAR	Credit	
BIOL 311	Cell Biology	3	
PHYS 100	College Physics I (or PHYS 101)	4	
PHYS 130	College Physics I Lab	1	
CHEM 575	Biochemistry I	3	
ENGL 299	Intro to Research Writing (SGE) <sup>010</sup>	3	C or better
Bucket 070	Institutionally Designated (SGE) <sup>070</sup>	1	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 6 - JUNIOR YEAR	Credit	
BIOL 305	Pre-Health Orientation III	1	
PHYS 101	College Physics II (or PHYS 104)	4	
PHYS 131	College Physics II Lab	1	
600+	Physiology Course	5	
200+	Biology Elective	1	
Bucket 060	Arts & Humanities (SGE) <sup>060</sup>	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 7 - SENIOR YEAR	Credit	
200+	Biology Elective	3	
200+	Biology Elective	3	
500+	Open Elective	4	
100+	Minor Course or Open Elective	5	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 8 - SENIOR YEAR	Credit	
BIOL 699	Senior Seminar	1	
500+	Open Elective	1	
300+	Minor Course or Open Elective	7	
BIOL 330	Principles of Ecology	3	
<b>TOTAL CREDIT HOURS</b>		<b>12</b>	

**Writing to Learn:** Typically one from general education and one in major coursework.

#### Systemwide General Education (SGE) Key

- |                                 |                                  |
|---------------------------------|----------------------------------|
| 010 English                     | 050 Social & Behavioral Sciences |
| 020 Communications              | 060 Arts & Humanities            |
| 030 Math & Statistics           | 070 Institutionally Designated   |
| 040 Natural & Physical Sciences |                                  |