



## Undergraduate Degree Map for Completion in Four Years

<b>College:</b>	College of Science, Engineering & Technology <input type="button" value="v"/>
<b>Department:</b>	Biological Sciences <input type="button" value="v"/>
<b>Name of Program:</b>	BIOL: PLANT SCIENCE <input type="button" value="v"/>
<b>Degree Designation:</b>	BS <input type="button" value="v"/>
<b>Emphasis/Concentration:</b>	BIOL: PLANT SCIENCE <input type="button" value="v"/>
<b>Option:</b>	<input type="text"/>
<b>Version:</b>	1 <input type="button" value="v"/>
<b>Version Explanation:</b>	<input type="text"/>
<b>Type of Program:</b>	Broad Major <input type="button" value="v"/>
<b>Minor Required:</b>	No <input type="button" value="v"/>
<b>Specific Minor (if required):</b>	<input type="text"/>

### Program Description:

The plant science emphasis involves the study of cells, genetics, anatomy, physiology, taxonomy, and ecology of terrestrial and aquatic vascular plants, mosses, algae, and fungi. This emphasis prepares students for careers in education, biotechnology, field biology, pharmaceutical companies, and government agencies.

### Admission Requirements:

32 earned semester hours including BIOL 105, BIOL 106, BIOL 211, and CHEM 201 with a grade of "C" or better; completed General Education Goal Area 4 (Mathematics); completed General Education Goal Area 1, Part A (English Composition); and a minimum cumulative GPA of 2.2, with a cumulative GPA in Biology courses of 2.0.

### Advising:

You are expected to meet with your advisor on a regular basis to ensure courses are taken in an order that will lead to successful completion of the degree.

Each student must meet with an advisor each semester. Following the meeting the student will be given an access code which allows the student to register for classes.

A complete listing of program faculty, policies, and course descriptions is available in the undergraduate bulletin.

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA $\geq$ 2.0 Course Completion Rate $\geq$ 67% Completion of $\geq$ 15 credit hours
BIOL	105	General Biology I	4	C or better is required
MATH	112	College Algebra	4	
ENG	101	Composition	4	
		General Education Elective	3	

Insert item

**Term 1 Notes:**

General Education Categories 1A, 2, 3, and 4, will be filled by the major's required courses.

### TERM 2 - SPRING

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA $\geq$ 2.0 Course Completion Rate $\geq$ 67% Completion of $\geq$ 30 credit hours Advance to Sophomore status
BIOL	106	General Biology II	4	C or better is required
MATH	113	Trigonometry	3	
ENG	271W	Technical Communication	4	
		General Education Course	4	

Insert item

**Term 2 Notes:**

### TERM 3 - FALL

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA $\geq$ 2.0 Course Completion Rate $\geq$ 67%
BIOL	215	General Ecology	4	
BIOL	211	Genetics	4	C or better is required
CHEM	201	General Chemistry I	5	C or better is required
		General Education Course	2	

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**Term 3 Notes:**

A minimum 2.2 GPA is needed to apply to the general biology program

### TERM 4 - SPRING

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA $\geq$ 2.0 Course Completion Rate $\geq$ 67% Completion of $\geq$ 60 credit hours Advance to Junior status

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA $\geq$ 2.0 Course Completion Rate $\geq$ 67% Completion of $\geq$ 60 credit hours Advance to Junior status
BIOL	217	Plant Science	4	
---	---	Choose one course	---	
CHEM	111	Chemistry of Life Processes OR	5	
CHEM	202	General Chemistry II	5	
---	---	Choose one course:	---	
STAT	154	Elementary Statistics OR	3	
HLTH	475	Biostatistics	3	
		General Education Course	3	

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**Term 4 Notes:**

May apply to the major at the end of this term if overall GPA is 2.2 or better, and Biology GPA is 2.0 or better.

### TERM 5 - FALL

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA $\geq$ 2.0 Course Completion Rate $\geq$ 67% Apply for Graduation
BIOL	442	Flora of Minnesota	4	
BIOL		Unrestricted Elective Course in BIOL with Lab	4	
		Upper Division Course	4	
		Writing Intensive Course	3	

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**Term 5 Notes:**

Two writing intensive (W) courses are required for graduation. 40 credits of upper division courses (including biology courses) are needed for graduation.

### TERM 6 - SPRING

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA $\geq$ 2.0 Course Completion Rate $\geq$ 67% Completion of $\geq$ 90 credit hours Advance to Senior status
BIOL	441	Plant Physiology	4	
PHYS	211	Principles of Physics I	4	
BIOL		Unrestricted Elective in BIOL	3	
		Upper Division General Education Course	4	

Insert item

**Term 6 Notes:**

Apply for graduation one year prior to your expected graduation date.

### TERM 7 - FALL

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA $\geq$ 2.0 Course Completion Rate $\geq$ 67%
BIOL	443	Plant Ecology	4	
BIOL		Unrestricted elective in BIOL with lab	4	Must have at least 7 credits of BIOL electives with labs
		Upper Division Elective Course	3	
		Gold or Purple Elective Course	4	

**Term 7 Notes:**

Be sure all General Education and Diversity Course requirements have been met.

### TERM 8 - SPRING

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA $\geq$ 2.0 Course Completion Rate $\geq$ 67%
BIOL		Unrestricted elective in BIOL	3-4	
		Purple Elective Course	4	
		Upper Division General Elective Course	4	
		Upper Division General Elective Course	3-4	

**Term 8 Notes:**

### PROGRAM NOTES

### DEGREE MAP CHECKLIST: GRADUATION REQUIREMENTS

<input checked="" type="checkbox"/>	1. Minimum of 15 credits per semester
<input checked="" type="checkbox"/>	2. General Education = 44 credits
<input checked="" type="checkbox"/>	3. Diverse Cultures = 2 course (6 credits minimum) from two disciplines
<input checked="" type="checkbox"/>	4. Writing Intensive = 2 courses (6 credits minimum)
<input checked="" type="checkbox"/>	5. Major = 76 credits
<input type="checkbox"/>	6. Upper-Division Requirements = 40 credits minimum
<input type="checkbox"/>	7. Professional Education (if required) = 30 credits
<input type="checkbox"/>	8. Language Requirements (if BA) = 8 credits minimum
<input type="checkbox"/>	

	9. Minor = <input type="text"/> credits
<input checked="" type="checkbox"/>	10. Total credits required for degree <input type="text" value="120"/>

**DEGREE MAP COMPLETE**

<input checked="" type="checkbox"/>	Map is complete and ready for review <ol style="list-style-type: none"><li>1. Faculty please send an email to your Department Chair when map is ready to review.</li><li>2. Department Chair please send an email to your Dean when map is ready to review.</li><li>3. Dean please send an email to the Assistant Vice President for Undergraduate Studies when map is ready to review.</li></ol>
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**DEAN APPROVAL**

<input checked="" type="checkbox"/>	Map reviewed and approved by Dean
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**Save and Close**