



## 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: ECOLOGY <input type="button" value="v"/>
<b>Degree Designation:</b>	BS <input type="button" value="v"/>
<b>Emphasis/Concentration:</b>	BIOL: ECOLOGY <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:

Ecology is the study of relationships between organisms and their environment. The emphasis involved courses in biology and related sciences, including study in genetics, evolution, and statistics. Upper division electives emphasize fieldwork, data analysis, and writing. Career titles include ecologist, naturalist, wildlife biologist, natural resource manager, fish biologist, marine biologist, conservational training.

### 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	

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**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	
Chem	201	General Chemistry I	5	C or better is required
		General Education Elective	3	

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**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
HLTH	475	Biostatistics	3	
		Writing Intensive Course	4	

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**Term 3 Notes:**

Two writing intensive courses are required for graduation.

### 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
---	---	Choose one course	---	C or better is required
CHEM	201	General Chemistry II OR	5	
CHEM	111	Chemistry of Life Processes	5	
PHYS	211	Principles of Physics	4	
---	---	Choose Course 1 (of a two-course sequence):	---	
BIOL	217	Plant Science (follow with BIOL 441) OR	4	
BIOL	270	Microbiology (follow with (BIOL 476) OR (Note: BIOL 316 may be taken next fall, followed by BIOL 431)	4	
BIOL	301	Evolution	2	
		General Elective (if needed)	0-4	

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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
---	---	Choose one course (of a two-course sequence):	---	
BIOL	270	Microbiology (followed by 431)	4	
BIOL	316	Animal Diversity (followed by BIOL 431) (Note: OFFERED IN SPRING: BIOL 441, Plant Physiology (follows BIOL 270) OR BIOL 476, Microbial Physiol and Genetics (follows BIOL 270)	3	
BIOL	443	Plant Ecology	4	
ENG	271W	Technical Communication	4	
		General Education Course	3	
		General Elective (if needed)	0-4	

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#### Term 5 Notes:

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	301	Evolution	2	

<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
---	---	Choose one course	---	
BIOL	476	Microbial Physiol/Genetics (follows BIOL 270) OR	5	
BIOL	441	Plant Physiology (follows BIOL 217) OR	4	
BIOL	431	Animal Physiol (follows BIOL 316)	3	
		Upper Division General Elective Course	4	
		Upper Division General Education Course	3	
		General Elective	1-3	

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**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	408	Vertebrate Ecology	4	
BIOL		Unrestricted elective in BIOL	4	
		Gold or Purple Course	3	
		Upper Division General Education Course	4	

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**Term 7 Notes:**

Be sure all General Education, Diversity, and Writing Intensive Course requirements will be completed before graduation.

### 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	
		Purple Course	3	
		Upper Division General Elective Course	4	
		Upper Division General Elective Course	3	
		General Elective (if needed)	2	

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**Term 8 Notes:**

## PROGRAM NOTES

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## 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 = <input type="text" value="73"/> credits
<input checked="" 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"/>	<p>Map is complete and ready for review</p> <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