



Undergraduate Degree Map for Completion in Four Years

College:	College of Science, Engineering & Technology <input type="button" value="v"/>
Department:	Biological Sciences <input type="button" value="v"/>
Name of Program:	BIOL: TOXICOLOGY <input type="button" value="v"/>
Degree Designation:	BS <input type="button" value="v"/>
Emphasis/Concentration:	<input type="text"/> <input type="button" value="v"/>
Option:	<input type="text"/>
Version:	2 <input type="button" value="v"/>
Version Explanation:	Student begins the program in an even-numbered year.
Type of Program:	Broad Major <input type="button" value="v"/>
Minor Required:	No <input type="button" value="v"/>
Specific Minor (if required):	<input type="text"/>

Program Description:

Toxicology is the study of the harmful effects of chemicals, radiation, and other stressors on biological systems. This is a wide-ranging course of study, allowing students to connect their background on chemistry, biology, physics, mathematics, etc. to understand all aspects of how an exposure may or may not yield a toxic result. The program trains students in the theory and hands-on research techniques of an interdisciplinary biological science at the undergraduate level. Graduates can and have proceeded into research and testing of pharmaceuticals, pesticides, and environmental toxicology in industry, government, or academic institutions.

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	121	Calculus I	4	
CHEM	201	General Chemistry I	5	C or better is required
		General Education Elective	1	

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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
CHEM	202	General Chemistry II	5	
PHYS	211	Principles of Physics I	4	
ENG	101	Composition	4	

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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	211	Genetics	4	C or better is required
BIOL	215	General Ecology	4	
BIOL	220	Human Anatomy	4	
CHEM	322	Organic Chemistry I	4	

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Term 3 Notes:

A minimum 2.2 GPA is needed, and a 2.0 GPA in Biology courses to apply for admission to the 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	270	Microbiology	4	
BIOL	330	Principles of Human Physiology	4	
CHEM	324	Organic Chemistry II	3	
CHEM	325	Organic Chemistry II Laboratory	1	
HLTH	475	Biostatistics	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	460	Introduction to Toxicology	3	
BIOL	462	Toxicology Seminar	1	
BIOL	464	Methods of Applied Toxicology	3	
CHEM	460	Biochemistry I	3	
CHEM	465	Biochemical Techniques I	1	
ENG	271	Technical Communications	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	461	Environmental Toxicology	4	
BIOL	465	Applied Toxicology Project	3	
CHEM	461	Biochemistry II	3	
CHEM	466	Biochemical Techniques II	2	
		General Education Course	3	

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Term 6 Notes:

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

TERM 7 - FALL

Designator:	Course:	Course Name:	Credits:	Milestones:
				Overall GPA \geq 2.0 Course Completion Rate \geq 67%
BIOL	467	Industrial Hygiene	3	
CHEM	305	Analytical Chemistry	4	
		Writing Intensive General Education Course	4	
		Gold or Purple General Education Course	3	

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Term 7 Notes:

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

TERM 8 - SPRING

Designator:	Course:	Course Name:	Credits:	Milestones:
				Overall GPA \geq 2.0 Course Completion Rate \geq 67%
BIOL	466	Principles of Pharmacology	3	
		Purple General Education Course	4	
		General Education Course	4	
		General Education Course	3	

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Term 8 Notes:

PROGRAM NOTES

Some courses are offered alternate years only. Some semesters have more than 15 credit hours, and others have less.

DEGREE MAP CHECKLIST: GRADUATION REQUIREMENTS

<input 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 = 98 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"/>	Map is complete and ready for review <ol style="list-style-type: none">1. Faculty please send an email to your Department Chair when map is ready to review.2. Department Chair please send an email to your Dean when map is ready to review.3. Dean please send an email to the Assistant Vice President for Undergraduate Studies when map is ready to review.
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DEAN APPROVAL

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