

College of Science, Technology, Engineering & Mathematics

Biology BS (102 - 104 Credits)

Why major in Biology?

The BS in Biology provides a core curriculum plus flexibility in selecting elective courses that will best suit your individual career aspirations. Advising guides are available for career preparation in a wide variety of areas such as wildlife, botany, pre-pharmacy, pre-veterinary medicine, medical technology, conservation, chiropractic care, fisheries, optometry, range science, and physical therapy. We also provide opportunities for undergraduate research and internships as well as participation in career driven student organizations.

Other Degree Options

Minors in Biology,
Biology/Secondary, Add-on
Endorsement-General Science,
and MS in Biology

Career Opportunities

Hundreds of growing fields such as health careers, veterinary medicine, natural resource management, fisheries, medical research, laboratory technicians, restoration ecology, and education.



EASTERN
WASHINGTON UNIVERSITY

<http://www.ewu.edu/cstem>

Department Chair

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My Advisor

Name:

Office:

Email:

Sample Schedule for new Freshmen

Biology is a diverse field, so talk to your advisor as soon as possible to best tailor this to your interests!

Year	Fall	Winter	Spring
Freshman	ENGL 101 (5 cr.) BIOL 171 (5 cr.) CHEM 171 (4 cr.) CHEM 171L (1 cr.)	BIOL 172 (5 cr.) CHEM 172 (4 cr.) CHEM 172L (1 cr.) ENGL 201 (5 cr.)	BIOL 173 (5 cr.) CHEM 173 (4 cr.) CHEM 173L (1 cr.) BIOL 270 (3 cr.)
Sophomore	Diversity (5 cr.) BIOL 301, 302, 303, or 304 (5 cr.) BIOL 380 or Math 161 or Math 380 (5 cr.)	Global (5 cr.) BIOL 310 (5 cr.) BIOL 423 or 440 (5 cr.)	BIOL 436 or 438 (5 cr.) BIOL 399 Directed Study Biology Elective (5 cr.) BACR (3-5 cr.) (talk to your advisor: some BACRs can enhance your career in biology)
Junior	BIOL 351, 352, 353 or 332-333-334 Biology elective (5 cr.) BACR (3-5 cr.)	Biology elective (5 cr.) BIOL 499 Directed Study BACR (3-5 cr.) Upper Div. Elective (5 cr.)	Upper Div. Elective (5 cr.) BACR (3-5 cr.) BIOL 495 Internship
Senior	Upper Div. Elective (5 cr.) Biology Elective (5 cr.) Elective	BIOL 499 Directed Study Elective Elective	BIOL 490 (5 cr.) Elective Elective

My Plan

Year	Fall	Winter	Spring
Freshman			
Sophomore			
Junior			
Senior			

Required Supporting Courses: BIOL 380, CHEM 171 & 171L, CHEM 172 & 172L, CHEM 173 & 173L

Course Number	Course Name	Cr.	Prerequisites	Quarters Offered
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Core Courses

BIOL 171	Biology I	5	MATH 141	
BIOL 172	Biology II	5	BIOL 171	
BIOL 173	Biology III	5	BIOL 172	
BIOL 270	Biological Investigation	3	BIOL 171, BIOL 172	
BIOL 310	Fundamental of Genetics	5	BIOL 173, CHEM 173	

Focus Specific Course (Choose between BIOL 301, 302, 303, or 304)

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Focus Specific Course (Choose between BIOL 423, 440)

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Focus Specific Course (Choose between BIOL 436, 438)

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Focus Specific Course (Choose between BIOL 334, 351, 352, or 353)

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Biology Electives (Choose 36 credits, 21 of which must be in Biology)

Capstone Course

BIOL 490	Senior Capstone	5		
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Flight Plan to Success

	Fall	Winter	Spring	
First Year	Take a first year seminar course	Meet with your academic advisor every term	Attend at least three campus events/activities	Explore interests and begin planning path at EWU
	Visit Career Services or take a Career Exploration course	Join a student club/organization in SAIL	Talk to professor in a biological field you're interested in pursuing	
Second Year	Declare your major! Meet with faculty advisor every term	Identify faculty mentor for a possible directed study project	Apply for a summer internship	Declare major, participate in academic projects or research
	Attend Biology Department Seminars, join a science club	Apply for scholarships - see Biology webpage	Apply for a CSTEM undergraduate research grant	
Third Year	Meet with faculty advisor	Make an appointment with career advisor	Prepare resume and have it reviewed by a Career Advisor	Work with faculty on a project, plan for life after college
	Attend Biology Department Seminars	Apply for scholarships	Apply for a summer internship, track degree progress with SOAR	
Fourth Year	Meet with faculty advisor	Grad school? Apply by deadlines in fall!	Complete directed-study research project	Graduate w/ a Biology degree from EWU!
	Track degree progress in SOAR and apply for graduation	Want a job? Update resume, visit the career center, attend Career Fairs	Plan to present undergraduate research at a professional conference	
			Participate in Research & Creative Works Symposium	