

Notes

- Students are required to complete 66-70 credit hours for the major with the Biology track.
- Environmental science is a joint major offered by the Departments of Biology & Chemistry.
- BIOL 245 and BIOL 322 are offered every other year. Take care to plan sequence.

Major Core for Biology Track

Majors will complete a core of the following courses.

Course #	Course Title	Credits	Completed
First Year			
BIOL 113 or BIOL 115	General Biology or Advanced General Biology (Fall)	4	
BIOL 218	Principles of Zoology (Spring)	4	
CHEM 109 or CHEM 111 and 112	General, Organic & Biochemistry for Public Health (Fall) or Principles of General Chemistry (Fall) AND Principles of Organic Chemistry (Spring)	4-8	
Sophomore Year			
MATH 118 or MATH 227	Introductory to Statistics or Intermediate Statistics: Design & Analysis	4	
BIOL 104	Introduction to Environmental Science (Spring)	4	
ECON 100	Principles of Microeconomics (Fall or Spring)	4	
Junior or Senior Year			
BIOL 245	Principles of Ecology (Fall, every other year, even years)	4	
BIOL 322	Evolution (Fall, every other year, odd years)	4	
ENVI 200	Environmental Forum (Spring, COF course)	2	
PHIL 139	Environmental Ethics (Spring)	4	

Science Electives

Choose TWO courses from the Sciences (at least one at the 300-level).

Courses Selected	Credits	Completed
	4	
	4	

BIOL 221	Microbiology
BIOL 222	Animal Physiology
BIOL 333	Marine Biology
BIOL 336	Genetics
BIOL 107	Plants and Society
BIOL 340	Plant Biology
BIOL 347	Human Development and Genetics
CHEM 216	General Chemistry & Quantitative Analysis
CHEM 227	Energy and Global Warming
CHEM 342	Mechanistic Toxicology
HON 308	Sustainability and Global Warming
SURV 150	Overview of Surveying Technology (Wentworth) GIS skills
MATH 120	Calculus I
MATH 227	Intermediate Statistics: Design & Analysis
NUTR 150	International Nutrition Issues
PHYS 110	Introduction to Physics I
PHYS 111	Introduction to Physics II

Arts and Humanities Electives

Choose THREE electives from the Arts and Humanities.

Courses Selected	Credits	Completed
	4	
	4	
	4	

ART 245	American Art
ECON 145	Economics of Sustainability and Resource Use
ECON 239	Government Regulation of Industry
ECON 247	Environmental Economics
HIST 205	Global Environmental History
BUS 224	Socially-Minded Leadership
POLS 101	Introduction to American Politics
POLS 102	Introduction to International Politics
POLS 217	American Public Policy
POLS 220	International Organization and Law
SOCI 241	Health, Illness and Society
SOCI 267	Globalization
SOCI 321	Sociology of Food

Capstone

Complete 8 credit hours to fulfill the Capstone Requirement in Biology or Chemistry (typically BIOL 350, BIOL 355, BIOL 370, or CHEM 350).

Courses Selected	Credits	Completed
	4	
	4	

PLAN Requirements

Year	Semester	Course Title	Credits	Complete		
One	Fall	BOS 101: The Boston Course	4			
		SIM 101: The Simmons Course: Explore	2			
	Spring	LDR 101: The Leadership Course	4			
Two	Fall or Spring	The Learning Community: Two discipline courses & one integrative seminar	8			
		SIM 201: The Simmons Course: Experience	1			
Three	Fall or Spring	SIM 301: The Simmons Course: Excel	1			
Three & Four	Fall or Spring	3D*– Design Across Diverse Disciplines	12			
Any	Requirements		Course Selected			
	Language: Two semesters in the same language, taken sequentially and strongly encouraged to complete within their first two years.			4		
				4		
	Quantitative Literacy (QL)		MATH 118/ 227	4		
	Key Content Areas** (KCAs)	Aesthetic, Literary and Artistic (ALA)			4	
		Global Cultural (GC)			4	
Scientific Inquiry (SCI)		BIOL 113/ 115	4			
Social and Historical (SH)		ECON 100	4			

*3D– Design Across Diverse Disciplines– requirement may be met with one course in your major, and two additional courses that may also count as KCAs.

**KCAs – May be covered by Major, Learning Community and/or 3D courses.

Department Contact

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