

## Ecology and Evolutionary Biology

Degrees Offered	<p style="text-align: center;"><b>B.S.</b> <b>Ecology and Evolutionary Biology</b> Concentrations: <i>Biodiversity and the Environment,</i> <i>or Organismal Biology</i></p>	<p style="text-align: center;"><b>B.A.</b> <b>Ecology and Evolutionary Biology</b> Concentration: <i>Biodiversity and the Environment</i></p>	<p style="text-align: center;"><b>B.A.</b> <b>Ecology and Evolutionary Biology</b> Concentration: <i>Organismal Biology</i></p>
Prerequisites for entering the major	<p><b>Intro Biology sequence</b> (BIOL 101, 102, 103, and 104)</p>		
	<p><b>2 term lecture sequence in General Chemistry</b> (CHEM 161, 165 or CHEM 163, 167) with labs (CHEM 134L, 136L)</p>		
	<p><b>1 term mathematics or 1 term of statistics &amp; data science</b> MATH 115 or MATH 116 or MATH 120 or S&amp;DS 100 or S&amp;DS 230</p>		
	<p><b>4 total credits chosen from this entire list; no more than two term lecture courses from a single department</b></p>		
	<p>MATH 115 or 116 MATH 118 or 120 MATH 222 or 225 MATH 230 or 231 MATH 235 MATH 241 MATH 242 MATH 244 MATH 246 MATH 247 MATH 250 MATH 255</p>	<p>S&amp;DS 100-106 S&amp;DS 220 S&amp;DS 230 S&amp;DS 238 S&amp;DS 240 CPSC 100 CPSC 112 CPSC 123 CPSC 201 PHYS 170 or 180 PHYS 171 or 181</p>	<p>CHEM 174 or 220 CHEM 175 or 221 CHEM 222L CHEM 223L EPS 110 EPS 212 EPS 220 EPS 222 EPS 232 EPS 240 EPS 255</p>
Requirements for each degree	<p style="text-align: center;"><b>B. S. Degree</b> <b>5.5 course credits</b> (not incl prereqs or senior req)</p>	<p style="text-align: center;"><b>B.A. Degree</b> <b>3.5 course credits</b> (not incl prereqs or senior req)</p>	<p style="text-align: center;"><b>B.A. Degree</b> <b>3.5 course credits</b> (not incl prereqs or senior req)</p>
	<p style="text-align: center;">Same as B.A. degree requirements (either concentration).</p>	<p style="text-align: center;">E&amp;EB 220</p>	<p style="text-align: center;">E&amp;EB 290 &amp; 291L</p>
	<p style="text-align: center;">Two electives, at least one elective must be a lecture or a seminar.</p>	<p style="text-align: center;">E&amp;EB 225</p>	<p style="text-align: center;">E&amp;EB 295 or BENG 350</p>
		<p style="text-align: center;">1 course from E&amp;EB 246-272 or 280 with lab or E&amp;EB 326 and 327L</p>	<p style="text-align: center;">MCDB 300 or MB&amp;B 300</p>
Senior Requirements	<p style="text-align: center;"><b>2 terms original research</b> (E&amp;EB 475, 476) <b>or</b> (E&amp;EB 495, 496)</p>	<p style="text-align: center;"><b>1 term independent study</b> (E&amp;EB 470) <b>or</b> <b>Senior Essay in a course</b></p>	<p style="text-align: center;"><b>1 term independent study</b> (E&amp;EB 470) <b>or</b> <b>Senior Essay in a course</b></p>
Substitutions	<p>Substitutions permitted with DUS approval (see YCPS for details).</p>		