

## B.S. Major in Environmental Science.

The Bachelor of Science major in Environmental Science is jointly housed in the Biology and Chemistry departments.

REQUIREMENTS FOR A B.S. DEGREE IN ENVIRONMENTAL SCIENCE 73 UNITS (14 UNITS COUNT FOR GE)			
Lower Division Requirements (46-50)*		Upper Division Requirements (23-27)*	A minimum of 8 units of upper division electives are required from approved environmental OC programs. At least one-half of upper division units for the major must be taken at PLNU.
Bio Units = 12	___ Biology 102 <sup>(4)</sup> ___ Biology 210 <sup>(4)</sup> ___ Biology 215 <sup>(4)</sup>		___ Biology 360 <sup>(3)</sup> ___ Biology 497 <sup>(1)</sup> ___ Biology 345 <sup>(4)</sup> ___ Chemistry 370 <sup>(2)</sup>
Chem Units = 16	___ Chemistry 151 <sup>(1)</sup> ___ Chemistry 152 <sup>(4)</sup> ___ Chemistry 153 <sup>(4)</sup> ___ Chemistry 211 <sup>(2)</sup> ___ Chemistry 295 <sup>(5)</sup>	Advanced Science Electives: 8 units minimum	
Math Units = 7	___ Mathematics 144 <sup>(4)</sup> ___ Mathematics 203 <sup>(3)</sup>	___ Biology 310 <sup>(3)</sup> ___ Biology 315 <sup>(3)</sup> ___ Biology 320 <sup>(3)</sup> ___ Biology 325 <sup>(3)</sup> ___ Biology 330 <sup>(2)</sup> ___ Biology 340 <sup>(2)</sup> ___ Biology 370 <sup>(2)</sup> ___ Biology 410 <sup>(3)</sup> ___ Biology 420 <sup>(3)</sup> ___ Biology 430 <sup>(3)</sup> ___ BIO or CHE 450 <sup>(4)</sup> ___ Chemistry 300 <sup>(2)</sup> ___ Chemistry 325 <sup>(5)</sup> ___ Chemistry 351 <sup>(2)</sup> ___ Chemistry 466 <sup>(2)</sup> ___ Chemistry 475 <sup>(2)</sup> ___ Approved OC	
Phys Units = 8	either ___ Physics 141 <sup>(4)</sup> and ___ Physics 142 <sup>(4)</sup> or ___ Physics 241 <sup>(4)</sup> and ___ Physics 242 <sup>(4)</sup>	Other Related Electives: 9 unit minimum. Students can customize their degree by taking any combination of courses from the two categories below.	
Social World Electives = 3	Choose one of three:      ___ Sociology 201 <sup>(3)</sup> ___ Eco 101 <sup>(3)</sup> ___ Eco 102 <sup>(3)</sup>	Methodology Electives : ___ Chemistry 490 <sup>(1-3)</sup> ___ Chemistry 499 <sup>(1-3)</sup> ___ Biology 490 <sup>(1-3)</sup> ___ Biology 499 <sup>(1-3)</sup> ___ Approved OC	Public Policy and Stewardship Electives: ___ POL 230 <sup>(4)</sup> ___ POL 370 <sup>(4)</sup> ___ POL 441 <sup>(4)</sup> ___ POL 435 <sup>(4)</sup> ___ Approved OC      ___ Philosophy 451 <sup>(3)</sup>

\* Number of Lower/Upper Division Requirements will depend on whether POL 230 is taken as one of Other Related Electives.

**Requirements for the B.S. degree in Environmental Science.** Note that majors have similar lower division science requirements as the B.S. in Biology-Chemistry, with the difference being the additional requirement of Environment & People (BIO 102) and Introduction to Statistics (MTH 203). Also required is a lower division sociology or economics course. Note that 14 of the lower division units also fulfill the GE requirements for biological science, physical science, problem solving, and the social world. A minimum of 8 units of upper division electives must be taken in an approved environmental off-campus (OC) program (e.g., Au Sable summer courses, or semester abroad in Creation Care Study Program, Latin American Studies Program, School for Field Studies, SEA semester).