

Environmental Science



Water Resources Theme Understanding water flows, including surface water and groundwater, their variability over time and space, their use, and their response to climate and pollutants are critical to maintaining a sustainable water supply. Career opportunities in water resources are found with government agencies, in the private sector with environmental or engineering consultants, with environmental groups, with companies that use significant water resources, and in education. Job opportunities involve resource assessment, resource development or utilization, or resource protection.

	BA	BS
Required (3 courses, 12 cr)	<input type="checkbox"/> ESCI 101 (5) Intro Env Sci <input type="checkbox"/> ESCI 250 (5) Env Res Methods <input type="checkbox"/> ESCI 494 (2) Senior Sem (W) 12	<input type="checkbox"/> ESCI 101 (5) Intro Env Sci <input type="checkbox"/> ESCI 250 (5) Env Res Methods <input type="checkbox"/> ESCI 494 (2) Senior Sem (W) 12
Social Sciences (1 course or 4 cr)	<i>One Course From</i> <input type="checkbox"/> ECON 350 (4) Env Nat Res Econ <input type="checkbox"/> GEOG 292S (4) Pop Geog <input type="checkbox"/> GEOG 230S (4) Urban Geog <input type="checkbox"/> POLI 221S (4) State Local Gov <input type="checkbox"/> POLI 321 (4) Public Policy 4	<i>Two Courses From</i> <input type="checkbox"/> ECON 350 (4) Env Nat Res Econ <input type="checkbox"/> GEOG 292S (4) Pop Geog <input type="checkbox"/> GEOG 230S (4) Urban Geog <input type="checkbox"/> POLI 221S (4) State Local Gov <input type="checkbox"/> POLI 321 (4) Public Policy 8
Math or Comp Sci	<input type="checkbox"/> Statistics from MATH 127Q (4), BUSI 110Q, MATH 227 (4), or PSYC 107Q (4) 4	<input type="checkbox"/> Statistics from MATH 127Q (4), BUSI 110Q, MATH 227 (4), or PSYC 107Q (4) <input type="checkbox"/> MATH 131Q (4) Essen Calc <i>OR</i> MATH 201Q (4) Calc I and Math 202Q (4) Calc II <i>OR</i> COMP 150 (5) Programming 8-9
Foundational Courses	<input type="checkbox"/> BIOL 180B (5) Concepts II <input type="checkbox"/> CHEM 121B (5) Mod of Chem Sys <input type="checkbox"/> CHEM 162B (5) Chem Struc Anal <input type="checkbox"/> GEOL 160B (5) Env Geol <i>OR</i> GEOL 170B (5) Critical Zone <input type="checkbox"/> GEOG 306 (4) Remote Sensing <i>AND</i> GEOL 291 (2) Sp Data Anal <i>OR</i> Geog 390 (5) GIS25- 26	<input type="checkbox"/> BIOL 180B (5) Concepts II <input type="checkbox"/> CHEM 121B (5) Mod of Chem Sys <input type="checkbox"/> CHEM 162B (5) Chem Struc Anal <input type="checkbox"/> GEOL 160B (5) Env Geol <i>OR</i> GEOL 170B (5) Critical Zone <input type="checkbox"/> GEOG 306 (4) Remote Sensing <i>AND</i> GEOL 291 (2) Sp Data Anal <i>OR</i> Geog 390 (5) GIS25- 26
Advanced Courses	<input type="checkbox"/> CHEM 201 (5) Org Chem <i>OR</i> GEOL 315 (4) Watershed Hydrology <input type="checkbox"/> CHEM 281(5) Anal Chem <input type="checkbox"/> GEOL 350 (5) Env Geochem 14-15	<input type="checkbox"/> CHEM 201 (5) Org Chem <i>OR</i> GEOL 315 (4) Watershed Hydrology <input type="checkbox"/> CHEM 281(5) Anal Chem <input type="checkbox"/> GEOL 350 (5) Env Geochem 14-15
Research or Practicum Experience		<input type="checkbox"/> ESCI 490, ESCI 491, ESCI 492 1-4
Credits	59-60	68-73