

University of Mount Union Environmental Science Program	<u>Environmental Science Major Checklist</u> (Updated: 8/28/2010)	NAME _____	Class of _____
	Core (required for all majors) (13 Sem. hrs.) _____EV 190 Intro to Environmental Sci. (3) _____EV 210 Hydrology and Water Resources (4) _____EV 350 Case Studies in Environmental Sci. (3) _____EV 400 Environmental Practicum (3)	Breadth Experience (required for all majors) (12-13 sem. hrs.) _____PL 290 Environmental Ethics (3) _____EC 105 Introduction to Economics (3) _____PS 207 Environmental Law and Policy (3) _____MA 123 or 141 or 151 Statistics or Calc I or Calc I for Life Sci. (3-4)	
	Chose ONE of the Depth Experiences below and complete all the requirements in that column		
<p style="text-align: center;"><u>Biology Depth Experience</u> (40 sem. hrs.)</p> _____BI 140 The Unity of Life (4) _____BI 141 The Diversity of Life (4) _____BI 220 Ecology (4) _____BI 321W Aquatic Ecology (4) _____CH 111W Concepts in Chemistry (4) _____CH 210 Environmental Chemistry(4) Additional 16 hours from the list below: _____ _____ _____ _____ BI 215 Evolutionary Biology BI 225W Tropical Biology BI 226 Tropical Biology Field Experience BI 230 Conservation Biology BI 250 Field Botany BI 280W Marine Biology BI 285 Vertebrate Zoology BI 305 Microbiology BI 315 Physiological Ecology BI 322 Ecotoxicology BI 325 Environmental Soil Science BI 360 Directed Study BI 405 Research	<p style="text-align: center;"><u>Chemistry Depth Experience</u> (40sem. hrs.)</p> _____CH 111W Concepts in Chemistry II (4) _____CH 210 Environmental Chemistry (4) _____CH 220 Analytical Chemistry I (4) _____CH 231 Organic Chemistry I (4) _____CH 341 Physical Chemistry I (3) _____CH 342W Physical Chemistry Lab (1) _____MA 142 Calculus II (4) _____PH 101 Physics I (4) _____PH 102 Physics II (4) Additional 8 hours from the list below: _____ _____ CH 160/260 Independent Study CH 214 Inorganic Chemistry I CH 232 Organic Chemistry II CH 299 Special Topics in Chem. CH 343& 344 Physical Chemistry II, CH 370 & 371 Biochemistry I CH 372 & 373 Biochemistry II CH 414 Inorganic Chemistry II CH 451 Analytical Chemistry II	<p style="text-align: center;"><u>Geology Depth Experience</u> (38 sem. hrs.)</p> _____GY 112 Physical Geology (4) _____GY 212Q Historical Geology (4) _____GY 301 Mineralogy (4) _____GY 325 Strat. and Sed. (4) _____BI 141 The Diversity of Life (4) _____CH 110W Found. in Chemistry (4) or 111W Concepts in Chemistry (4) Additional 14 hours from the list below (at least 7 hours of which must come from GY courses) _____ _____ _____ _____ GY 270 Regional Geology (3) GY 302 Petrology (4) GY 320 Paleontology (4) GY 330 Structural Geology (4) GY 410 Research (1-4) BI 322 Ecotoxicology (3) BI 325 Environmental Soil Science (4) EV 280 GIS: An Environmental Approach (3) CH 210 Environmental Chemistry (4) <i>Or another appropriate course with the approval of the director of the Environmental Science Program</i>	
NOTE: Cannot minor in Biology or Env. Sci	NOTE: Cannot minor in Chemistry or Envir. Sci.		NOTE: Cannot minor in Geology or Envir. Sci.

University of Mount Union Environmental Science

Environmental Science Minor Checklist (updated: 8/28/2010)

Note: Environmental Science minor is not open to students who are majoring in Environmental Science

The following three courses are required for all minors in Environmental Science:

- _____ EV 190 Introduction to Environmental Science (3)
- _____ EV 210 Hydrology and Water Resources (4)
- _____ EV 350 Case Studies in Environmental Sciences (3)

In addition chose ONE of the three options below and complete the requirement in that column.

<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>
BI 141 and at least 4 additional sem. hrs. in Biology at or above the 200 level _____ BI 141 The Diversity of Life (4) _____ <i>This choice cannot be selected by biology majors</i>	CH 111W and at least 4 additional sem. hrs. in Chemistry at or above the 200 level _____ CH 111W Concepts in Chemistry(4) _____ <i>This choice cannot be selected by chemistry majors</i>	GY 112 and at least 4 additional sem. hrs. in Geology at or above the 200 level _____ GY 112 Physical Geology (4) _____ <i>This choice cannot be selected by geology majors</i>