Major: B.S. in Environmental Science

Course Number	Course Name
University Core Curriculum at USI	
A1 Composition/Speech (9 hours)	
ENG 101	Rhetoric & Composition I
ENG 201	Rhetoric & Composition II
CMST 101	Intro to Public Speaking
A2 Mathematics (3-4 hours)	
MATH 230	Calculus I (+ES requirment)
B1 Ethics (3 hours)	
PHIL 201	Intro to Ethics
B2 The Arts (3 hours)	
ART 201	Intro to Visual Arts
B3 Health/Fitness (2 hours)	
KIN 186 & Activity	Wellness/Fitness Appraisal & 100-level activity class
C1 History (3 hours)	
HIST 101	US to 1865
C2 Individual Development/Social Behavior (6 hours)	
PSY 201	Intro to Psychology
SOC 121	Principles of Sociology
C3 Science (8-9 hours)	
GEOL 151 or GEOL 161	Geology of National Parks or Introduction to Geology (+ES requirement)
BIOL 141	Principles of Biology (+ES requirment)
C4 Western Culture (6 hours)	
HUM 211	Humanities I
HUM 212	Humanities II
C5 Global Communities (3 hours)	
GEOG 330	World Geography
D1 Synthesis (3 hours)	
GEOL 481	Advanced Environmental Geology (+ES requirment)
	TOTAL CORE
Environmental Science Core Courses (C or better)	
GEOG 112 **or** GEOL 131	Earth System Science **or** Geology, Environment or Society
BIOL 215	Ecology
GEOL 311	Concepts in Environmental Science
GEOL 481	Advanced Environmental Geology (+satisfies core)
	TOTAL ES Core Courses (remove credits for GEOL 481)
Environmental Science Required Coursework	
GEOL 151 or GEOL 161	Geology of National Parks or Introduction to Geology (+satisfies core)
GEOL 234	Oceans Present, Past & Future (Oceanography)
GEOG 215	Climatology
CHEM 321	Quantitative Analysis
GEOL 407	Geomorphology
GEOL 441	Hydrogeology
BIOL 452	Biology & Environmental Science of Global Change

Choose at least 9 credit hours from the following:	
ECON 338	Environmental & Resource Economics
POLS 464	Environmental Politics and Policy
PHIL 366	Environmental Ethics
SOC 415	Sociology of the Environment
Choose at least 9 credit hours from the following:	
BIOL 221	Introduction to Entomology
BIOL 305	Aquatic Biology
BIOL 306	Ichthyology
BIOL 321	Invertebrate Zoology
BIOL 336	Plant Physiology
BIOL 361	Plant Systematics
BIOL 459	Advanced Ecology
CHEM 241	Organic/Biochemistry Principles or
CHEM 354	Organic Chemistry II
CHEM 341	Environmental Chemistry
GEOL 411	Geology of Soils
GEOL 455	Global Quaternary Env. & Geologic Change
GEOL 465	Introduction to GIS
GEOL 475	Remote Sensing and Image Analysis
GEOL/CHEM 499; BIOL 492	Independent Research (Max of 4 credits counting toward ES degree)
ENGR 265	Energy Systems & Sustainable Design
ENGR 428	Environmental Engineering*
ENGR 429	Water Resources*
	TOTAL ES Required Courses (remove credits for GEOL 151 or 161)
Supporting Science Courses & Prerequisites	
BIOL 141	Principles of Biology (+satisfies core)
BIOL 151	Botany
BIOL 152	Zoology
CHEM 261	General Chemistry I
CHEM 262	General Chemistry II
PHYS175	General Physics I
MATH 230	Calculus I (+satisfies core)
	TOTAL Supporting Sciences (remove credits for BIOL 141 & MATH 230)
Supporting Social Science Courses	
Choose one course from the following:	
SOC 370	Seminar: w/ Variable Topics
SOC 370	Seminar: Global Climate Change
PHIL 435	Philosophy of Science
	TOTAL Supporting Social Science Courses
	GRAND TOTAL FOR B.S. in ENVIRONMENTAL SCIENCE

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