

BACHELOR OF SCIENCE IN ENVIRONMENTAL GEOLOGY

| <u>REQUIRED CORE CLASSES</u> | | <u>CREDITS</u> |
|-------------------------------------|-----------------------------------|-----------------------|
| GEOL 101 | Introduction to Geology | 5 |
| GEOL 201 | Climate & Water | 3 |
| GEOL 202 | Natural Hazards & Tectonics | 3 |
| GEOL 203 | Earth History | 3 |
| GEOL 210 | Intro to Geologic Field Methods | 4 |
| GEOL 320 | Rocks & Minerals | 5 |
| GEOL 370 | Sedimentology & Stratigraphy | 5 |
| GEOL 382 | Earth Resources & Pollution | 4 |
| GEOL 384 | Ocean, Atmosphere, & Climate | 4 |
| GEOL 386 | Geomorphology | 5 |
| GEOL 445 | Hydrogeology | 5 |
| GEOL 487 | End of Major Review | 1 |
| GEOL 493 | Field Methods in Environ. Geology | 4 |

| <u>ELECTIVE MENU</u> | | <u>CREDITS</u> |
|-------------------------------|---------------------------------|-----------------------|
| BIOL 362 | Biomes of the Pacific Northwest | 4 |
| CHEM 345 | Environmental Chemistry | 5 |
| GEOG 361 | Soils | 5 |
| GEOG 382 | Environmental Hydrology | 5 |
| GEOL 306 | Communicating Geology | 4 |
| GEOL 346 | Mineralogy | 5 |
| GEOL 351 | Pacific Northwest Geology | 3 |
| GEOL 377 | Regional Natural History | 5 |
| GEOL 415 | Earthquake Geology | 5 |
| GEOL 423 | The Cryosphere | 5 |
| GEOL 425 | Environmental Geochemistry | 5 |
| GEOL 430 | Remote Sensing | 5 |
| GEOL 434 | Petroleum Geology | 5 |
| GEOL 441 | Climate Variability & Change | 5 |
| GEOL 470 | Fluvial Geomorphology | 4 |
| GEOL 472 | Coastal Geomorphology | 3 |
| GEOL 474 | Quaternary Geology | 4 |
| GEOL 476 | Advanced Sedimentology | 4 |
| GEOL 478 | Volcanology | 5 |
| GEOL 483 | Isotope Geochemistry | 5 |
| MINIMUM ELECTIVE TOTAL | | 13 |

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| <u>INTERDISCIPLINARY ELECTIVE (pick one)</u> | | <u>CREDITS</u> |
|--|-----------------------------|----------------|
| ANTH 352 | Anthropology of Env. Issues | 4 |
| ECON 462 | Environmental Economics | 5 |
| ENST 303 | Env. Resource Management | 5 |
| ENST 310 | Energy & Society | 5 |
| ENST 330 | Env. Leadership & Advocacy | 5 |
| GEOG 305 | Intro to Land Use Planning | 5 |
| GEOG 373 | Water Resources | 4 |
| GEOG 445 | Environmental Law | 5 |
| PHIL 306 | Environmental Ethics | 5 |
| POSC 344 | Environmental Politics | 5 |
| SOC 380 | Environmental Sociology | 5 |

| <u>ALLIED SCIENCES</u> | | <u>CREDITS</u> |
|------------------------|-------------------------------|----------------|
| MATH 172 | Calculus I | 5 |
| MATH 173 | Calculus II | 5 |
| CHEM 181 | General Chemistry I (& lab) | 5 |
| CHEM 182 | General Chemistry II (& lab) | 5 |
| CHEM 183 | General Chemistry III (& lab) | 5 |
| PHYS 181 | General Physics I (& lab) | 5 |
| PHYS 182 | General Physics II (& lab) | 5 |
| MINIMUM ELECTIVE TOTAL | | 35 |

BS in Environmental Geology 104 credits

CWU Geology website: geology.cwu.edu

Lisa Ely and Carey Gazis, advisors