

BACHELOR OF ARTS IN 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 351 | Pacific Northwest Geology | 3 |
| GEOL 370 | Sedimentology & Stratigraphy | 5 |
| GEOL 382 | Earth Resources & Pollution | 4 |
| GEOL 384 | Ocean, Atmosphere, & Climate | 4 |
| GEOL 386 | Geomorphology | 5 |
| GEOL 487 | End of Major Review | 1 |
| PHYS 101 | Introductory Astronomy | 5 |

| <u>ELECTIVE MENU</u> | | <u>CREDITS</u> |
|-------------------------------|------------------------------|-----------------------|
| GEOG 361 | Soils | 5 |
| GEOG 388 | Weather & Climate | 5 |
| GEOL 346 | Mineralogy | 5 |
| GEOL 360 | Structural Geology | 5 |
| GEOL 371 | Paleobiology | 4 |
| GEOL 415 | Earthquake Geology | 5 |
| GEOL 434 | Petroleum Geology | 5 |
| GEOL 441 | Climate Variability & Change | 5 |
| GEOL 445 | Hydrogeology | 5 |
| GEOL 477 | Tsunami Geology & Geophysics | 2 |
| GEOL 478 | Volcanology | 5 |
| MINIMUM ELECTIVE TOTAL | | 8 |

| <u>ADVANCED FIELD (pick one)</u> | | <u>CREDITS</u> |
|---|-------------------------------------|-----------------------|
| GEOL 490 | Cooperative Education | 1-12 |
| GEOL 493 | Field Methods Environmental Geology | 4 |
| GEOL 495 | Field Methods Environmental Geology | 1-6 |

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| <u>SCIENCE COMMUNICATION (pick one)</u> | <u>CREDITS</u> |
|--|----------------|
| ANTH 361 Museum Exhibit Design | 4 |
| ENG 310 Technical Writing | 4 |
| ENST 330 Environmental Leadership & Advocacy | 5 |
| GEOL 306 Communicating Geoscience | 4 |
| GEOL 492A Experience Teaching Upper-level Geology | 2 |
| GEOL 492B Lab Experience Teaching in Earth Science | 2 |
| SCED 411 Field Experience in Communicating Science | 2 |
| STP 201 Inquiry Approaches to Teaching | 2 |
| STP 300 Inquiry Approaches to Teaching & Design | 4 |

| <u>ALLIED SCIENCES</u> | <u>CREDITS</u> |
|------------------------|----------------|
|------------------------|----------------|

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|--------------------------|---|
| MATH 154 Pre-Calculus II | 5 |
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Pick two:

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| MATH 172 Calculus I | 5 |
| MATH 173 Calculus II | 5 |
| CHEM 111 Intro to Chemistry I (& lab) | 5 |
| CHEM 112 Intro to Chemistry II (& lab) | 5 |
| PHYS 111 Intro to Physics I (& lab) | 5 |
| PHYS 112 Intro to Physics II (& lab) | 5 |

MINIMUM ELECTIVE TOTAL 30

total for BA in Geology **78-82 credits**

Graduating Seniors:

CWU requires a minimum of 60 Upper Division credits.
(300 or 400 level courses)

Nick Zentner
Room 134 in Discovery Hall

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Nick's email: nick@geology.cwu.edu

CWU Geology website: www.geology.cwu.edu