

G&G UNDERGRADUATE ADVISOR'S CHECKLIST FOR **BA** REQUIREMENTS

TRACK: Environmental Earth Science

Boxes are checked off only if a grade of C (not C-) or better is earned in the course.

STUDENT'S NAME: _____

I.D. NUMBER: _____

EMAIL ADDRESS: _____@hawaii.edu

ADVISOR: _____

SEMESTER & YEAR ENTERED UHM: _____ GG: _____

UHM CLASS STATUS UPON ENTRY: _____

CHEMISTRY, MATH, PHYSICS & BIOLOGICAL SCIENCE REQUIREMENTS

- | | |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <input type="checkbox"/> _____ CHEM 161, General Chemistry (3) | <input type="checkbox"/> _____ CHEM 162, General Chemistry II (3) |
| <input type="checkbox"/> _____ CHEM 161L, General Chemistry Lab (1) | <input type="checkbox"/> _____ CHEM 162L, General Chemistry Lab II (1) |
| <input type="checkbox"/> _____ MATH 215, Applied Calculus OR MATH 241, Calculus I (4) | |
| <input type="checkbox"/> _____ PHYS 151, College Physics I (3) | <input type="checkbox"/> _____ PHYS 152, College Physics II (3) |
| <input type="checkbox"/> _____ PHYS 151L, College Physics I Lab (1) | <input type="checkbox"/> _____ PHYS 152L, College Physics II Lab (1) |

ONE OF THE FOLLOWING BIOLOGICAL SCIENCE COURSES:

- BIOL 171, Introductory Biology (3)
- MICRO 130, General Microbiology (3)
- ZOOL 101, Principles of Zoology (3)

GG REQUIRED(30 credits)

One of the following:

- | | |
|---------------------------------------------------------------------------|----------------------------------------------------------------------|
| <input type="checkbox"/> _____ GG 101 Dynamic Earth (3) | <input type="checkbox"/> _____ GG 106 Humans and the Environment (3) |
| <input type="checkbox"/> _____ GG 102 Introduction to Global Change (3) | <input type="checkbox"/> _____ GG 130 Geologic Hazards (3) |
| <input type="checkbox"/> _____ GG 103 Geology of the Hawaiian Islands (3) | <input type="checkbox"/> _____ GG 170 Physical Geology (4) |
| <input type="checkbox"/> _____ GG 104 Volcanoes in the Sea (3) | |

Each of the following:

- | | |
|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <input type="checkbox"/> _____ GG 101L Dynamic Earth Lab (1) [unless GG 170 is taken] | <input type="checkbox"/> _____ GG 410 Research Seminar (2) |
| <input type="checkbox"/> _____ GG 200 Geological Inquiry (4) | <input type="checkbox"/> _____ GG 455, Hydrogeology (4) |
| <input type="checkbox"/> _____ GG 305 Geological Field Methods (3) | <input type="checkbox"/> _____ GG 460, Geological Remote Sensing (4) |
| <input type="checkbox"/> _____ GG 309 Sedimentology & Stratigraphy (4) | <input type="checkbox"/> _____ GG 461, Geospatial Information (3) |
| <input type="checkbox"/> _____ GG 325 Fundamentals of Geochemistry (3) OR GG 425 Environmental Geochemistry (3) | |

SCIENCE ELECTIVES; (Required: 15 credits)

- | | |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <input type="checkbox"/> GG 250, Scientific Programming (3) | <input type="checkbox"/> GG 425, Environmental Geochemistry (3) |
| <input type="checkbox"/> GG 300, Volcanology (3) | <input type="checkbox"/> GG 444, Plate Tectonics (3) |
| <input type="checkbox"/> GG 301, Mineralogy (4) | <input type="checkbox"/> GG 450, Geophysical Methods (4) |
| <input type="checkbox"/> GG 302, Igneous and Metamorphic Petrology (3) | <input type="checkbox"/> GG 451, Earthquakes (3) |
| <input type="checkbox"/> GG 303, Structural Geology (3) | <input type="checkbox"/> GG 454, Engineering Geology (3) |
| <input type="checkbox"/> GG 304, Physics of Earth & Planets (4) | <input type="checkbox"/> GG 466, Planetary Geology (3) |
| <input type="checkbox"/> GG 312, Geomathematics (3) | <input type="checkbox"/> GG 499, Undergraduate Thesis (3) |
| <input type="checkbox"/> GG 325, Fundamentals of Chemistry(3) | <input type="checkbox"/> GEOG 405, Water in the Environment (3) |
| <input type="checkbox"/> GG 395, Undergraduate Internship (V) | <input type="checkbox"/> NREM 477, Geographic Information Systems for Resource Managers (3) |
| <input type="checkbox"/> GG 399, Directed Reading (V) | <input type="checkbox"/> OCN 320, Aquatic Pollution (3) |
| <input type="checkbox"/> GG 402, Hawaiian Geology (3) | <input type="checkbox"/> TPSS 304, Fundamentals of Soil Science (4) |
| <input type="checkbox"/> GG 406, Natural Disasters (3) | |
| <input type="checkbox"/> GG 407, Energy & Mineral Resources (3) | <input type="checkbox"/> _____ |
| <input type="checkbox"/> GG 413, Geological Data Analysis I (3) | <input type="checkbox"/> _____ |
| <input type="checkbox"/> GG 420, Coastal Geology (3) | <input type="checkbox"/> _____ |
| <input type="checkbox"/> GG 421, Geologic Record of Climate Change (3) | |
| <input type="checkbox"/> GG 423, Marine Geology (3) | <input type="checkbox"/> _____ |