

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

TRACK: Earth Science Education

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:

- | | |
|---|--|
| <input type="checkbox"/> BIOL 171, Introductory Biology (3) | <input type="checkbox"/> MICRO 130, General Microbiology (3) |
| <input type="checkbox"/> BOT 101, General Botany (3) | <input type="checkbox"/> ZOOL 101, Principles of Zoology (3) |
| <input type="checkbox"/> BOT 105, Ethnobotany (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"/> _____ OCN 201L, Science of the Sea Lab (1) |
| <input type="checkbox"/> _____ MET 101, Introduction to Meteorology (3) | <input type="checkbox"/> _____ GG 300, Volcanology (3) |
| <input type="checkbox"/> _____ MET 101L, Introduction to Meteorology Lab (1) | <input type="checkbox"/> _____ GG 305, Geological Field Methods (3) |
| <input type="checkbox"/> _____ GG 105, Voyage through Solar System (3) | <input type="checkbox"/> _____ OCN 310, Global Environmental Change (3) |
| <input type="checkbox"/> _____ OR ASTR 110, Survey of Astronomy (3) | <input type="checkbox"/> _____ GG 406, Natural Disasters (3) |
| <input type="checkbox"/> _____ GG 200, Geological Inquiry (4) | <input type="checkbox"/> _____ ITE 401, Engaging the Adolescent Learner (3) |
| <input type="checkbox"/> _____ MET 200, Atmospheric Processes & Phenomena (3) | <input type="checkbox"/> _____ GG 410, Research Seminar (2) |
| <input type="checkbox"/> _____ OCN 201, Science of the Sea (3) | |

SCIENCE ELECTIVES; (Required: 5 credits)

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|--|---|
| <input type="checkbox"/> GG 301, Mineralogy (4) | <input type="checkbox"/> GG 425, Environmental Geochemistry (3) |
| <input type="checkbox"/> GG 302, Igneous and Metamorphic Petrology (3) | <input type="checkbox"/> GG 444, Plate Tectonics (3) |
| <input type="checkbox"/> GG 303, Structural Geology (3) | <input type="checkbox"/> GG 450, Geophysical Methods (4) |
| <input type="checkbox"/> GG 304, Physics of Earth & Planets (4) | <input type="checkbox"/> GG 451, Earthquakes (3) |
| <input type="checkbox"/> GG 312, Geomathematics (3) | <input type="checkbox"/> GG 454, Engineering Geology (3) |
| <input type="checkbox"/> GG 325, Fundamentals of Chemistry(3) | <input type="checkbox"/> GG 455, Hydrogeology (4) |
| <input type="checkbox"/> GG 395, Undergraduate Internship (V) | <input type="checkbox"/> GG 460, Geological Remote Sensing (4) |
| <input type="checkbox"/> GG 399, Directed Reading (V) | <input type="checkbox"/> GG 461, Geospacial Information (3) |
| <input type="checkbox"/> GG 402, Hawaiian Geology (3) | <input type="checkbox"/> GG 466, Planetary Geology (3) |
| <input type="checkbox"/> GG 407, Energy & Mineral Resources (3) | <input type="checkbox"/> GEOG 405, Water in the Environment (3) |
| <input type="checkbox"/> GG 413, Geological Data Analysis I (3) | <input type="checkbox"/> NREM 477, Geographic Information Systems for Resource Managers (3) |
| <input type="checkbox"/> GG 420, Coastal Geology (3) | <input type="checkbox"/> OCN 320, Aquatic Pollution (3) |
| <input type="checkbox"/> GG 421, Geologic Record of Climate Change (3) | <input type="checkbox"/> OCN 331, Living Resources of the Sea (3) |
| <input type="checkbox"/> GG 423, Marine Geology (3) | <input type="checkbox"/> OCN 357, Ridge to Reef: Coastal Ecosystem Ecology & Connectivity (3) |
| | <input type="checkbox"/> TPSS 304, Fundamentals of Soil Science (4) |
