

GEOGRAPHY CONCENTRATION

(B.S. Geosciences)

__ TBR Common Core General Education (see specific requirements below): 41 Credit Hours

__ University-Wide Freshman Seminar Requirement: (APSU 1000): 1 Credit Hour

Specific General Education Requirements: 14 Credit Hours (included in 41 common core hours)

__ CHEM 1010/1011 – Introductory Chemistry I (and lab) 4 or higher

__ GEOG 1035 - World Regional Geography 1 3

__ GEOL 1040/1041 - Physical Geology (and lab) 4

__ MATH 1530 - Elements of Statistics 4 or higher

Specific Requirements for all Geosciences majors: 11 Credit Hours

__ GEOG 1015 - Physical Geography 3

__ GEOG 3060/3061 - Statistics in the Geosciences (and lab) 4

__ GEOG 3150/3151 - Geographic Information Systems I (and lab) 4

Lower Division Geography Concentration Requirement: 3 Credit Hours

__ GEOG 1045 - World Regional Geography 2 3

Upper Division Geography Concentration Requirement: 3 Credit Hours

__ GEOG 4040 - Sustainable Development 3

Geography Concentration Electives

Group 1: Geography: at least 32 Credit Hours

Complete at least six (6) Credit Hours of regional courses from the following:

__ GEOG 3110 - Geography of the United States and Canada 3

__ GEOG 3120 - Geography of Asia 3

__ GEOG 3130 - Geography of the Middle East 3

__ GEOG 3750 - Geography of the African World 3

Complete at least six (6) Credit Hours of technique/method courses from the following:

__ GEOG 3250/3251 - Geographic Information Systems II (and lab) 3

__ GEOG 3920 - Field Mapping and Global Positioning System 3

__ GEOG 4250 - Applied Geographic Information Systems 3

__ GEOG 4260/4261 - Remote Sensing (and lab) 4

Complete at least twelve (12) Credit Hours of physical-environmental geography courses from the following:

__ GEOG 3450/3451 - Oceanography (and lab) 4

__ GEOG 3930 - Natural Hazards in Environment 3

__ GEOG 3940 - Technological Hazards in the Environment 3

__ GEOG 4000 - Environmental Management 3

__ GEOG 4010 - Environmental Assessment 3

__ GEOG 4170/4171 - Meteorology (and lab) 4

__ GEOG 4180/4181 - Climatology (and lab) 4

__ GEOG 4650 - Field Study Biogeography and Biodiversity 4

Group 2: Supporting Disciplines: 12 Credit Hours from any classes in the four areas below

Area 1: Natural Sciences

- AGRI 2210/2011 - Soils (and lab) 4
- AGRI 4220/4221 - Soil and Water Conservation (and lab) 3
- AGRI 4230 - Land Use 3
- AGRI 4420/4421 - Forestry (and lab) 3
- BIOL 1110/1111 - Principles of Biology I (and lab) 4
- GEOL 3030/3031 - Environmental Geology (and lab) 4
- GEOL 4050/4051 - Process Geomorphology (and lab) 4
- Up to 12 hours of physics and/or astronomy chosen in consultation with the student's advisor.

Area 2: Social Sciences

- HIST 3470 - Modern Latin America 3
- PHIL 2200 - Religion and the World 3
- POLS 2070 - International Politics 3
- POLS 3120 - European Politics 3
- POLS 3140 - Latin American Politics 3
- POLS 3190 - Russian Politics and Government 3
- POLS 3200 - Politics and Government in China 3
- POLS 3300 - International Political Economy 3
- SOC 3750 - Population Dynamics 3

Area 3: Computer Science

- CSCI 1017 - Introduction to Python Programming 3
- CSCI 3300 - Introduction to Web Development 3
- CSCI 4000 - Advanced Web Development 3
- CSCI 4400 - Principles of Database Management 3

Area 4: Foreign Language

- Any 2000-level or above foreign language courses.

Electives: 15-16 Credit Hours

Additional courses from above or other courses with major advisor permission.

Program Total: 120 Credit Hours