### BS Environmental Studies, Geography and Planning

**GEP FOUNDATION** 11 units

**Environmental Systems**
- □ GEP 201 Global Environmental Systems (3, GE B1)
- □ GEP 203 Human Geography (3, GE D)
- □ GEP 206 Society, Environ. & Sustainable Dvlpmnt (3, GE E)
- □ GEP 305/6 World Regions in Global Context (3, GE UD D)

**Society, Environment and Development (choose one)**
- □ GEP 203 Human Geography (3, GE D)
- □ GEP 206 Society, Environ. & Sustainable Dvlpmnt (3, GE E)
- □ GEP 305/6 World Regions in Global Context (3, GE UD D)

**Environmental Inquiry and Analysis (take both)**
- □ GEP 211 GEP Forum (1)
- □ GEP 280 Foundations in Environ. Data & Analysis (4)

**NATURAL & DATA SCIENCE FOUND** 10 units

**Biological Science Theme**
- □ BIOL 130 Intro Cell Biology and Genetics (4, GE B2, B3)
- □ BIOL 131 Biological Diversity and Ecology (4, GE B2, B3)

**Physical Science Theme**
- □ CHEM 110 or CHEM 115A (3-5, GE B1 or B1, B3)
- □ CHEM 115B (5, GE B1, B3)
- □ PHYS 114 or 210A (3-4, GE B1 or B3)
- □ PHYS 214 or 210B (3-4)

**Geospatial Data Science Theme**
- □ CS 115 Programming I (4)

**BREADTH** 15 units

**Society, Environment and Development**
- □ GEP 324 Climate Change & Society (4)
- □ GEP 325 Global Food Systems (4)
- □ GEP 330 Environmental History (4)

**Environmental Systems**
- □ GEP 340 Applied Ecology (3)
- □ GEP 351 Natural Hazards (3, GE UD B)
- □ GEP 355 Weather and Climate (3, GE UD B)

**Sustainable Communities**
- □ GEP 360 Intro to Urban and Regional Planning (4)
- □ GEP 370 Globalization and the City (4)
- □ GEP 373 Energy, Technology, & Society (4)

**Geospatial Analysis**
- □ GEP 387 Introduction to GIS (4)

**PROFESSIONAL PREP & EXPERIENCE** 5 units

NOTE: * 310 & 311 required; 311 is repeatable but only 1 unit counts here
- □ GEP 310 Professional Development (2) *
- □ GEP 311 Research Colloquium (1) *
- □ GEP 201b Global Environmental Systems Lab (1, GE B3)
- □ GEP 312 Professional Conferences (1-2)
- □ GEP 313 Field Experience (1-2)
- □ GEP 316 Research Assistant in GEP (1-4)
- □ GEP 317 Internship (1-3)
- □ GEP 318 Agroecology in Practice (2)
- □ GEP 319 Native Plant Propagation in Practice (2)

**SUPPORTING (outside GEP)** 6 units

NOTE: Substitutions possible in consultation with an advisor. Classes may have LD prerequisites

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<th>Biological Science Theme</th>
<th>Physical Science Theme</th>
<th>Data Science Theme</th>
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<td>MATH 161; PHYS 381</td>
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**GEP ELECTIVES** 21 units

NOTE: Take 3 courses in one focus area. Take additional electives within any focus area to reach 21 units. Take a 400-level course during junior/senior year (72+ units). Breadth courses do not count as electives. Special topics (GEP 396; 397) may apply to a focus in consultation with an advisor.

**Focus 1: Environmental Management & Policy**
- □ GEP 323 Resource Mgmt. & Devel. Global Pers (4)
- □ GEP 324 Climate Change & Society (4)
- □ GEP 325 Global Food Systems (4)
- □ GEP 330 Environmental History (4)
- □ GEP 333 Natural Resource Planning (4)
- □ GEP 335 US Environmental Policy (4)
- □ GEP 336 US Environmental Law (3)
- □ GEP 337 Landscape History of the Am. West (4)
- □ GEP 360 Intro to Urban and Regional Planning (4)
- □ GEP 362 Environmental Impact Assessment (3-4)
- □ GEP 367 Transportation Policy and Technology (3-4)
- □ GEP 368 Urban Design (3-4)
- □ GEP 422 Globalization and Environments (4)
- □ GEP 431 Restoration and Society (4)

**Focus 2: Environmental Systems**
- □ GEP 340 Applied Ecology (3)
- □ GEP 343 Biogeography (4)
- □ GEP 344 Field Methods (2)
- □ GEP 345 Lab Methods (2)
- □ GEP 346 Restoration Ecology (4)
- □ GEP 350 Geomorphology (4)
- □ GEP 351 Natural Hazards (3, GE UD B)
- □ GEP 352 Soil Science (3-4)
- □ GEP 354 Watershed Hydrology and Management (4)
- □ GEP 355 Weather and Climate (3, GE UD B)
- □ GEP 447 Conservation Biology (4)
- □ GEP 456 Global Climate Change (4)

**Focus 3: Energy Management & Design**
- □ GEP 373 Energy, Technology, & Society (4)
- □ GEP 374a Strategies for carbon and energy reductions (3)
- □ GEP 374b Laboratory Methods for Energy (1)
- □ GEP 375 Renewable & Resilient Energy Sources (4)
- □ GEP 476 Energy Services and Efficiency (4)

**Focus 4: Geospatial Science**
- □ GEP 380 Environmental Remote Sensing (4)
- □ GEP 385 Cartographic Visualization (3-4)
- □ GEP 388 Environmental GIS (3-4)
- □ GEP 486 Environmental Data Analysis (4)
- □ GEP 489 Advanced GIS (3-4)

4/16/21