

SUSTAINABILITY SCIENCE MINOR

Program Requirements

| Code | Title | Credits |
|--|--|-----------|
| Core Requirements | | |
| <i>Core Course in Human Systems & Sustainability</i> | | |
| EAES 160 | The Human Environment | 3 |
| <i>Core Course in Scientific Investigations and Sustainability</i> | | |
| EAES 101 | Planet Earth | 4 |
| or EAES 107 | Earth and the Environment | |
| <i>Core Course in Sustainability Literacy</i> | | |
| EAES 202 | Introduction to Sustainability Science | 3 |
| Required Capstone Seminar | | |
| EAES 402 | Sustainability Science Seminar | 3 |
| Human Systems and Sustainability Elective | | |
| Complete one course from any category in the list below: | | 3 |
| Scientific Investigations and Sustainability Elective | | |
| Complete one course from any category in the list below: | | 3 |
| Total Credits | | 19 |

Human Systems and Sustainability Elective

| Code | Title | Credits |
|--------------------------------|---|---------|
| <i>Global Systems</i> | | |
| ANTH 360 | Environmental Anthropology | 3 |
| ANTH 423 | Community and Health | 3-4 |
| ANTH 429 | Building Sustainable Communities | 3-4 |
| EAES 260 | Energy, Environment and Society | 3 |
| EAES 300 | Energy Transitions: A Global Dependence | 3 |
| ECON 215 | The Economics of Social Problems | 3 |
| ECON 414 | Economics of Natural Resources and Global Warming | 3 |
| ECON 419 | Economics Of Energy And Environmental Policy | 3 |
| SOCI 220 | Sociology of Rich and Poor Nations | 3 |
| SOCI 312 | Environmental Sociology | 3 |
| SOCI 314 | Environmental Justice | 3 |
| <i>Urban Systems</i> | | |
| ANTH 255 | Urban Anthropology | 3 |
| ANTH 422 | Environment and Community | 3-4 |
| EAES 281 | Introduction to American Urban Studies | 3 |
| EAES 283 | Urban Geography | 3 |
| EAES 380 | Transportation | 3 |
| EAES 385 | Urbanization and Environment | 3 |
| EAES 391 | Quantitative Methods in Geography and Urban Studies | 3 |
| EAES 484 | Urban Planning | 3 |
| POLS 315 | Urban Administration | 3 |
| SOCI 311 | Urban Sociology | 3 |
| <i>Decision-Making Systems</i> | | |
| EAES 361 | Environmental Policy | 3 |
| EAES 363 | Geopolitics | 3 |

| | | |
|----------|--|---|
| EAES 460 | Environmental Law | 3 |
| ECON 371 | World Trade and Investment | 3 |
| INBS 250 | Introduction to International Business | 3 |
| LAWS 220 | Conflict and Its Resolution | 3 |
| MGMT 231 | Management Processes | 3 |
| MGMT 315 | Organizational Behavior | 3 |
| MGMT 363 | Business and Society | 3 |
| MGMT 436 | Strategic Project Management | 3 |
| POLS 324 | American Public Policy | 3 |

Scientific Investigations and Sustainability Elective

| Code | Title | Credits |
|--|--|---------|
| <i>Surface Processes</i> | | |
| EAES 200 | Geomorphology | 3 |
| EAES 210 | Introduction to GIS and Remote Sensing | 3 |
| EAES 310 | Geographic Information Systems (GIS) | 3 |
| EAES 311 | Fundamentals of Remote Sensing of Environment | 3 |
| EAES 321 | Economic Geology | 3 |
| EAES 340 | Sedimentology | 4 |
| EAES 341 | Principles of Soil Science | 3 |
| EAES 410 | Special Topics in Advanced GIScience | 3 |
| EAES 451 | Coastal Marine Geology | 4 |
| <i>Climate and Hydrologic Processes</i> | | |
| EAES 201 | Understanding Weather and Climate | 4 |
| EAES 230 | Hydrology | 3 |
| EAES 250 | Introduction to Marine Sciences | 4 |
| EAES 301 | Climatology | 3 |
| EAES 330 | Fluvial Geography | 3 |
| EAES 331 | Geohydrology | 3 |
| EAES 332 | Hydroclimatology | 3 |
| EAES 350 | Oceanography | 3 |
| EAES 403 | Meteorology | 4 |
| <i>Biological and Chemical Processes</i> | | |
| AQUA 351 | Aquatic Biological Processes | 4 |
| BIOL 254 | Applied Microbiology | 3 |
| BIOL 300 | Environmental Biology and Related Controversial Issues | 3 |
| BIOL 370 | Principles of Ecology | 3 |
| BIOL 460 | Biological Oceanography | 3 |
| BIOL 461 | Aquatic Ecology | 3 |
| CHEM 230 | Organic Chemistry I | 3 |
| CHEM 231 | Organic Chemistry II | 3 |
| CHEM 232 | Experimental Organic Chemistry I | 2 |
| CHEM 233 | Experimental Organic Chemistry II | 2 |
| CHEM 320 | Environmental Chemical Analysis | 3 |
| CHEM 325 | Atmospheric Chemistry | 3 |
| CHEM 330 | Green Chemistry | 3 |
| EAES 322 | Environmental Geochemistry | 3 |
| EAES 427 | Organic Geochemistry | 3 |