

# Foundations of Sustainability Minor

## 2016-2017 Requirements

### Required Courses: 9 Credits

- \_\_\_ SUST 1103 Foundations of Sustainability (Sp)
- \_\_\_ SUST 2103 Applications of Sustainability (Fa)
- \_\_\_ SUST 4103 Capstone Project in Sustainability (Sp)

### Elective Courses: 9 Credits

- \_\_\_ Tier 1 Elective: \_\_\_\_\_
- \_\_\_ Tier 1 Elective: \_\_\_\_\_
- \_\_\_ Tier 1 **or** Tier 2 Elective: \_\_\_\_\_

**STUDENTS MUST EARN A GRADE OF 'C' OR BETTER FOR ALL COURSES USED TO FULFILL THE REQUIREMENTS OF THE FOUNDATIONS OF SUSTAINABILITY MINOR.**

**STUDENTS MAY TAKE COURSES FROM ANY SYSTEMS AREA AND FROM ANY COMBINATION OF AREAS.**

### Tier 1 ————— Natural Systems ————— Tier 2

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|---|--|
| ___ BENG 4933 Sustainable Watershed Engineering           | ___ BIOL 1543 Principles of Biology                  |
| ___ BIOL 3861L General Ecology Lab                        | ___ CHEM 1103 University Chemistry I                 |
| ___ BIOL 3863 General Ecology                             | ___ CHEM 1123 University Chemistry II                |
| ___ BIOL 4154 Biology of Global Change                    | ___ CHEM 3603 Organic Chemistry I                    |
| ___ BIOL 4174 Conservation Genetics                       | ___ CHEM 3703 Organic Chemistry I Lecture for Majors |
| ___ CHEM 4283 Energy Conversion and Storage               | ___ CSES 2203/2201L Soil Science                     |
| ___ CSES 3214 Soil Resources & Nutrient Cycles            | ___ ENSC 1003 Environmental Science                  |
| ___ ENSC 3003 Introduction to Water Science               | ___ GEOS 1113/1111L General Geology + Lab            |
| ___ ENSC 3103 Plants & Environmental Restoration          | ___ GEOS 1133/1131L Earth Science + Lab              |
| ___ ENSC 3223/3221L Ecosystem Assessment                  | ___ GEOS 2003 World & Regional Geography             |
| ___ ENSC 3263 Soil & Water Conservation                   | ___ GEOS 3333 Oceanography                           |
| ___ ENSC 4023 Water Quality                               | ___ GEOS 3383 Principles of Landscape Evolution      |
| ___ ENSC 4263 Environmental Soil Science                  | ___ GEOS 4033 Hydrogeology                           |
| ___ GEOS 3043 Sustaining Earth                            | ___ GEOS 4053 Geomorphology                          |
| ___ GEOS 4933 Ancient Forests: Science and Sustainability | ___ GEOS 4063 Principles Geochemistry                |
|   | ___ GEOS 4353 Meteorology                            |
|   | ___ GEOS 4363 Climatology                            |
|   | ___ GEOS 4413 Principles of Remote Sensing           |
|   | ___ MATH 4163/BIOL4163 Dynamic Models in Biology     |
|   | ___ PHYS 2054 University Physics I                   |
|   | ___ PHYS 2074 University Physics II                  |

### Tier 1 ————— Managed Systems ————— Tier 2

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|---|---|
| ___ AGECE 3413 Principles of Environmental Economics  | ___ AGED 4443 Methods of Technological Change                 |
| ___ AGECE 3523 Environmental & Natural Resource Law   | ___ AGME 1613 Fundamentals of Agricultural Systems Technology |
| ___ AGED 4003 Issues in Agriculture   | ___ CSES 2012 Organic Crop Production                         |
| ___ BENG 3603 Sustainable Agricultural Systems  | ___ CSES 2203/2201L Soil Science                              |
| ___ CSES 3214 Soil Resources & Nutrient cycles  | ___ ENSC 1003 Environmental Science                           |
| ___ ECON 3843 Economic Development, Poverty, & the Role of the World Bank and IMF in Low-Income Countries | ___ MGMT 4243 Ethics & Corporate Responsibility               |
| ___ ENSC 3103 Plants & Environmental Restoration  |   |
| ___ ENSC 3223 Ecosystems Assessment   |   |
| ___ ENSC 3263 Soil and Water Conservation   |   |
| ___ ENSC 4023 Water Quality   |   |
| ___ ENSC 404V Soils and Civilization  |   |
| ___ ENSC 4263 Environmental Soil Science  |   |
| ___ HORT 3503 Sustainability & Organic Horticulture   |   |
| ___ SCMT 4123 Sustainable Logistics & Supply Chain Management   |   |
| ___ SCMT 4853 Cross-Sector Collaboration for Sustainability   |   |
| ___ WCOB 3023 Sustainability in Business  |   |

Tier 1 ————— **Built Systems** ————— Tier 2

- \_\_\_ARCH 4023 Sustainability & Design
- \_\_\_ARCH 4023/LARC 5043 Housing as if the Future Matters
- \_\_\_BENG 3653 Global Bio-Energy Engineering
- \_\_\_BENG 4663 Sustainable Bio-systems Engineering
- \_\_\_CVEG 3243 Environmental Engineering
- \_\_\_CVEG 4243 Environmental Engineering Design
- \_\_\_CVEG 4863 Sustainability in Civil Engineering
- \_\_\_GEOS 4383 Hazard & Disaster Assessment, Mitigation & Risk Policy
- \_\_\_LARC 303V/5386 Environmental Land Use Planning
- \_\_\_LARC 4753 Incremental Sprawl Repair
- \_\_\_LARC 5493 Environmental Land Use Planning
- \_\_\_MEEG 4453 Industrial Waste & Energy Management
- \_\_\_MEEG 4473 Indoor Environmental Design

- \_\_\_ARCH 2114 Building Environmental Technology: Passive Systems Buildings
- \_\_\_ARCH 2132 Environmental Technology I
- \_\_\_ARCH 3134 Building Systems: Lighting, Acoustics, & HVAC
- \_\_\_ARCH 4154 Environmental Technology II and Building Systems
- \_\_\_CSCE 4233 Low Power Digital Systems
- \_\_\_CVEG 4323 Design of Structural Systems
- \_\_\_GEOS 3543 Geospatial Applications & Information Science
- \_\_\_GEOS 4073 Urban Geography
- \_\_\_IDES 3833 Building Systems for Interiors
- \_\_\_LARC 4743 Site Planning in Landscape Architecture
- \_\_\_LARC 4743 Public Participation in Design & Planning
- \_\_\_TEED 2103 Technology and Society

Tier 1 ————— **Social Systems** ————— Tier 2

- \_\_\_AGEC 3523 Environmental & Natural Resource Law
- \_\_\_AGEC 4163 Agriculture & Rural Development
- \_\_\_ANTH 4143 Ecological Anthropology
- \_\_\_CHLP 6553 Environmental Health
- \_\_\_COMM 4643 Environmental Communications
- \_\_\_ENGL 4133 Environmental Literature & Nature Writing
- \_\_\_ENSC 3933/ PHIL 3113 Environmental Ethics
- \_\_\_GEOS 4693 Environmental Justice
- \_\_\_RESM 1023 Recreation & Natural Resources
- \_\_\_RESM 4023 Outdoor Adventure Leadership
- \_\_\_RSOC 4603/SOCI 4603 Environmental Sociology

- \_\_\_CHLP 4643/5643 Multicultural Health
- \_\_\_HIST 3273 Agricultural and Rural History of America
- \_\_\_HIST 3323 The West of Imagination
- \_\_\_HIST 4463 The American Frontier
- \_\_\_SCWK 3193 Human Diversity & Social Work
- \_\_\_SCWK 4093 Human Behavior & Social Environments I
- \_\_\_SCWK 4103 Human Behavior & Social Environments II
- \_\_\_SOC 2033 Social Problems
- \_\_\_SOC 3013 Population and Society
- \_\_\_SOC 3193 Race, Class, Gender in the U.S.
- \_\_\_SOC 3303 Social Data & Analysis

**Tier 1 courses are those with a primary focus on content directly applicable to sustainability.**

**Tier 2 courses are those which provide students with the foundational knowledge needed to understand sustainability principles.**

**Foundations of Sustainability Minor Declaration Form**

Copy of completed form will be uploaded to student's record in UA Success.

Student Name \_\_\_\_\_ ID# \_\_\_\_\_ Major \_\_\_\_\_

Signatures of Approval:

Student \_\_\_\_\_ Date \_\_\_\_\_

Major Advisor \_\_\_\_\_ Date \_\_\_\_\_

SUST Director \_\_\_\_\_ Date \_\_\_\_\_

**Program Director**

Dr. Marty Matlock  
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**Return completed form to:**

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