

Foundations of Sustainability Minor

2019-2020 Requirements

Required Courses: 9 Credits	Elective Courses: 9 Credits
__ SUST 1103 Foundations of Sustainability (Sp)	__ Tier 1 Elective: _____
__ SUST 2103 Applications of Sustainability (Fa)	__ Tier 1 Elective: _____
__ SUST 4103 Capstone Project in Sustainability (Sp)	__ Tier 1 or Tier 2 Elective: _____
<p>Students must earn a grade of 'C' or better for all courses to fulfill the requirements of the Minor. Students may take courses from any systems area and from any combination of areas. 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.</p>	

Natural Systems Courses	
Tier 1	Tier 2
BENG 4933 Sustainable Watershed Engineering	BIOL 1543 Principles of Biology
BIOL 3863 & 3861L General Ecology & Lab	CHEM 1103 University Chemistry I
BIOL 4154 Biology of Global Change	CHEM 1123 University Chemistry II
BIOL 4174 Conservation Genetics	CHEM 3603 or 3703 Organic Chemistry I
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 & Lab	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

Social Systems Courses	
Tier 1	Tier 2
AGEC 3523 Environmental & Natural Resource Law	CHLP 4643/5643 Multicultural Health
AGEC 4163 Agriculture & Rural Development	HIST 3273 Agricultural and Rural History of America
ANTH 4143 Ecological Anthropology	HIST 3323 The West of Imagination
CHLP 6553 Environmental Health	HIST 4463 The American Frontier
COMM 4643 Environmental Communications	SCWK 3193 Human Diversity & Social Work
ENGL 4133 Environmental Literature & Nature Writing	SCWK 4093 Human Behavior & Social Environments I
ENSC 3933/ PHIL 3113 Environmental Ethics	SCWK 4103 Human Behavior & Social Environments II
RESM 1023 Recreation & Natural Resources	SOC 2033 Social Problems
RESM 4023 Outdoor Adventure Leadership	SOC 3013 Population and Society
SUST/ GEOS 4693 Environmental Justice	SOC 3193 Race, Class, Gender in the U.S.
	SOC 3303 Social Data & Analysis

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Built Systems Courses	
Tier 1	Tier 2
BENG 3653 Global Bio-Energy Engineering	ARCH 2113 Architectural Structures I
BENG 4663 Sustainable Bio-systems Engineering	ARCH 2132 Environmental Technology I
CVEG 3243 Environmental Engineering	ARCH 3143 Building Materials and Assemblies
CVEG 4243 Environmental Engineering Design	ARCH 4152 Building Systems Integration
CVEG 4863 Sustainability in Civil Engineering	CSCE 4233 Low Power Digital Systems
GEOS 4383 Hazard & Disaster Assessment, Mitigation & Risk Policy	GEOS 3543 Geospatial Applications & Information Science
LARC 4753 Incremental Sprawl Repair	CVEG 4323 Design of Structural Systems
LARC 5493 Environmental Land Use Planning	GEOS 4073 Urban Geography
MEEG 4453 Industrial Waste & Energy Management	IDES 3833 Building Systems for Interiors
MEEG 4473 Indoor Environmental Design	LARC 4743 Public Participation in Design & Planning
	TEED 2103 Technology and Society

Managed Systems Courses	
Tier 1	Tier 2
AGEC 3413 Principles of Environmental Economics	AGED 4443 Methods of Technological Change
AGEC 3523 Environmental & Natural Resource Law	AGME 1613 Fundamentals of Ag 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 4853 Cross-Sector Collaboration for Sustainability	
WCOB 3023 Sustainability in Business	

Declaration Area	
Student Name _____	ID: _____ Major: _____
Signatures:	
Student _____	Date _____
Major Advisor _____	Date _____
SUST Coordinator _____	Date _____

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