

## **SUSTAINABILITY MINOR** (18 Credits)

### **REQUIRED COURSES** (9 Credits)

SUST 11003	Foundations of Sustainability
SUST 21003	Applications of Sustainability
SUST 41003	Capstone in Sustainability

### **REQUIRED ELECTIVE COURSES** (9 Credits)

TIER 1 Elective  
TIER 1 Elective  
TIER 1 or TIER 2 Elective

## **STUDENT INFORMATION AND SIGNATURES**

### **STUDENT INFORMATION**

STUDENT NAME  
STUDENT MAJOR  
STUDENT ID NUMBER

### **SIGNATURES**

Student  
Major Advisor  
SUST Coordinator

return form to Austin Brunson ([abrunson@uark.edu](mailto:abrunson@uark.edu)) and Ken McCown ([kennethm@uark.edu](mailto:kennethm@uark.edu))

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 focus upon content directly applicable to sustainability. **Tier 2** courses provide foundational knowledge needed to understand sustainability principles.

## TIER 1 - NATURAL SYSTEMS *(use 1 to 3)*

BENG 49303	Sustainable Watershed Engineering <i>(Fa)</i> 3 hrs
BIOL 38771	General Ecology Laboratory <i>(Fa)</i> 1 hr
BIOL 38773	General Ecology <i>(Sp, Fa)</i> 3 hrs
BIOL 41573	Biology of Global Change <i>(Sp)</i> 3 hrs (BIOL 4154H also can be used)
BIOL 41774	Conservation Genetics <i>(Sp)</i> 4 hrs
CHEM 42803	Energy Conversion and Storage <i>(even years, Fa)</i> 3 hrs
CSES 32104	Soil Resources and Nutrient Cycles <i>(odd years, Sp)</i> 3 hrs
ENSC 30003	Introduction to Water Science <i>(Sp)</i> 3 hrs
ENSC 31003	Plants and Environmental Restoration <i>(Fa)</i> 3 hrs
ENSC 32203	Ecosystems Assessment <i>(even years, Fa)</i> 3 hrs (+ENSC 32210L)
ENSC 32603	Environmental Soil and Water Conservation <i>(Fa)</i> 3 hrs
ENSC 40203	Water Quality <i>(Fa)</i> 3 hrs
ENSC 42603	Environmental Soil Science <i>(even years, Sp)</i> 3 hrs
GEOS 30403	Sustaining Earth <i>(Sp, Su, Fa)</i> 3 Hrs.
GEOS 49303	Ancient Forests: Science and Sustainability <i>(Sp)</i> 3 Hrs

## TIER 2 - NATURAL SYSTEMS *(use 1)*

BIOL 10103	Principles of Biology (ACTS Equivalency = BIOL 1014 Lect.) <i>(Sp, Su, Fa)</i> 3 hrs
CHEM 14103	University Chemistry I <i>(Sp, Su, Fa)</i> 3 hrs
CHEM 14203	University Chemistry II (ACTS Equivalency = CHEM 1004 Lect.) <i>(Sp, Su, Fa)</i> 3 hrs
CHEM 36053	Organic Chemistry I <i>(Su, Fa)</i> 3 hrs.
CHEM 37073	Organic Chemistry I Lecture for Majors <i>(Fa)</i> 3 hrs
CSES 22001	Soil Science Laboratory <i>(Sp, Fa)</i> . 1 Hour.
CSES 22003	Soil Science <i>(Sp, Fa)</i> . 3 Hours.
ENSC 10003	Environmental Science <i>(Sp, Fa)</i> . 3 Hours.
GEOS 11101	Physical Geology Laboratory (ACTS Equivalency = GEOL 1114 Lab) <i>(Sp, Su, Fa)</i> 1 hr
GEOS 11103	Physical Geology (ACTS Equivalency = GEOL 1114 Lect.) <i>(Sp, Su, Fa)</i> 3 hrs
GEOS 11201	Earth Science Laboratory (ACTS Equivalency = GEOL 1124 Lab) <i>(Sp, Fa)</i> 1 hr
GEOS 11203	Earth Science (ACTS Equivalency = GEOL 1124 Lect.) <i>(Sp, Fa)</i> 3 hrs
GEOS 2003	World Regional Geography (ACTS Equivalency = GEOG 2103) <i>(Sp, Fa)</i> 3 hrs
GEOS 33303	Oceanography <i>(Fa)</i> 3 hrs
GEOS 33803	Principles of Landscape Evolution <i>(not currently offered)</i> 3 hrs
GEOS 40303	Hydrogeology <i>(Sp)</i> 3 hrs
GEOS 40503	Geomorphology <i>(Sp)</i> 3 hrs
GEOS 40603	Principles of Geochemistry <i>(Fa)</i> 3 hrs
GEOS 43503	Meteorology <i>(Fa)</i> 3 hrs
GEOS 43603	Climatology <i>(Sp)</i> 3 hrs
GEOS 52103	Principles of Remote Sensing <i>(Fa)</i> 3 hrs
MATH 41603	Dynamic Models in Biology <i>(Irregular)</i> 3 hrs
PHYS 20304	University Physics I (ACTS Equivalency = PHYS 2034) <i>(Sp, Su, Fa)</i> 4 hrs
PHYS 20404	University Physics II (ACTS Equivalency = PHYS 2044 Lect) <i>(Sp, Su, Fa)</i> 4 hrs

### **TIER 1 - MANAGED SYSTEMS** *(use 1 to 3)*

AGEC 34103	Principles of Environmental Economics <i>(Sp)</i> 3 hrs
AGEC 341H3	Honors Principles of Environmental Economics <i>(Sp)</i> 3 hrs
AGEC 35203	Environmental and Natural Resources Law <i>(even years, Sp)</i> 3 hrs
AGED 41203	Issues in Agriculture <i>(Fa)</i> 3 hrs
AGED 44403	Principles of Technological Change <i>(Odd years, Fa)</i> 3 hrs
AMPD 3023	Sustainability in the Apparel and Textile Industry <i>(Fa)</i> 3 hrs
CSES 32104	Soil Resources and Nutrient Cycles <i>(odd years, Sp)</i> 4 hrs
ECON 38403	Economics of the Developing World <i>(Sp, Fa)</i> 3 hrs
ENSC 31003	Plants and Environmental Restoration <i>(even years, Fa)</i> 3 hrs
ENSC 32203	Ecosystems Assessment <i>(even years, Fa)</i> 3 hrs
ENSC 32603	Environmental Soil and Water Conservation <i>(Fa)</i> 3 hrs
ENSC 40203	Water Quality <i>(Fa)</i> 3 hrs
ENSC 42603	Environmental Soil Science <i>(even years, Sp)</i> 3 hrs
HORT 35003	Sustainable and Organic Horticulture <i>(even years, Fa)</i> 3 hrs
MGMT 42403	Ethics and Corporate Responsibility <i>(Sp, Fa)</i> 3 hrs
SCMT 41203	Sustainable Logistics and Supply Chain Management <i>(irregular)</i> 3 hrs
SCMT 48503	Cross-Sector Collaboration for Sustainability <i>(Sp)</i> 3 hrs
SEVI 50203	Sustainability in Business <i>(irregular and online in world campus)</i> 3 hrs
SEVI 36703	Social Entrepreneurship <i>(Fa, Sp)</i> 3 hrs

### **TIER 2 - MANAGED SYSTEMS** *(use 1)*

AGME 16103	Fundamentals of Agricultural Systems Technology <i>(Fa)</i> 3 hrs
CSES 22001	Soil Science Laboratory <i>(Sp, Fa)</i> 1 hr
CSES 22003	Soil Science <i>(Sp, Fa)</i> 3 hrs
ENSC 10003	Environmental Science <i>(Sp, Fa)</i> 3 hrs

### **TIER 1 - BUILT SYSTEMS** *(use 1 to 3)*

BENG 36503	Global Bio-Energy Engineering <i>(Fa)</i> 3 hrs
BENG 46603	Sustainable Biosystems Designs <i>(Sp)</i> 3 hrs
CVEG 32403	Environmental Engineering <i>(Sp, Fa)</i> 3 hrs
CVEG 42403	Environmental Engineering Design <i>(Sp)</i> 3 hrs
CVEG 48603	Sustainability in Civil Engineering <i>(irregular)</i> 3 hrs
CHEG 49203	Introduction to Sustainable Process Engineering <i>(Sp)</i> 3 hrs
GEOS 43803	Hazard and Disaster Assessment, Mitigation, Risk and Policy <i>(Sp)</i> 3 hrs
LARC 54903	Environmental Land Use Planning <i>(Sp)</i> 3 hrs
MEEG 44503	Industrial Waste and Energy Management <i>(irregular)</i> 3 hrs
MEEG 44703	Indoor Environmental Design <i>(irregular)</i> 3 hrs

### **TIER 2 - BUILT SYSTEMS** *(use 1)*

ARCH 21103	Architectural Structures I <i>(Fa)</i> 3 hrs
ARCH 21302	Environmental Technology I <i>(Fa)</i> 2 hrs
ARCH 31403	Building Materials and Assemblies <i>(Fa)</i> 3 hrs
ARCH 41502	Building Systems Integration <i>(Sp, Fa)</i> 2 hrs
CSCE 42303	Low Power Digital Systems <i>(irregular)</i> 3 hrs
CVEG 43203	Structural Loadings <i>(Sp)</i> 3 hrs
GEOS 40703	Urban Geography <i>(Sp)</i> 3 hrs
GEOS 35403	Geospatial Applications and Information Science <i>(Sp, Fa)</i> 3 hrs
IARD 28203	Interior Design Materials and Assemblies <i>(Fa)</i> 3 hrs
IARD 38303	Building Systems for Interior Architecture and Design <i>(Fa)</i> 3 hrs
TEED 21003	Technology and Society <i>(Fa)</i> 3 hrs

### **TIER 1 - SOCIAL SYSTEMS** *(use 1 to 3)*

AGEC 35203	Environmental and Natural Resources Law <i>(even years, Sp)</i> 3 hrs
AGEC 41603	Agricultural and Rural Development <i>(Sp)</i> 3 hrs
ANTH 41403	Ecological Anthropology <i>(irregular)</i> 3 hrs
COMM 46403	Environmental Communication <i>(Sp)</i> 3 hrs
ENGL 41353	Writing Nature <i>(Sp)</i> 3 hrs.
ENSC 39303	Environmental Ethics <i>(Sp)</i> 3 hrs
PHIL 31103	Environmental Ethics <i>(irregular)</i> 3 hrs (crosslisted with ENSC 39303)
GDES 43603	Design for Complexity <i>(Sp, Fa)</i> 3 hrs
GEOS 46903	Environmental Justice <i>(Sp)</i> 3 hrs
RESM 10203	Foundations of Outdoor Leadership <i>(Sp, Su, Fa)</i> 3 hrs
RESM 4023	Applied Outdoor Adventure Leadership <i>(Su)</i> 3 hrs
SOCI 46003	Environmental Sociology <i>(Sp)</i> 3 hrs

### **TIER 2 - SOCIAL SYSTEMS** *(use 1)*

PBHL 4643	Multicultural Health <i>(Sp, Fa)</i> 3 hrs
GDES 43503	Human-Centered Design <i>(Fa)</i> 3 hrs
HIST 32703	Agricultural and Rural History of the United States <i>(irregular)</i> 3 hrs
HIST 33203	The West of the Imagination <i>(irregular)</i> 3 hrs
HIST 44603	The American Frontier <i>(odd years, Fa)</i> 3 hrs
SCWK 31903	Human Diversity and Social Work <i>(Sp, Su, Fa)</i> 3 hrs
SCWK 40903	Human Behavior and the Social Environment I <i>(Sp, Fa)</i> 3 hrs
SCWK 41003	Human Behavior and the Social Environment II <i>(Sp, Fa)</i> 3 hrs
SOCI 20103	Social Problems (ACTS Equivalency = SOCI 2013) <i>(irregular)</i> 3 hrs
SOCI 31903	Race, Class, and Gender in America <i>(Sp, Fa)</i> 3 hrs
SOCI 33003	Social Data and Analysis <i>(Sp, Fa)</i> 3 hrs

### **TIER 1 - STUDY ABROAD INTERSESSION**

AFLS 4010V, AFLS 401HV, GNEG 31103, GNEG 311H3  
Sustainability in the Euro Food System *(May)* 3 hrs