

SUSTAINABILITY MINOR (18 Credits)

REQUIRED COURSES (9 Credits)

SUST 1103	Foundations of Sustainability
SUST 2103	Applications of Sustainability
SUST 4103	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 Theresa Parrish (theresap@uark.edu) and Sheri Lynn Brown (stuck@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 4933	Sustainable Watershed Engineering <i>(Fa)</i> 3 hrs
BIOL 3861L	General Ecology Laboratory <i>(Fa)</i> 1 hr
BIOL 3863	General Ecology <i>(Sp, Fa)</i> 3 hrs
BIOL 4154	Biology of Global Change <i>(Sp)</i> 4 hrs (BIOL 4154H also can be used)
BIOL 4174	Conservation Genetics <i>(Sp)</i> 4 hrs
CHEM 4283	Energy Conversion and Storage <i>(Even years, Fa)</i> 3 hrs
CSES 3214	Soil Resources and Nutrient Cycles <i>(Odd years, Sp)</i> 3 hrs
ENSC 3003	Introduction to Water Science <i>(Sp)</i> 3 hrs
ENSC 3103	Plants and Environmental Restoration <i>(Odd years, Fa)</i> 3 hrs
ENSC 3223	Ecosystems Assessment <i>(Even years, Fa)</i> 3 hrs (+ENSC 3221L)
ENSC 3263	Environmental Soil and Water Conservation <i>(Even yrs, Fa)</i> 3 hrs
ENSC 4023	Water Quality <i>(Fa)</i> 3 hrs
ENSC 4263	Environmental Soil Science <i>(Even years, Sp)</i> 3 hrs
GEOS 3043	Sustaining Earth <i>(Sp, Su, Fa)</i> 3 Hrs.
GEOS 4933	Ancient Forests: Science and Sustainability <i>(Sp)</i> 3 Hrs

TIER 2 - NATURAL SYSTEMS *(use 1)*

BIOL 1543	Principles of Biology (ACTS Equivalency = BIOL 1014 Lect.) <i>(Sp, Su, Fa)</i> 3 hrs
CHEM 1103	University Chemistry I <i>(Su, Fa)</i> 3 hrs
CHEM 1123	University Chemistry II (ACTS Equivalency = CHEM 1004 Lect.) <i>(Sp, Su, Fa)</i> 3 hrs
CHEM 3603	Organic Chemistry I <i>(Su, Fa)</i> 3 hrs.
CHEM 3703	Organic Chemistry I Lecture for Majors <i>(Fa)</i> 3 hrs
CSES 2201L	Soil Science Laboratory <i>(Fa)</i> . 1 Hour.
CSES 2203	Soil Science <i>(Fa)</i> . 3 Hours.
ENSC 1003	Environmental Science <i>(Fa)</i> . 3 Hours.
GEOS 1111L	General Geology Laboratory (ACTS Equivalency = GEOL 1114 Lab) <i>(Sp, Su, Fa)</i> 1 hr
GEOS 1113	General Geology (ACTS Equivalency = GEOL 1114 Lect.) <i>(Sp, Su, Fa)</i> 3 hrs
GEOS 1131L	Environmental Geology Laboratory (ACTS Equivalency = GEOL 1124 Lab) <i>(Sp)</i> 1 hr
GEOS 1133	Earth Science (ACTS Equivalency = GEOL 1124 Lect.) <i>(Sp)</i> 3 hrs
GEOS 2003	World Regional Geography (ACTS Equivalency = GEOG 2103) <i>(Sp, Fa)</i> 3 hrs
GEOS 3333	Oceanography <i>(Even years, Sp)</i> 3 hrs
GEOS 3383	Principles of Landscape Evolution <i>(Fa)</i> 3 hrs
GEOS 4033	Hydrogeology <i>(Sp)</i> 3 hrs
GEOS 4053	Geomorphology <i>(Sp)</i> 3 hrs
GEOS 4063	Principles of Geochemistry <i>(Fa)</i> 3 hrs
GEOS 4353	Meteorology <i>(Fa)</i> 3 hrs
GEOS 4363	Climatology <i>(Sp)</i> 3 hrs
GEOS 4413	Principles of Remote Sensing <i>(Fa)</i> 3 hrs
MATH 4163	Dynamic Models in Biology <i>(Irregular)</i> 3 hrs
PHYS 2054	University Physics I (ACTS Equivalency = PHYS 2034) <i>(Sp, Su, Fa)</i> 4 hrs
PHYS 2074	University Physics II (ACTS Equivalency = PHYS 2044 Lect) <i>(Sp, Su, Fa)</i> 4 hrs

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

AGEC 3413	Principles of Environmental Economics <i>(Sp)</i> 3 hrs
AGEC 3413H	Honors Principles of Environmental Economics <i>(Sp)</i> 3 hrs
AGEC 3523	Environmental and Natural Resources Law <i>(Even years, Sp)</i> 3 hrs
AGED 4003	Issues in Agriculture <i>(Fa)</i> 3 hrs
BENG 3603	Metrics for Sustainable Agricultural Systems <i>(Fa)</i> 3 hrs
CSES 3214	Soil Resources and Nutrient Cycles <i>(Odd years, Sp)</i> 4 hrs
ECON 3843	Economic Development, Poverty, and the Role of the World Bank and IMF in Low-Income Countries <i>(Fa)</i> 3 hrs
ENSC 3103	Plants and Environmental Restoration <i>(Odd years, Fa)</i> 3 hrs
ENSC 3223	Ecosystems Assessment <i>(Even years, Fa)</i> 3 hrs
ENSC 3263	Environmental Soil and Water Conservation <i>(Even years, Fa)</i> 3 hrs
ENSC 404V	Soils and Civilization <i>(Irregular)</i> 3 hrs
ENSC 4023	Water Quality <i>(Fa)</i> 3 hrs
ENSC 4263	Environmental Soil Science <i>(Even years, Sp)</i> 3 hrs
HORT 3503	Sustainable and Organic Horticulture <i>(Even years, Fa)</i> 3 hrs
SCMT 4123	Sustainable Logistics and Supply Chain Management <i>(Irregular)</i> 3 hrs
SCMT 4853	Cross-Sector Collaboration for Sustainability <i>(Sp)</i> 3 hrs
WCOB 3023	Sustainability in Business <i>(Irregular)</i> 3 hrs
SEVI 3673	Social Entrepreneurship <i>(Fa, Sp)</i> 3 hrs

TIER 2 - MANAGED SYSTEMS *(use 1)*

AGED 4443	Principles of Technological Change <i>(Odd years, Fa)</i> 3 hrs
AGME 1613	Fundamentals of Agricultural Systems Technology <i>(Fa)</i> 3 hrs
CSES 2012	Introduction to Organic Crop Production <i>(Odd years, Sp)</i> 2 hrs
CSES 2201L	Soil Science Laboratory <i>(Fa)</i> 1 hr
CSES 2203	Soil Science <i>(Fa)</i> 3 hrs
ENSC 1003	Environmental Science <i>(Fa)</i> 3 hrs
MGMT 4243	Ethics and Corporate Responsibility <i>(Sp, Fa)</i> 3 hrs

TIER 1 - BUILT SYSTEMS (use 1 to 3)

BENG 3653	Global Bio-Energy Engineering (Fa) 3 hrs
BENG 4663	Sustainable Biosystems Designs (Sp) 3 hrs
CVEG 3243	Environmental Engineering (Sp, Fa) 3 hrs
CVEG 4243	Environmental Engineering Design (Sp, Fa) 3 hrs
CVEG 4863	Sustainability in Civil Engineering (Irregular) 3 hrs
GEOS 4383	Hazard and Disaster Assessment, Mitigation, Risk and Policy (Sp) 3 hrs
LARC 4753	Incremental Sprawl Repair (Irregular) 3 hrs
LARC 5043	Housing as if the Future Matters (Irregular) 3 hrs
LARC 5493	Environmental Land Use Planning Studio (Sp) 5 hrs
MEEG 4453	Industrial Waste and Energy Management (Irregular) 3 hrs
MEEG 4473	Indoor Environmental Design (Irregular) 3 hrs

TIER 2 - BUILT SYSTEMS (use 1)

ARCH 2113	Architectural Structures I (Fa) 3 hrs
ARCH 2132	Environmental Technology I (Fa) 2 hrs
ARCH 3143	Building Materials and Assemblies (Fa) 3 hrs
ARCH 4152	Building Systems Integration (Sp, Fa) 2 hrs
CSCE 4233	Low Power Digital Systems (Irregular) 3 hrs
CVEG 4323	Design of Structural Systems (Sp) 3 hrs
GEOS 4073	Urban Geography (Sp) 3 hrs
GEOS 3543	Geospatial Applications and Information Science (Fa) 3 hrs
IDES 3833	Interior Building Systems (Fa) 3 hrs
LARC 4743	Publi Participation in Design and Planning (Irregular) 3 hrs
TEED 2103	Technology and Society (Fa) 3 hrs

TIER 1 - SOCIAL SYSTEMS (use 1 to 3)

AGEC 3523	Environmental and Natural Resources Law (Even years, Sp) 3 hrs
AGEC 4163	Agricultural and Rural Development (Fa) 3 hrs
ANTH 4143	Ecological Anthropology (Irregular) 3 hrs
CHLP 4553	Environmental Health (Sp) 3 hrs
COMM 4643	Environmental Communication (Irregular) 3 hrs
ENGL 4133	Writing Nature (Sp) 3 hrs.
ENSC 3933	Environmental Ethics (Odd years, Sp) 3 hrs
PHIL 3933	Environmental Ethics (Odd years, Sp) 3 hrs (crosslisted with ENSC 3933)
GDES 4363	Design for Complexity (Odd years, Sp) 3 hrs
GEOS 4693	Environmental Justice (Sp) 3 hrs
GEOS 4693H	Honors Environmental Justice (Sp) 3 hrs
HIST 4473	Environmental History (Irregular) 3 hrs
RESM 1023	Recreation and Natural Resources (Sp, Su, Fa) 3 hrs
RESM 4023	Outdoor Adventure Leadership (Su) 3 hrs
RSOC 4603	Environmental Sociology (Sp) 3 hrs

TIER 2 - SOCIAL SYSTEMS (use 1)

CHLP 4643	Multicultural Health (Sp) 3 hrs
GDES 4353	Human-Centered Design (Fa) 3 hrs
HIST 3273	Agricultural and Rural History of the United States (Irregular) 3 hrs
HIST 3323	The West of the Imagination (Irregular) 3 hrs
HIST 4463	The American Frontier (Odd years, Fa) 3 hrs
SCWK 3193	Human Diversity and Social Work (Sp, Su, Fa) 3 hrs
SCWK 4093	Human Behavior and the Social Environment I (Sp, Fa) 3 hrs
SCWK 4103	Human Behavior and the Social Environment II (Sp, Fa) 3 hrs
SOCI 2033	Social Problems (ACTS Equivalency = SOCI 2013) (Sp, Su, Fa) 3 hrs
SOCI 3193	Race, Class, and Gender in America (Fa) 3 hrs
SOCI 3303	Social Data and Analysis (Sp, Fa) 3 hrs