

COURSES SATISFYING REQUIREMENTS FOR IN FOUNDATIONS OF SUSTAINABILITY MINOR

List of Available Elective Courses (students choose 9 hours from menus below; at least 6 hours must be chosen from Tier 1 courses):

Sustainability of Natural Systems Courses

Tier 1

Course #	Course Title	Prerequisites
BENG 4903	Watershed Ecology & Hydrology	CVEG 3213
BIOL 3861L	General Ecology Lab	Co-req: BIOL 3863
BIOL 3863	General Ecology	7 hrs of Bio Sciences
CSES 3214	Soil Resources & Nutrient Cycles	CSES 2203, Corequisite: Lab component
ENSC 3003	Introduction to Water Science	ENGL 1023 and ENSC 1003 or CHEM 1053 or higher or GEOL 1113 or higher or BIOL 1543
ENSC 3103	Plants & Environmental Restoration	CSES 1203 or HORT 2003 or BIOL 1613
ENSC 3223/3221L	Ecosystem Assessment	BIOL 1543, CSES 2203, ENSC 3003 Corequisite: ENSC 3221L
ENSC 3263	Soil & Water Conservation	CSES 2203
ENSC 4023	Water Quality	CHEM 1123- and CHEM 1121L, BIOL 1543 and BIOL 1541L
ENSC 4263	Environmental Soil Science	Prerequisite: CSES 3214; Prerequisite or Coresquisite PHYS 2013 & PHYS 2011L
GEOG 3003	Conservation of Natural Resources	Junior Standing

Tier 2

Course #	Course Title	Prerequisites
BIOL 1543	Principles of Biology	Corequisite: BIOL 1541L
CHEM 1103	University Chemistry I	MATH 1203; Corequisite: Drill; Recommended Corequisite: CHEM 1101L
CHEM 1123	University Chemistry II	Math 1203, CHEM 1103. Corequisite: CHEM 1121L and
CSES 2203/2201L	Soil Science	CHEM 1103 or CHEM 1074. Drill component

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ENSC 1003	Environmental Science	None
GEOG 2003	World & Regional Geography	None
GEOG 3333	Oceanography	Junior standing
GEOG 3383	Principles of Landscape Evolution	None
GEOG 4353	Elements of Weather	Junior Standing
GEOG 4363	Climatology	GEOG 1003 and/or GEOG 4353.
GEOL 1113/1111L	General Geology + Lab	Pre- or Corequisite: GEOL 1113.
GEOL 1133/1131L	Environmental Geology + Lab	GEOL 1113, GEOL 1111L
GEOL 4033	Hydrogeology	MATH 2564, GEOL 3513, GEOL 3511L
GEOL 4053	Geomorphology	GEOL 1113 or GEOL 3002
GEOL 4063	Principles Geochemistry	CHEM 1121L and CHEM 1123
GEOS 4413	Principles of Remote Sensing	University science course
MATH 4163/BIOL4163	Dynamic Models in Biology	MATH 2554. (Same as BIOL 4163)
PHYS 2054	University Physics I	Math 2554; Corequisite: Lab component
PHYS 2074	University Physics II	PHYS 2054, Prerequisite or corequisite: MATH 2564 Coreq: Lab component

Sustainability of Managed Systems courses

Tier 1

Course #	Course Title	Prerequisites
AGEC 3413	Principles of Environmental Economics	AGEC 1103 or ECON 2023; Co-requisite: Drill
AGEC 3523	Environmental & Natural Resource Law	None
AGED 4003	Issues in Agriculture	Junior standing
<u>BENG 3603</u>	<u>Sustainable Agricultural Systems</u>	<u>None</u>
CSES 3214	Soil Resources & Nutrient cycles	CSES 2203. Corequisite: Lab component; ; pre or co-req BIOL 2013

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		& BIOL 2011L
ECON 3843	Economic Development, Poverty, & the Role of the World Bank and IMF in Low-Income Countries	ECON 2013 and ECON 2023, or ECON 2143
ENSC 3103	Plants & Environmental Restoration	CSES 1203 or HORT 2003 or BIOL 1613.
ENSC 3223	Ecosystems Assessment	BIOL 1543, CSES 2203, and ENSC 3003, Corequisite: ENSC 3221L
ENSC 3263	Soil and Water Conservation	CSES 2203, Corequisite: Lab component
ENSC 4023	Water Quality	CHEM 1123 and CHEM 1121L, BIOL 1543 & BIOL 1541L
ENSC 4263	Environmental Soil Science	CSES 3214; pre or co requisite PHYS 2013 & PHYS 2011L
HORT 3503	Sustainability & Organic Horticulture	None
WCOB 3023	Sustainability in Business	Junior standing
WCOB 410V	The Sustainability Mindset	Junior standing

Tier 2

Course #	Course Title	Prerequisites
AGED 4443	Methods of Technological Change	Junior standing
AGME 1613	Fundamentals of Agricultural Systems Technology	Corequisite: Lab Component
CSES 2012	Organic Crop Production	None
CSES 2203/2201L	Soil Science	CHEM 1103 or CHEM 1074. Drill component
ENSC 1003	Environmental Science	None
MGMT 4243	Ethics & Corporate Responsibility	Junior standing

Sustainability of Built Systems courses

Tier 1

Course #	Course Title	Prerequisites
ARCH 4023H	Sustainability & Design	Permission of instructor
CVEG 488V	Sustainability in Civil Engineering	CVEG majors

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GEOG 4383	Hazard Assessment & Risk Policy	Junior standing
INEG 4583	Renewable Energy: Green Power Sources	Senior standing
MEEG 4453	Industrial Waste & Energy Management	MEEG 4413 or equiv
MEEG 4473	Indoor Environmental Design	MEEG 4413 or equiv

Tier 2

Course #	Course Title	Prerequisites
ARCH 2114	Building Environmental Technology: Passive Systems Buildings	ARCH 1024 and ARCH 1222, Corequisite: ARCH 2016
ARCH 3134	Building Systems: Lighting, Acoustics, & HVAC	ARCH 2124, Corequisite: ARCH 3016
CSCE 4233	Low Power Digital Systems	CSCE 2123
CVEG 3243	Environmental Engineering	MATH 3404 and CHEM 1123, Corequisite: Lab component
CVEG 4243	Environmental Engineering Design	CVEG 3243
CVEG 4323	Design of Structural Systems	CVEG 4303 & 4313
GEOG 3543	Geographic Information Science	None
GEOG 4063	Urban Geography	Junior standing
LARC 4743	Site Planning in Landscape Architecture	None
TEED 2103	Technology and Society	None

Sustainability of Social Systems courses

Tier 1

Course #	Course Title	Prerequisites
AGEC 3523	Environmental & Natural Resource Law	None
AGEC 4163	Agriculture & Rural Development	AGEC 1103 or ECON 2023
ART 4983	Special Topics in Art History: Ecological Emergences in American Art and Architecture	None
COMM 4643	Environmental Communications	None

COURSES SATISFYING REQUIREMENTS FOR IN FOUNDATIONS OF SUSTAINABILITY MINOR

ENGL 4133	Environmental Literature & Nature Writing	None
ENSC 3933/ PHIL 3113 E	Environmental Ethics	ENSC 1003 or PHIL 2003 or PHIL 2103
GEOS 4693	Environmental Justice	None
RESM 1023	Recreation & Natural Resources	RESM 1003
RESM 4023	Outdoor Adventure Leadership	None
RSOC 4603/SOCI 4603	Environmental Sociology	None

Tier 2

Course #	Course Title	Prerequisites
ANTH 4143	Ecological Anthropology	None
HIST 3273	Agricultural and Rural History of America	None
HIST 4773	Environmental History	None
HLSC 4643/5643	Multicultural Health	None
HLSC 6553	Environmental Health	None
SCWK 3193	Human Diversity & Social Work	None
SCWK 4093	Human Behavior & Social Environments I	PSYC 2003, SOCI 2013, SCWK 2133, and SCWK 3193 and (BIOL 1543 and BIOL 1541L, or ANTH 1013 and ANTH 1011L
SCWK 4103	Human Behavior & Social Environments II	SCWK 4093 and SCWK 4153.
SOCI 2033	Social Problems	None
SOCI 3013	Population and Society	None
SOCI 3193	Race, Class, Gender in the U.S.	SOCI 2013
SOCI 4013	Special Topics: The City	SOCI 2013