

Certificate in Sustainability

The Certificate in Sustainability is focused on developing sustainability problem solving skills and requires a minimum of 12 credit hours. The certificate is available to all students. Sustainability involves balancing human aspirations for a good quality of life with the environmental quality and resource needs of future generations. Advancing sustainability requires understanding interactions between ecological and social systems in order to design actions inspired by beneficiaries needs. The Sustainability Certificate will help students pursue careers in fast-growing green job and non-profit sectors of clean energy, resource conservation, transportation efficiency, pollution prevention, waste elimination, second-generation bio-fuels, green building and infrastructure design, as well as human rights and community development.

Requirements

A minimum grade of C- is required for each course taken in the certificate. A minimum cumulative GPA in all certificate coursework is 2.0.

Required Course

ENV_SC 2600	Sustainability Foundations: An Introduction to Sustainability	3
or BIOL_EN 2600	Sustainability Foundations: An Introduction to Sustainability	

Capstone Course: Select one course 3

NAT_R 4370	Society, Environment and Natural Resources	3
or ABM 4370	Society, Environment and Natural Resources	
or SOCIOL 4370	Society, Environment and Natural Resources	
ENV_SC 4600W	Sustainability Science Problem Solving - Writing Intensive	3
ENV_SC 4560	Observing the Earth from Space	3
ARCHST 4990	Thesis Design Studio	5

Specialization: select two courses (two courses within a specialization are suggested)

Energy Systems & the Built Environment

ARCHST 2323	Sustainable Building Design Fundamentals	3
ARCHST 4323	Sustainable Technologies and Systems	3
CV_ENG 2800	Introduction to Engineering Sustainability	3
SOCIOL 3460W	Technology and Society - Writing Intensive	3

International Development & Policy

ABM 3271	International Agricultural Development	3
ENV_SC 4400W	Environmental Law, Policy, and Justice - Writing Intensive	3
NAT_R 1400	A Series of Unfortunate Events in Global Water Issues	3
NAT_R 4353	Natural Resource Policy/Administration	3
T_A_M 4110	Global Sourcing	3

Food Systems & Natural Resources

ABM 2215	Introduction to the Theory and Practice of Sustainable Agriculture	3
F_W 4220	Human Dimensions of Fish and Wildlife Conservation	3
ABM 4370	Society, Environment and Natural Resources	3
or NAT_R 4370	Society, Environment and Natural Resources	

or SOCIOL 4370	Society, Environment and Natural Resources	
SOCIOL 4425W	Sociology of Food - Writing Intensive	3
Social Systems & Environment		
ABM 1120	Population, Environment and Sustainability	3
or PEA_ST 1120	Population, Environment and Sustainability	
or SOCIOL 1120	Population, Environment and Sustainability	
ABM 2070W	Environmental Economics and Policy - Writing Intensive	3
ANTHRO 4320	Ecological and Environmental Anthropology	3
SOCIOL 4370	Society, Environment and Natural Resources	3
or NAT_R 4370	Society, Environment and Natural Resources	
or ABM 4370	Society, Environment and Natural Resources	
GEOG 2660	Environmental Geography	3
SOCIOL 3330	Environmental Justice	3
or PEA_ST 3330	Environmental Justice	

Application for Certificate

Students interested in this certificate should complete the online form here (<http://declareaminor.missouri.edu>).