

School of Environment and Natural Resources

Environment, Economy, Development, and Sustainability Minor

Pressing environmental issues such as climate change and water quality are fundamentally connected to human impacts and problems of resource scarcity, access and degradation. Sustainability requires integrated approaches that can improve the well-being of society without causing irreparable harm to the Earth's ecological systems. Solutions to these problems are based on knowledge of human and natural systems, which includes an understanding of the interdependencies among the economy, institutions, technology, society and environmental challenges such as climate change, renewable energy and water availability. Such problems call for a new generation of students with a strong understanding of sustainability issues, the practical skills to assess sustainable resource consumption and use, familiarity with the processes of social change and the knowledge to develop solutions.

The EEDS minor provides a multi-disciplinary approach with a focus on the economic, business and social change aspects of sustainability. This minor responds to the emergence of sustainability as an important competency for many types of jobs in the private, public and non-profit sectors. Through the EEDS minor, students obtain knowledge of sustainability concepts and methods that complement their major program of study in a variety of natural, physical, engineering and social science disciplines. The EEDS minor curriculum is comprised of core courses from the EEDS major and includes a range of courses that can be selected by students to count toward the minor degree. These courses are designed to provide a foundation in sustainability concepts and theory related to economics, business, sociology and community and international development. The EEDS minor will assist students in a wide variety of OSU majors to be even more "job ready" for the ever-changing employment marketplace.

A total of 15 semester hours are required for the minor.

Course number	Course Title	Credit hours	Prerequisites
<u>Required: Introductory Course</u>			
ENR/AEDE 2500	Introduction to Environment, Economy, Development and Sustainability	3	Sophomore standing
<u>Choose 1: Core Course (Economics and Business)</u>			
AEDE 4310	Environmental and Natural Resources Economics	3	ECON 2001 or AEDE 2001
BUS ADMIN 3640.02	Introduction to Sustainability in Business: Concepts & Issues	3	Junior or Senior standing
<u>Choose 1: Core Course (Community and Development)</u>			
AEDE/IS 4597.01	Problems and Policies in World Population, Food, and Environment	3	Junior or Senior standing
ENR 3500	Community, Environment and Development	3	ENR 2300
RURLSOC 3580	Social Groups in Developing Societies	3	3 credit hours in RURLSOC, SOC or a related social science
<u>Choose 2: Elective Courses in Environment, Economy, Development & Sustainability</u>			
AEDE 3680	Regional Economics and Sustainable Growth	3	ECON/AEDE 2001
AEDE 4310	Environmental and Natural Resources Economics	3	ECON 2001 or AEDE 2001
AEDE/IS 4320	Energy, the Environment, and the Economy	3	ECON/AEDE 2001
AEDE 4330	The Sustainable Economy: Concepts and Methods	3	AEDE 4310
AEDE/IS 4532	Food Security and Globalization	3	ECON/AEDE 2001
AEDE/IS 4535	International Economic Development	3	ECON/AEDE 2001
AEDE/IS 4597.01	Problems and Policies in World Population, Food, and Environment	3	Junior or Senior standing
AEDE 5330	Benefit-Cost Analysis	3	AEDE 4310 and AEDE 4001 or Econ 4001
BUS ADMIN 3640.02	Introduction to Sustainability in Business: Concepts & Issues	3	Junior or Senior standing
BUS ADMIN 3642.02	Introduction to Sustainability in Business: Applications and Solutions	3	BUS ADMIN 3640.02

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Course number	Course Title	Credit hours	Prerequisites
COMLDR 4430	Leadership in Teams and Community Organizations	3	--
CRP 3400	Planning for Sustainable Economic Development	3	ECON/AEDE 2001
ECON 4547	Economics of War	3	ECON 2001 or AEDE 2001 and ECON 2002
ECON 4500	Economic Development	3	ECON 2001 or AEDE 2001 and ECON 2002
ECON 4553	Economics of Population	3	ECON 2001 or AEDE 2001
ECON 4560	Cooperation and Conflict in the Global Economy	3	ECON 2001 or AEDE 2001 and ECON 2002
ENR 3500	Community, Environment and Development	3	ENR 2300/203
ENR 4000	Environmental and Natural Resources Policy	3	ENR 2100 and ENR 2300
ENR 4400	Law and Legal Process	3	--
ENR 5210	Evaluation of Environmental Impact	3	Junior or Senior Standing
ENR 5211	International Environmental Impact Assessment	3	Junior or Senior Standing
ENVENG/FABE 5310	Ecological Engineering	4	Junior standing
RURLSOC 3580	Social Groups in Developing Societies	3	3 credit hours in RURLSOC, SOC or a related social science
RURLSOC 4500	Leadership and Community Development	3	RURLSOC 1500 or SOCIOL 1101
RURLSOC 5500	Diffusion of Innovations	3	--
RURLSOC 5580	Social Impact Assessment	3	--
SOCIOL 3460	Environmental Justice	3	--

A minimum overall GPA for courses comprising the minor shall be 2.00.

A minor should be declared at the time a student accumulates 60 hours.

A maximum of one course may overlap between the minor and the GE (Writing and Communication, Foreign Language, Literature, Visual and Performing Arts, Culture and Ideas, Historical Study, Quantitative Reasoning, Data Analysis, Natural Science, Social Science, Cross-Disciplinary Seminar, Service-Learning, Education Abroad).

Courses taken on a pass/non pass basis may not be applied to the minor.