

## SCHOOL OF ENVIRONMENT & NATURAL RESOURCES

### Undergraduate Minor in Environment, Economy, Development, & Sustainability

Pressing environmental issues such as climate change & water quality are fundamentally connected to human impacts & problems of resource scarcity, access & 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 & natural systems, which includes an understanding of the interdependencies among the economy, institutions, technology, society & environmental challenges such as climate change, renewable energy & 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 & use, familiarity with the processes of social change & the knowledge to develop solutions.

The EEDS minor provides a multi-disciplinary approach with a focus on the economic, business & 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 & non-profit sectors. Through the EEDS minor, students obtain knowledge of sustainability concepts & methods that complement their major program of study in a variety of natural, physical, engineering & social science disciplines. The EEDS minor curriculum is comprised of core courses from the EEDS major & 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 & theory related to economics, business, sociology & community & 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
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#### **Required: Introductory Course**

ENR/AEDECON 2500	Introduction to Environment, Economy, Development & Sustainability	3	Sophomore standing
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#### **Choose 1: Core Course (Economics & Business)**

AEDECON 4310	Environmental & Natural Resources Economics	3	ECON 2001 or AEDECON 2001
BUSADM 3640.02	Introduction to Sustainability in Business: Concepts & Issues	3	Junior or Senior standing

#### **Choose 1: Core Course (Community & Development)**

AEDECON/ INTSTDS 4597.01	Problems & Policies in World Population, Food, & Environment	3	Junior or Senior standing
ENR 3500	Community, Environment & Development	3	ENR 2300, RURLSOC1500 or SOCIOL 1101
RURLSOC 3580	Social Groups in Developing Societies	3	3 cr hrs in RURLSOC, SOC or related social science

#### **Choose 2: Elective Courses in Environment, Economy, Development & Sustainability**

AEDECON 3680	Regional Economics & Sustainable Growth	3	ECON 2001 or AEDECON 2001
AEDECON 4310	Environmental & Natural Resources Economics	3	ECON 2001 or AEDECON 2001
AEDECON/ INTSTDS 4320	Energy, the Environment, & the Economy	3	ECON 2001 or AEDECON 2001
AEDECON 4330	The Sustainable Economy: Concepts & Methods	3	AEDECON 4310

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<b>Course number</b>	<b>Course Title</b>	<b>Credit hours</b>	<b>Prerequisites</b>
AEDECON/ INTSTDS 4532	Food Security & Globalization	3	ECON 2001 or AEDECON 2001
AEDECON/ INTSTDS 4535	International Economic Development	3	ECON 4001 or AEDECON 2001
AEDECON/ INTSTDS 4597.01	Problems & Policies in World Population, Food, & Environment	3	Junior or Senior standing
AEDECON 5330	Benefit-Cost Analysis	3	AEDECON 4310; or ECON 4001 or AEDECON 4001
BUSADM 3640.02	Introduction to Sustainability in Business: Concepts & Issues	3	Junior or Senior standing
BUSADM 3642.02	Introduction to Sustainability in Business: Applications & Solutions	3	BUSADM 3640.02
COMLDR 4430	Leadership in Teams & Community Organizations	3	
CRP 3400	Planning for Sustainable Economic Development	3	ECON 2001 or AEDECON 2001
ECON 4547	Economics of War	3	ECON 2001 or AEDECON 2001 & ECON 2002
ECON 4500	Economic Development	3	ECON 2001 or AEDECON 2001 & ECON 2002
ECON 4553	Economics of Population	3	ECON 2001 or AEDECON 2001
ECON 4560	Cooperation & Conflict in the Global Economy	3	ECON 2001 or AEDECON 2001 & ECON 2002
ENR 3500	Community, Environment & Development	3	ENR 2300, RURLSOC 1500 or SOCIO 1100
ENR 4000	Environmental & Natural Resources Policy	3	ENR 2100 & ENR 2300
ENR 4400	Law & 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
ENR 3900	Sustainability Metrics	4	ENR 2000 or AEDECON 2005 or GE Data Analysis course
ENR 5797.01/.02	Education Abroad: Australia	3	
ENR 5797.03/.04	Education Abroad: New Zealand	3	
ENR 5797.07	Education Abroad: Dominican Republic	3	
ENR 5797.10	Education Abroad: Antarctica	3	
ENR 5797.11	Education Abroad: Tanzania	3	
FAES 3797	Education Abroad: Costa Rica	3	
AEDECON 5797	Education Abroad: Czech Republic	3	
RURLSOC 3580	Social Groups in Developing Societies	3	3 credit hours in RURLSOC, SOC or a related social science
RURLSOC 4500	Community Development in Practice	3	ENR 3500
RURLSOC 5500	Diffusion of Innovations	3	
RURLSOC 5580	Social Impact Assessment	3	
SOCIOL 3460	Environmental Justice	3	

### **Restrictions and General Information**

1. A maximum of 3 approved study abroad credits (from programs listed above) may be used toward the *Elective* category of the minor.
2. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.
3. A minor should be declared at the time a student accumulates 60 hours.
4. A student is permitted to overlap up to 6 credit hours between the GE and the minor.
5. The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e. if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with a major or with another minor).
6. The minor must include at least 6 hours of upper-level or upper-division course work (3000 or above).
7. Course work graded Pass/Non-Pass cannot count in the minor, and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor.
8. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.
9. No more than 3 credit hours of xx93 may count toward the minor.