

Fiscal Unit/Academic Org	Sch of Enviro&Natural Res - D1173
Administering College/Academic Group	Food, Agric & Environ Science
Co-administering College/Academic Group	
Semester Conversion Designation	New Program/Plan
Proposed Program/Plan Name	Environment, Economy, Development and Sustainability
Type of Program/Plan	Undergraduate minor
Program/Plan Code Abbreviation	EEDS-MN
Proposed Degree Title	

Credit Hour Explanation

Program credit hour requirements		A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program				15	
Required credit hours offered by the unit	Minimum			3	
	Maximum			12	
Required credit hours offered outside of the unit	Minimum			3	
	Maximum			12	
Required prerequisite credit hours not included above	Minimum			0	
	Maximum			12	

Program Learning Goals

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

- Program Learning Goals**
- Students will gain an introduction to the issues and problems related to environmental sustainability, economy, development and society.
 - Students will achieve a basic understanding of concepts from economics, business, sociology and community development within private, public and non-profit organizations.
 - Students will achieve an understanding of how natural and human systems influence economic and social well-being.
 - Students will have opportunities to apply quantitative skills and theoretical concepts to assess the sustainability of specific projects and policies at various scales of governance.

Assessment

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? No

Program Specializations/Sub-Plans

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

Pre-Major

Does this Program have a Pre-Major? No

Attachments

- EEDS - all concurrence.docx: Letter from ENR/Concurrence
(Support/Concurrence Letters. Owner: Johnston,Renee L)
- EEDS minor logo(2) Revised Per College Committee.pdf: EEDS Minor FAES Rev Version
(Semester Advising Sheet(s). Owner: Pfister,Jill Ann)
- College Coverlatter.pdf: College Coverletter
(Letter from the College to OAA. Owner: Pfister,Jill Ann)
- EEDSMInor_proposal_march292013[1].docx: EEDS minor proposal
(Program Proposal. Owner: Johnston,Renee L)
- EEDS_ASC_Revised[2].doc: ASC Version of EEDS Minor
(Semester Advising Sheet(s). Owner: Pfister,Jill Ann)

Comments

- We have attached a revised proposal and revised ASC Minor sheet *(by Pfister,Jill Ann on 04/04/2013 07:07 AM)*
- See 3-27-13 e-mail to R. Johnston. *(by Vankeerbergen,Bernadette Chantal on 03/27/2013 07:13 PM)*

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Johnston,Renee L	12/05/2012 10:34 AM	Submitted for Approval
Approved	Pfister,Jill Ann	02/28/2013 10:52 AM	Unit Approval
Approved	Pfister,Jill Ann	03/19/2013 08:40 PM	SubCollege Approval
Approved	Pfister,Jill Ann	03/19/2013 08:43 PM	College Approval
Revision Requested	Vankeerbergen,Bernadette Chantal	03/27/2013 07:14 PM	ASCCAO Approval
Submitted	Pfister,Jill Ann	04/04/2013 07:08 AM	Submitted for Approval
Approved	Pfister,Jill Ann	04/09/2013 11:34 AM	Unit Approval
Approved	Pfister,Jill Ann	04/09/2013 11:37 AM	SubCollege Approval
Approved	Pfister,Jill Ann	04/09/2013 11:38 AM	College Approval
Pending Approval	Nolen,Dawn Jenkins,Mary Ellen Bigler Vankeerbergen,Bernadette Chantal Hogle,Danielle Nicole Hanlin,Deborah Kay	04/09/2013 11:38 AM	ASCCAO Approval



Room 100
2120 Fyffe Road
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Phone 614-292-6891
FAX 614-292-1218

March 18, 2013

Randy Smith
Vice Provost
203 Bricker Hall
190 North Oval Mall
CAMPUS

Randy Smith:

The College of Food, Agricultural, and Environmental Sciences is pleased to submit a new minor in Environment, Economy, Development and Sustainability. This minor has been submitted and approved by the School of Environment and Natural Resources and approved unanimously by the College Committee on Academic Affairs on January 7, 2013. The minor is developed according to the College's guidelines for minors and we would like this minor available for use as soon as it is approved.

Thank you for your consideration.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jill A. Pfister".

Jill A. Pfister
Assistant Dean, Academic Affairs
And College Secretary



November 18, 2012

Dr. Randy Smith, Vice Provost
The Office of Academic Affairs
203 Bricker Hall
Campus

Dear Dr. Smith,

The faculty of the School of Environment and Natural Resources (SENR) recommend that the attached proposal for a minor in Environment, Economy, Development and Sustainability (EEDS) be approved under our Bachelor's of Science in Environment and Natural Resources (ENR) degree. The proposed minor is an outgrowth of the joint effort between the School of Environment and Natural Resources (SENR) and the Department of Agricultural, Environmental and Developmental Economics (AEDE) to develop the EEDS major last year. That major, which was launched this fall semester, created a program that combined a solid foundation in environmental science with the quantitative skills and understanding of human systems necessary to assess and implement sustainable resource use. As is true for the EEDS major, the proposed minor leverages the respective expertise of our programs with those of partner colleges and departments (including the Department of Food, Agricultural and Biological Engineering, the Fisher College of Business, and City and Regional Planning in the Knowlton School of Architecture) to give students a common knowledge framework, and provides them with basic knowledge of the four EEDS focus areas in sustainability and business, environmental economics, community development and international development.

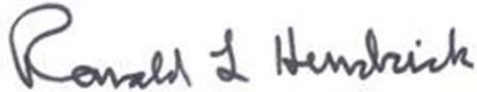
The EEDS minor will both enhance and complement our current academic program offerings. Presently, we have five undergraduate majors under the ENR degree: Environment, Economy, Development and Sustainability; Forestry, Fisheries and Wildlife; Environmental Policy and Decision Making; Natural Resource Management; and Environmental Science. In addition, we currently offer six undergraduate minors: Soil Resources; Rural Sociology; Environmental Science; Forestry, Fisheries & Wildlife; Society and Environmental Issues; and Sustainable Agriculture. Our graduate degree programs include the Master of Science and Doctor of Philosophy. We offer seven specializations under both degrees: Ecological Restoration; Ecosystem Science; Environmental Social Sciences; Rural Sociology; Fisheries and Wildlife Science; Forest Science; and Soil Science. We also offer three graduate minors: Environment and Natural Resources; Soil Science; and Rural Sociology. Our third graduate degree program is a professional Master's degree, the Master of Environment and Natural Resources. Finally, we offer three combined programs, including a combined BS/MS, and combined BS/MENR. Our third combined degree is a dual Master's degree program with the John Glenn School of Public Affairs: MS/MAPPM (Master of Arts in Public Policy and Management) or MS/MPA (Master of Public Administration)

The proposed minor in Environment, Economy, Development and Sustainability was developed and approved in several stages. Two faculty members, Dr. Elena Irwin (AEDE) and Dr. Jeff Sharp (SENR), led the effort throughout the development and approval process. With input from a number of SENR and AEDE faculty, and both my and AEDE chair Dr. Tim Haab's support, they worked through a number of iterations until the proposal was sufficiently developed for formal review by both SENR's and AEDE's respective academic affairs committees. Input from other participating academic units was solicited in a parallel

process, including Sociology, the John Glenn School of Public Affairs, and the Office of energy and Environment (see attached).

Having reviewed and provided input on the proposal since it's inception, listened to faculty discussions, and read the comments and concurrences from participating and affected academic units, I whole-heartedly endorse the proposal for a minor in Environment, Economy, Development and Sustainability, and strongly recommend it for approval.

Sincerely,

A handwritten signature in black ink that reads "Ronald L. Hendrick". The signature is written in a cursive, slightly slanted style.

Ronald Hendrick, PhD
SENR Director and Professor

3018 Smith Laboratory
174 W. 18th Avenue
Columbus, OH 43210

Phone (614) 247-4762
Fax (614) 247-4257
Web oee.osu.edu

November 9, 2012

Dr. Ronald Hendrick, Director
School of Environment and Natural Resources
The Ohio State University
210 Kottman Hall
2021 Coffey Road
Columbus, Ohio 43210-8522

Dear Ron:

The Office of Energy and Environment is pleased to support the School of Environment and Natural Resources and the Department of Agricultural, Environmental, and Development Economics in the creation of a new academic minor in Environment, Economy, Development, and Sustainability (EEDS). We are also very supportive of the creation of a new introductory course for all EEDS students.

As you know, the issues of energy, environment, and sustainability are of growing concern to many of our students. We are contacted almost every day by students who are looking for classes in energy, environment, or sustainability or who want to get involved in some way. We believe the new minor and introductory course will complement the already existing EEDS major, as well as many other already existing major fields of study, and will meet the growing needs and interests of a wide range of students.

My office stands at the ready to provide whatever guidance or support is needed to advance this worthy cause. Creating a new academic minor and introductory course is an important step in the right direction toward ensuring all Ohio State students graduate with some knowledge in energy, environment, and sustainability.

Sincerely,



Ronald M. Segal
Vice President and Enterprise Executive for Energy and Environment
The Ohio State University

RMS/pal



Department of Agricultural, Environmental, and Development Economics

Agricultural Administration Building
2120 Fyffe Road
Columbus, OH 43210-1067

Phone (614) 292-7911
Fax (614) 292-4749
<http://aede.ag.ohio.state.edu/>

To: The Office of Academic Affairs
From: Tim Haab, Professor and Chair, AEDE
RE: Concurrence for new EEDS minor and new EEDS course
Date: 11/14/2012

It is with pleasure that I submit this memorandum of concurrence for a new minor in the Department of Agricultural, Environmental and Development Economics and the School of Environment and Natural Resources in the College of Food, Agricultural and Environmental Sciences. The faculty of AEDE has reviewed the new minor and unanimously recommends concurrence.

It is noted that the new EEDS major and minor require the creation of a new 2000 level introductory course co-taught between AEDE and SENR and entitled: Introduction to Environment, Development and Sustainability. AEDE also concurs with the establishment of this new course and is committed to providing the shared resources necessary for the administration of the new minor and the teaching of the new course.

Please let me know if I can provide any additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'T. Haab', written in a cursive style.

Timothy C. Haab
Professor and Chair

From: Williams, Kristi [mailto:williams.2339@sociology.osu.edu]

Sent: Thursday, November 15, 2012 12:00 PM

To: 'Jeff Sharp'

Subject: RE: Request for concurrence, EEDS course and minor proposal

Dear Jeff, Thanks for giving us the opportunity to offer feedback. Both the minor proposal and introductory course look very solid and I'm sure they will be a great benefit to students. I am happy to offer concurrence on the Introduction to EEDS course. This seems appropriately geared directly to the major and minor program and does not appear to overlap in content with any of our curriculum. The minor proposal also looks well-developed and we are glad to have SOC 3460 (Environmental Justice) included as an elective option. I am happy to offer concurrence for the EEDS minor as well.

Best wishes,

Kristi Williams, Ph.D.

Associate Professor & Director of Undergraduate Studies
Department of Sociology

155 Townshend Hall

1885 Neil Avenue Mall

John Glenn School

From: Brown, Trevor [mailto:brown.2296@osu.edu]

Sent: Thursday, November 08, 2012 8:47 PM

To: Greenbaum, Robert; Irwin, Elena

Cc: Hallihan, Kathleen; Adams, Christopher

Subject: RE: EEDS minor and intro course proposals Elena, We are happy to concur for both the course and the minor proposal. This looks like a minor that we will likely include among the approved minors for the specialization requirement of our undergraduate degree.

Trevor

Proposal: Undergraduate Minor in Environment, Economy, Development and Sustainability

I. GENERAL INFORMATION

Give the name of the proposed minor

Environment, Economy, Development and Sustainability (EEDS)

State what degree students competing the minor will receive

Minor in EEDS

Academic unit

School of Environment and Natural Resources (SENR) and the Department of Agricultural, Environmental and Development Economics (AEDE)

Type of program

Undergraduate minor

II. Rationale

Program Rationale Statement

Many of the biggest challenges facing the world today are characterized by complex interactions among humans and the environment. 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 solid 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 proposed EEDS minor provides a multi-disciplinary approach to sustainability topics and problems 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. A total of 15 semester hours are required for the minor.

This proposal was developed by the EEDS faculty committee, which is comprised of the EEDS program director and several faculty from SENR and AEDE that have provided leadership to the EEDS major. The proposal was developed in consultation with the SENR academic affairs committee, the AEDE undergraduate program director and committee and the faculty of both SENR and AEDE. A consensus was achieved through discussion at committee and faculty meetings and via email.

II. Learning Goals

Students who complete the EEDS Minor will achieve the following learning objectives:

- Students will be introduced to the issues and problems related to environmental sustainability, economy, development and society.
- Students will gain a basic understanding of concepts from economics, business, sociology and community development that are used to address contemporary issues and policies of sustainable development within private, public and non-profit organizations.
- Students will achieve an understanding of how natural and human systems influence economic and social well-being.
- Students will have opportunities to apply quantitative skills and theoretical concepts to assess the sustainability of specific projects and policies at various scales of governance.

III. Curriculum

The proposed minor is designed to provide an introduction to the concepts and practices of sustainability with a focus on the human dimensions of sustainability. The required introductory course gives students entering the minor a common framework and provides basic knowledge of the four EEDS focus areas: sustainability and business, environmental economics, community development and international development. Following this common foundation, the minor is designed to be flexible. Students choose one economics or business course; one development course; and two additional electives that allow the student to diversify or concentrate on one or two of these focus areas. After completion of the minor, students will be knowledgeable of the basic principles and concepts of sustainability and will have specific knowledge and training in applications of sustainability to business, economics, or social change processes.

The proposed curriculum for the minor is given in Table 1. The list of courses includes a proposed introductory course that will be a required course in both the EEDS major and minor. The proposal for this new course will be submitted at the same time as the EEDS minor proposal.

Environment, Economy, Development and Sustainability (EEDS) Minor Proposal

Table 1. Courses in the proposed minor program

Course number	GE Type	Course Title	Credit hours	Prerequisites
<u>Required: Introductory Course (proposed)</u>				
ENR/AEDE 2500	--	Introduction to Environment, Economy, Development and Sustainability	3	--
<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	--	Introduction to Sustainability in Business: Concepts & Issues	3	Permission of instructor
<u>Choose 1: Core Course (Community and Development)</u>				
AEDE/IS 4597.01	1	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	2	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	1	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 3642	--	Introduction to Sustainability in Business: Applications and Solutions	3	BUS ADMIN 3640
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

Course number	GE Type	Course Title	Credit hours	Prerequisites
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	4	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	--
ENR/RURLSOC/WGSST 3580	2	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 101
RURLSOC 5500	--	Diffusion of Innovations	3	--
RURLSOC 5580	--	Social Impact Assessment	3	--
SOCIOL 3460	3	Environmental Justice	3	--

- 1 – GE cross-disciplinary seminar course
- 2 – GE soc science individuals and groups and diversity global studies course
- 3 – GE soc sci human, nat, and econ resources
- 4 – GE soc science: organizations & politics

IV. Implementation

Faculty Workload

The School of Environment and Natural Resources (SENR) and the Department of Agricultural, Environmental and Development Economics (AEDE) are committed to offering the core and elective courses of the minor and are capable of delivering the minor with the current faculty members. Other units offering courses as electives in the minor include City and Regional Planning, Fisher College of Business and Agricultural Communication, Education, and Leadership.

Advising

Environment, Economy, Development and Sustainability (EEDS) Minor Proposal

The EEDS Program Director and SENR Academic Advising staff will work together to advise undergraduate students who are interested or already enrolled in the minor.

Enrollment

We would expect modest enrollment at the beginning. However, over time, we would expect that the EEDS minor will be a popular minor for students from a variety of majors, including business, social sciences, engineering and the natural sciences, as they seek to complement their education with this sustainability curriculum. In addition, we note that the proposed EEDS Introduction course is the entrée point for students interested in sustainability and therefore will attract students to the minor.

Curriculum Oversight

The EEDS program director and faculty committee will be responsible for reviewing the curriculum and making changes when it is necessary. The SENR and AEDE undergraduate program committees will also be consulted regarding curriculum development.



Environment, Economy, Development and Sustainability Minor
 School of Environment and Natural Resources
 Effective Autumn 2013
 3/1/13

Neil Drobny, Coordinator
 337 Ag. Admin. Bldg.
 2120 Fyffe Road
 614-247-6479
Drobny.3@osu.edu

The minor in environment, economy, development and sustainability minor provides students with a multi-disciplinary approach to sustainability topics and problems with a focus on the economic, business and social change aspects of sustainability. 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. A total of 15 semester hours are required for this minor.

Required: Introductory Course **Credit Hours**
 ENR/AEDECON 2500 Introduction to Environment, Economy, Development and Sustainability 3

Core Course: Economics and Business (Choose one)
 AEDECON 4310 Environmental and Natural Resource Economics 3
 BUSADMIN 3640 Intro to Sustainability in Business: Concepts and Issues 3

Core course: Community and Development (Choose one)
 AEDECON/ 4597.01 Problems and Policies in World Population, Food, and Environment 3
 INTSTDS
 ENR 3500 Community, Environment and Development 3
 RURLSOC 3580 Social Groups in Developing Societies 3

Elective Courses in Environment, Economy, Development & Sustainability (Choose two)

AEDECON	3680	Regional Economics and Sustainable Growth	3
AEDECON	4310	Environment and Natural Resource Economics	3
AEDECON/	4320	Energy, the Environment, and the Economy	3
INTSTDS			
AEDECON	4330	The Sustainable Economy: Concepts and Methods	3
AEDECON/	4532	Food Security and Globalization	3
INTSTDS			
AEDECON/	4535	International Economic Development	3
INTSTDS			
AEDECON/	4597.01	Problems and Policies in World Population, Food, and Environment	3
INTSTDS			
AEDECON	5330	Benefit-Cost Analysis	3
BUSADMIN	3642	Introduction to Sustainability in Business: Applications and Solutions	3
COMLDR	4430	Leadership in Teams and Community Organizations	3
CRP	3400	Planning for Sustainable Economic Development	3
ECON	4547	Economics of War	3
ECON	4500	Economic Development	3
ECON	4553	Economics of Population	3
ECON	4560	Cooperation and Conflict in the Global Economy	3
ENR	3500	Community, Environment and Development	3
ENR	4000	Environmental and Natural Resources Policy	3
ENR	4400	Law and Legal Process	3
ENR	5210	Evaluation of Environmental Impact	3
ENR	5211	International Environmental Impact Assessment	3
ENVENG/FABE	5310	Ecological Engineering and Science	4
ENR/RURLSOC/	3580	Social Groups in Developing Societies	3
WGSST			
RURLSOC	4500	Leadership and Community Development	3
RURLSOC	5500	Diffusion of Innovations	3
RURLSOC	5580	Social Impact Assessment	3
SOCIOI	3460	Environmental Justice	3

- Restrictions and General Information**
1. The minor is not available to student majoring in Environment, Economy, Development and Sustainability (EEDS).
 2. A minimum overall GPA for courses comprising the minor shall be 2.00.
 3. A minor should be declared at the time a student accumulates 60 hours.
 4. 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).
 5. Courses taken on a pass/non pass basis may not be applied to the minor.
 6. At least six credits must be at the 3000 level or above.

The Ohio State University
College of Arts and Sciences

Environment, Economy, Development and Sustainability Minor

Neil Drobny, Minor Coordinator
337 Ag. Admin. Bldg.
2120 Fyffe Road
614-247-6479
Drobny.3@osu.edu

The minor in environment, economy, development and sustainability provides students with a multi-disciplinary approach to sustainability topics and problems with a focus on the economic, business and social change aspects of sustainability. 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.

A total of 15 semester hours are required for this minor. You should file the form with your college or school counselor. For further information about the minor program, contact the department.

Required Introductory Course (3 hrs):
ENR/AEDECON 2500 (3)

Core course-Economics and Business (Choose one):
AEDECON 4310 (3), BUSADMIN 3640 (3)

Core Course-Community and Development (Choose one):

AEDECON/INTSTDS 4597.01 (3), ENR 3500 (3),
RURLSOC 3580 (3)

Elective Courses (Choose two):
AEDECON 3680 (3), 4310 (3), 5330 (3)
AEDECON/INTSTDS 4320 (3), 4330 (3), 4532 (3), 4535 (3), 4597.01 (3)
BUSADMIN 3642 (3)
COMLDR 4430 (3)
CRP 3400 (3)
ECON 4547 (3), 4500 (3), 4553 (3) 4560 (3)
ENR 3500 (3), 4000 (3), 4400 (3), 5210 (3), 5211 (3)
ENVENG/FABE 5310 (4)
ENR/RURSOC/WGSST 3580 (3)
RURLSOC 4500 (3), 5500 (3), 5580 (3)
SOCIOL 3460 (3)

Environment, Economy, Development and Sustainability minor program guidelines

The following guidelines govern minors:

Required for graduation No

Credit hours required A minimum of 15 credit hrs (some minors require more). 1000 level courses shall not be counted toward the 15 credit hr minimum.

Transfer credit hours allowed No more than one half of the credit hours required on the minor.

Overlap with the GE 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).

Overlap with the major Not allowed and

- The minor must be in a different subject than the major.
- The same courses cannot count on the minor and on the major.

Overlap between minors Each minor completed must contain 12 unique hours.

Grades required

- Minimum C- for a course to be listed on the minor.
- Minimum 2.00 cumulative point-hour ratio required for the minor.
- Course work graded Pass/Non-Pass cannot count on the minor.

Minor Approval Not required as long as students complete the courses as indicated on the minor program description.

Filing the minor program form The minor program form must be filed at least by the time the graduation application is submitted to a college/school counselor.

Changing the minor Once the minor program is filed in the college office, any changes must be approved by the academic unit offering the minor.

College of Arts and Sciences
Curriculum and Assessment Services
154 Denney Hall, 164 W. 17th Ave.
<http://artsandsciences.osu.edu>
SS 3/29/2013