

**SENR/AEDE**  
**Environment, Economy, Development & Sustainability**  
 122 Hours - Q2S Curriculum - Summer Semester 2013

COURSE & NUMBER	Units	COURSE & NUMBER	Units
<b>UNIVERSITY REQUIREMENTS (GE)</b>		<b>EEDS CORE REQUIREMENTS: Problems &amp; Solutions to Environment, Economy and Development Issues</b>	<b>35 Hours</b>
<b>Writing Skills</b>	<b>6 Hours</b>	ENR 100/1100 (ENR Survey)	1
English 110/1110 (First Year Writing Course)	3	ENR 2500 Intro to Environment, Economy, Development, and Sustainability	3
ENR 367/2367 (Communicating Environmental and Natural Resources Information) or Writing Level 2 GE Equivalent course	3	AED ECON 597.01/4597.01 (Problems and Policies in World Population, Food and Environment)	3
<b>Arts &amp; Humanities</b>	<b>12 Hours</b>	AED ECON 3680 (Regional Economics and Sustainable Growth)	3
GE Literature Course ●▲	3	AED ECON 531/4310 (Environmental and Natural Resources Economics)	3
GE Arts Course ●▲	3	AEDECON 4330 (The Sustainable Economy: Concepts and Methods)	3
GE History Course ●▲ [Recommended: HISTORY 2700, 2701, 2702, 2704]	3	BUS ADMIN 504.01/3640.02 (Intro to Sustainability in Business I: Principles & Concepts)	3
GE Culture & Ideas or other Humanities course ●▲ [Recommended: ENR 347/3470 (Religion & Environmental Values in America)]	3	BUS ADMIN 504.02/3642.02 (Intro to Sustainability in Business: Applications, Solutions, & Project Experience)	3
<b>Social Sciences</b>	<b>9 Hours</b>	ENR 3500 (Community, Environment & Development)	3
RURLSOC 105/1500 ● (Recommended) or GE Social Science ●▲	3	ENR 400/4000 (Environmental and Natural Resources Policy) or AEDECON 4003 (Economics of Public Policy Analysis)	3
ENR 203/2300 (Society and Natural Resources)	3	FABE/ENVENG 5310 (Ecological Engineering)	4
AED ECON 200/2001 or ECON 200/2001 (Microeconomics)	3	RURLSOC 662/5500 (Diffusion of Innovations)	3
<b>Diversity Courses</b>	<b>overlapping</b>	<b>EXPERIENTIAL LEARNING REQUIREMENTS</b>	<b>5-8 Hours</b>
<b>Social Diversity in US ●</b>	----	Capstone Course: AED ECON/ENR/FABE 567/4567 (Assessing Sustainability: Project Experience)	3
<b>Global Studies Course 1 ▲</b>	----	Internship: ENR 689/4191 or AEDECON 4191 or Study Abroad (AED Econ or ENR)	2-5
<b>Global Studies Course 2 ▲</b>	----	<b>EEDS Specializations:</b>	<b>21 Hours</b>
<b>Analysis Methods and Tools</b>	<b>9 Hours</b>	<b>Sustainability and Business Specialization</b>	
AED ECON 205/2005 or ENR 222/2000 (Recommended) or GE Equivalent Statistics/Data Analysis course	3	<b>Environmental Economics and Policy Analysis Specialization</b>	
ENR 324/3700 (Intro to Spatial Info for Natural Resources)	2	<b>Community Development Specialization</b>	
Math 130/1130 (College Algebra for Business) or Math 148/1148 (College Algebra)	4	<b>International Development Specialization</b>	
<b>Natural Sciences Foundations</b>	<b>14-15 Hours</b>		
ENR 201/2100 (Intro to Environmental Science)	3		
Biology 101/1101 or Biology 113/1113 (Intro Biology I) or Biology 1109 (Biology of Sustainability – <i>new course</i> )	4		
Physical Science (with lab)	4-5		
GE Open Science Option: Choose from approved list*	3		
<b>Free Electives</b>	<b>10 Hours</b>	<b>MINIMUM HRS FOR GRADUATION</b>	<b>122 Hours</b>

\* **GE Open Science Option List:** EARTHSC 151/1151 (Natural Disasters: Earthquakes, Volcanic Eruptions and Related Hazards), EARTHSC 203/2203 (Environmental Geoscience), EARTHSC 204/2204 (Exploring Water Issues), EARTHSC 210/2210 (Energy, Mineral Resources and Society), ENR 155/2155 (Energy and the Environment), ENR 300.01/3000 (Intro to Soil Science), GEOG 210/2800 (Physical Geography and Environmental Issues), GEOG 420/3900 (Global Climate Change: Causes and Consequences)

**EEDS ADDITIONAL COURSES BY SPECIALIZATION**

COURSE & NUMBER	UNITS
<b>Sustainability and Business Specialization</b>	
<i>Required Courses:</i>	12
AED ECON 412 / 2105 Managerial Records and Analysis or ACCTMIS 310 / 2000 Foundations of Accounting or ACCTMIS 211 / 2200 Introduction to Accounting	3
AED ECON 403 / 3103 Principles of Agribusiness Finance or BUSFIN 420 / 3120 Foundations of Finance	3
AED ECON 565 / 4320 Energy, Environment and the Economy	3
ENR 4400 Law and Legal Process or ECON 570 / 4700 Government and Business	3
<i>Specialization Electives- CHOOSE ONE from the following list:</i>	3
AED ECON 631 / 5330 Benefit-Cost Analysis	3
ENR 601 / 5210 US Environmental Impact Assessment	3
ENR 602 / 5211 International Environmental Impact Assessment	3
BUS ADMIN 4983.02/ 2798 Green Business	3
RURLSOC 688 / 5580 Social Impact Assessment	3
PUBAFRS 5750H The Business Government Relationship	3
DESIGN 2700 Introduction to Design Practice	3
EARTHSCI 2203 Environmental Geoscience	3
<i>CHOOSE TWO more from the list of EEDS electives:</i>	6
<b>Sustainability and Business Specialization Total</b>	<b>21</b>

<b>Sustainability and Business Specialization Total</b>	<b>21</b>
<b>University GE Total/SENR Core Total</b>	<b>101</b>
<b>Minimum Degree Total</b>	<b>122</b>

<b>Environmental Economics and Policy Analysis Specialization</b>	
<i>Required Courses:</i>	12
AED ECON 500 / 4001 Managerial Economics for Agribusiness or ECON 501.02 / 4001.02 or ECON 501.02 / 4001.03 Intermediate Microeconomics (MATH 131 is a pre-requisite)	3
AED ECON 631 / 5330 Benefit-Cost Analysis (AED ECON 500 / 4001 or ECON 501.02 / 4001.02 or ECON 501.02 / 4001.03 Intermediate Microeconomics is a pre-requisite)	3
AED ECON 565 / 4320 Energy, the Environment, and the Economy	3
ENR 601 / 5210 US Environmental Impact Assessment	3
<i>Specialization Electives- CHOOSE ONE from the following list:</i>	3
AED ECON 503 / 4003 Economics of Public Policy Analysis (if not taken in core)	3
ENR 649 / 5649 Wildlife Conservation Policy	3
ENR 736 / 5325 Public Forest and Lands Policy	3
AED ECON 470 / 3170 Agribusiness Law	3
ECON 271H / 3710 Law and Economics	3
ENR 4400 Law and Legal Process	3
CHOOSE TWO more from the list of EEDS electives:	6
<b>Environmental Economics and Policy Analysis Specialization Total</b>	<b>21</b>

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<b>University GE Total/SENR Core Total</b>	<b>101</b>
<b>Minimum Degree Total</b>	<b>122</b>

<b>Community Development Specialization</b>	
<i>Required Courses:</i>	12
<i>CHOOSE FOUR from the list below:</i>	
AEE 442 / COMLDR 4430 Leadership in Teams and Community Organizations	3
CRP 3400 Planning for Sustainable Economic Development	3
RURLSOC 542 / 4500 Leadership and Community Development	3
RURLSOC 5540 Population, Place, and Environment	3
RURLSOC 688 / 5580 Social Impact Assessment	3
<i>Specialization Electives- CHOOSE ONE from the following list:</i>	3
AEE 420 / COMLDR 3330 Program Development and Evaluation	3
COMLDR 3535 Toward Cultural Proficiency	3
CRP 2200 Sustainable Infrastructure Planning	3
CRP 3000 Planning Resilient Environments	3
CRP 3500 The Socially Just City	3
CRP 745&780 / 3600 Land Development Planning	3
CRP 774 / 4110 Transportation and Land Use Planning	3
CRP 732&733 / 5420 Planning Places with People in Mind	3
CRP 720 / 5500 Energy Planning	3
ENR 4400 Law and Legal Process or ECON 570 / 4700 Government and Business	3
ENR 601 / 5210 US Environmental Impact Assessment	3
GEOG 655 / 5402 Land Use Geography	3
RURLSOC 678 / 5570 Women in Rural Sociology	3
<i>CHOOSE TWO more from the list of EEDS electives:</i>	6
<b>Community Development Specialization Total</b>	<b>21</b>

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<b>University GE Total/SENR Core Total</b>	<b>101</b>
<b>Minimum Degree Total</b>	<b>122</b>

<b>International Development Specialization</b>	
<i>Required Courses:</i>	12
AED ECON/IS 532 / 4532 Food Security and Globalization	3
AED ECON/IS 535 / 4535 International Economic Development	3
ENR 602 / 5211 International Environmental Impact Assessment	3
RURLSOC 378 / 3580 Social Groups in Developing Societies or ENR/WGSST 3530 Women, Environment and Development	3
<i>Specialization Electives- CHOOSE ONE from the following list:</i>	3-4
AED ECON/IS 536 / 4536 Economic Development of Sub-Saharan Africa	3
AED ECON/ECON/IS 537 / 4537 Middle Eastern Economic Development	3
AED ECON/IS 538 / 4538 Latin American Economic Development	3
AED ECON/IS 539 / 4539 China's Economic Reforms and Globalization	3
AED ECON/IS 540 / 4540 International Commerce and the World Economy	3
ANTHROP 597.01 / 4597.01 - Cultural Conflict in Developing Nations	3
CRP 597 / 4597 The Global Environment in Planning	3
ECON 550 / 4500 Economic Development	3
ECON 508 / 4508 Comparative Economic Systems	3
ECON 560 / 4600 International Economic Relations	3
ECON 556 / 4560 Cooperation and Conflict in the Global Economy	3
ECON 615 / 5150 Economic Transitions in the 20 <sup>th</sup> Century	4
ENR/Women's Studies 3530 Women Environment & Development	3
GEOG 597.01 / 3597.01 World Urbanization	3
GEOG 470 / 3702 - Life and Death Geographies: Global Population Dynamics	3
POLI SCI 541 / 3220 Politics of the Developing World	3
POLI SCI 559 / 4335 International Environmental Politics	3
RURLSOC 378 / 3580 Social Groups in Developing Societies	3
RURLSOC 688 / 5580 Social Impact Assessment	3
CHOOSE TWO more from the list of EEDS electives:	6
<b>International Development Specialization Total</b>	<b>21</b>

<b>International Development Specialization Total</b>	<b>21</b>
<b>University GE Total/SENR Core Total</b>	<b>101</b>
<b>Minimum Degree Total</b>	<b>122</b>

<b>EEDS ELECTIVES</b>	
COURSE & NUMBER	UNITS
<i>Business and Management</i>	
AED ECON 412 / 2105 Managerial Records and Analysis or ACCTMIS 310 / 2000 Foundations of Accounting	3
AED ECON 401 / 3101 Principles of Agribusiness Management	3
AED ECON 402 / 3102 Principles of Agribusiness Marketing	3
AED ECON 403 / 3103 Principles of Agribusiness Finance	3
AED ECON 500 / 4001 Managerial Economics for Agribusiness (Math 131 is a pre-requisite)	3
<i>Communities and Social Groups</i>	
ANTHROP 597.01 / 4597.01 - Cultural Conflict in Developing Nations	3
AEE 442 / COMLDR 4430 Leadership in Teams and Community Organizations	3
AEE 420 / COMLDR 3330 Program Development and Evaluation	3
COMLDR 3535 Toward Cultural Proficiency	3
ECON 348 / 3048 - Ethics and Social Responsibility in Economic Life	3
ENR/WGSST 3530 Women Environment & Development	3
RURLSOC 378 / 3580 Social Groups in Developing Societies	3
RURLSOC 542 / 4500 Leadership and Community Development	3
RURLSOC 678 / 5570 Women in Rural Sociology	3
RURLSOC 688 / 5580 Social Impact Assessment	3
SOCIOL 367.02 / 2367.02 Urban Social Problems	3
SOCIOL 391 / 2391 Social Organization of Communities	3
SOCIOL 597.01 / 3597.01 World Problems in Global Context	3
SOCIOL 597.02 / 3597.02 World Population Problems	3
SOCIOL 591 / 4591 Building Community Capacity: A Service Learning Approach	3
<i>Economics and Development</i>	
AED ECON 280 / 2580 Feast or Famine: The Global Business of Food	3
AED ECON/IS 532 / 4532 Food Security and Globalization	3
AED ECON/IS 536 / 4536 Economic Development of Sub-Saharan Africa	3
AED ECON/ECON/IS 537 / 4537 Middle Eastern Economic Development	3
AED ECON/IS 538 / 4538 Latin American Economic Development	3
AED ECON/IS 539 / 4539 China's Economic Reforms and Globalization	3
AED ECON/IS 540 / 4540 International Commerce and the World Economy	3
ECON 550 / 4500 Economic Development	3
ECON 508 / 4508 Comparative Economic Systems	3
ECON 556 / 4560 Cooperation and Conflict in the Global Economy	3
ECON 560 / 4600 International Economic Relations	3
ECON 615 / 5150 Economic Transitions in the 20 <sup>th</sup> Century	4
<i>Environmental Policy, Law and Public Management</i>	
AED ECON 503 / 4003 Economics of Public Policy Analysis - if not taken in core (AED ECON 500 / 4001 or equivalent intermediate microeconomics course is a pre-requisite)	3
AED ECON 565 / 4320 Energy, the Environment, and the Economy	3

<b>EEDS ELECTIVES</b>	
AED ECON 631 / 5330 Benefit-Cost Analysis (AED ECON 500 / 4001 or equivalent intermediate microeconomics course is a pre-requisite)	3
ECON 271H / 3710 Law and Economics	3
ECON 570 / 4700 Government and Business	3
ENR 4400 Law and Legal Process	3
ENR 606.01 / 4900.01 Environment and Natural Resources Management	3
ENR 736 / 5325 Public Forest and Lands Policy	3
ENR 649 / 5649 Wildlife Conservation Policy	3
POLI SCI 559 / 4335 International Environmental Politics	3
PUBAFRS200 / 2110 Introduction to Public Affairs	3
PUBAFRS 337 / 2150 Introduction to Non-Profit Organizations	3
PUBAFRS 3140 Nonprofit Management and Governance	3
<i>Environmental Sciences</i>	
EARTHSCI 204 / 2204 Exploring Water Issues	3
EARTHSCI 210 / 2210 Energy, Mineral Resources and Society	3
EARTHSCI 411 / 3411 Water Security for the 21 <sup>st</sup> Century	3
EARTHSCI 425 / 4425 Energy Resources and Sustainability	3
ENR/EARTHSCI 155 / 2155 Energy and Environment	3
ENR 300.01 / 3000 Introduction to Soil Science	3
ENR 355 / 3280 Water Quality Management	2
ENR 319 / 3300 Introduction to Forestry, Fisheries and Wildlife	3
ENR 601 / 5210 US Environmental Impact Assessment	3
ENR 602 / 5211 International Environmental Impact Assessment	3
ENR 725 / 5250.01 Wetland Ecology and Restoration	3
ENR 622 / 5280 Stream Ecology	4
GEOG 210 / 2800 Our Global Environment	3
GEOG 420 / 3900 Global Climate Change: Causes and Consequences	3
<i>Humans and Environment</i>	
ANTHROP 411 / 3411 - Human Ecological Adaptations (ANTHROP 200 / 2200 - Introduction to Physical Anthropology is a pre-requisite)	3
ANTHROP 597.05H / 4597.05H - The Global Food Crisis (for honors students only)	3
ENR 155 / 2155 Energy and Environment	3
ENR 615 / 3400 Psychology of Environmental Problems	3
ENR 347 / 3470 Religion & Environmental Values in America	3
ENR 5600 Sustainable Agriculture and Food Systems	3
GEOG 597.01 / 3597.01 World Urbanization	3
GEOG/ENG 597.03 / 3597.03 Environmental Citizenship	3
GEOG 642 / 5700 Geography of Development	3
GEOG 470 / 3702 Life and Death Geographies: Global Population Dynamics	3
GEOG 430 / 3800 Geographical Perspectives on Environment and Society	3
GEOG 655 / 5402 Land Use Geography	3

<b>EEDS ELECTIVES</b>	
GEOG 630 / 5801 Environmental Conservation	3
GEOG 635 / 5802 Globalization and Environment	3
RURLSOC 744 / 5540 Population, Place & Environment	3
SOCIOL 460 / 3460 Environmental Justice	3
<i>Planning and Engineering</i>	
AEDE/PUBAFRS/CRP 5900 Food Systems Planning and the Economy	3
ARCH 2220 Sustainability and the Built Environment	3
CRP 2200 Sustainable Infrastructure Planning	3
CRP 3400 Planning for Sustainable Economic Development	3
CRP 745&780 / 3600 Land Development Planning	3
CRP 597 / 4597 The Global Environment in Planning	3
CRP 720 / 5500 Energy Planning	3
FABENG 732 / 5320 Agroecosystems	3
FABENG 5550 Sustainable Waste Management	3
ISE 504 / 2040 Engineering Economics (permission of department required)	2
<i>Project Experience and Service Learning</i>	
AED ECON/ENR Study Abroad	3-9