

**AASHE STARS SUBMISSION 2012**  
**APPENDIX A: SUSTAINABILITY COURSE LIST**



The following table is presented in support of *ER Credit 6: Sustainability-Focused Courses*, *ER Credit 7: Sustainability-Related Courses*, and *ER Credit 8: Sustainability Courses by Department*. The courses are listed alphabetically, first by academic department and then by course title. There are 135 sustainability-related and 20 sustainability-focused courses listed. These courses are offered by 37 academic departments. These courses were offered during the 2011-2012 academic year.

Course Title	Academic Department	Sustainability-Related	Sustainability-Focused
Advances in Modeling Environmental and Natural Resources Systems	Agricultural & Biological Engineering (ABE)	○	
Biosensors: Fundamentals and Applications	Agricultural & Biological Engineering (ABE)	○	
Computer Models in Environmental and Natural Resources	Agricultural & Biological Engineering (ABE)	○	
Eco-hydrology	Agricultural & Biological Engineering (ABE)	○	
Instrumentation and Data Acquisition	Agricultural & Biological Engineering (ABE)	○	
Nonpoint Source Pollution Management	Agricultural & Biological Engineering (ABE)	○	
Process Engineering Of Renewal Resources	Agricultural & Biological Engineering (ABE)	○	
Soil And Water Resource Engineering	Agricultural & Biological Engineering (ABE)	○	
Watershed Systems Design	Agricultural & Biological Engineering (ABE)	○	
Economic Geography of World Food and Resources	Agricultural Economics (AGEC)	○	
Environmental Policy Analysis	Agricultural Economics (AGEC)	○	
Introduction to Resource Economics and Environmental Policy	Agricultural Economics (AGEC)		○
Natural Resource and Environmental Economics	Agricultural Economics (AGEC)	○	
Resource Economics and Policy	Agricultural Economics (AGEC)	○	
Environmental Systems Management	Agricultural Systems Management (ASM)	○	
Environmental Biophysics	Agronomy (AGRY)	○	
Environmental Fate of Pesticides	Agronomy (AGRY)	○	
Environmental Hydrology	Agronomy (AGRY)	○	
Environmental Organic Chemistry	Agronomy (AGRY)	○	
Environmental Soil Chemistry	Agronomy (AGRY)	○	
Introduction to Environmental Science	Agronomy (AGRY)	○	
Introduction to Natural Resource and Environmental Science Academic Programs	Agronomy (AGRY)	○	
Soil and Nutrient Management	Agronomy (AGRY)	○	

Course Title	Academic Department	Sustainability-Related	Sustainability-Focused
Soil Conservation and Water Management	Agronomy (AGRY)	○	
Soil Ecology	Agronomy (AGRY)	○	
Soils and Land Use	Agronomy (AGRY)	○	
Contemporary Issues in Animals Sciences II	Animal Science (ANSC)	○	
Environmental Physiology of Domestic Animals	Animal Science (ANSC)	○	
Archaeology and Materials Science	Anthropology (ANTH)	○	
Contemporary Issues in Agriculture	Anthropology (ANTH)	○	
Environment and Culture	Anthropology (ANTH)	○	
Human Diets: Origin & Evolution	Anthropology (ANTH)		○
Problems in Industrial Design	Art & Design (AD)	○	
Sustainability In The Built Environment	Art & Design (AD)		○
Textiles For Interiors	Art & Design (AD)	○	
Field Biology	Biology (BIOL)	○	
Great Issues: Environmental and Conservation Biology	Biology (BIOL)	○	
Advanced Plant Pathology	Botany (BTNY)	○	
Plants and Civilization	Botany (BTNY)	○	
Plants and the Environment	Botany (BTNY)	○	
Introduction to Construction	Building Construction Management (BCM)	○	
Sustainable Construction	Building Construction Management (BCM)		○
Chemical Reaction Engineering	Chemical Engineering (CHE)	○	
Flow Phenomena In Porous Media	Chemical Engineering (CHE)	○	
Frontiers In Chemical Engineering	Chemical Engineering (CHE)	○	
Process Dynamics and Control	Chemical Engineering (CHE)	○	
Transport Phenomena	Chemical Engineering (CHE)	○	
Atmospheric Chemistry	Chemistry (CHM)	○	
Environmental Chemistry	Chemistry (CHM)	○	
Advanced Air Pollution Control and Design	Civil Engineering (CE)	○	

Course Title	Academic Department	Sustainability-Related	Sustainability-Focused
Advanced Hydrology	Civil Engineering (CE)	○	
Advanced Physico/Chemical Processes of Environmental Engineering	Civil Engineering (CE)	○	
Advanced Subsurface Hydrology	Civil Engineering (CE)	○	
Air Pollution	Civil Engineering (CE)	○	
Air Pollution Control And Design	Civil Engineering (CE)	○	
Air Quality Management	Civil Engineering (CE)	○	
Aquatic Chemistry in Environmental Engineering	Civil Engineering (CE)	○	
Biological Principles Of Environmental Engineering	Civil Engineering (CE)	○	
Civil Engineering Profession and Practice	Civil Engineering (CE)	○	
Civil Engineering Projects	Civil Engineering (CE)	○	
Coastal Engineering	Civil Engineering (CE)	○	
Computational River Hydraulics	Civil Engineering (CE)	○	
Design Of Hydraulic Structures	Civil Engineering (CE)	○	
Engineering Environmental Sustainability	Civil Engineering (CE)		○
Environmental Engineering	Civil Engineering (CE)	○	
Environmental Geotechnology	Civil Engineering (CE)	○	
Hydraulics	Civil Engineering (CE)	○	
Hydrology	Civil Engineering (CE)	○	
Introductory Environmental Fluid Mechanics	Civil Engineering (CE)	○	
Open Channel Hydraulics	Civil Engineering (CE)	○	
Physico-Chemical Principles of Environmental Engineering	Civil Engineering (CE)	○	
Physico-Chemical Processes In Environmental Engineering	Civil Engineering (CE)	○	
Public Mass Transportation	Civil Engineering (CE)	○	
Sampling And Analysis Of Source And Atmospheric Air Contaminants	Civil Engineering (CE)	○	
Sediment Transport Engineering	Civil Engineering (CE)	○	
Subsurface Hydrology	Civil Engineering (CE)	○	
Urban Hydraulics	Civil Engineering (CE)	○	

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Water and Wastewater Treatment	Civil Engineering (CE)	○	
Water Quality Modeling	Civil Engineering (CE)	○	
Issues in Sustainability	Construction Engineering & Management Technology (CMET)		○
Green Construction	Construction Engineering & Management Technology (CMET)	○	
Applications of Environmental Geosciences	Earth & Atmospheric Science (EAS)	○	
Great Issues: Fossil Fuels, Energy, and Society	Earth & Atmospheric Science (EAS)	○	
Oil!	Earth & Atmospheric Science (EAS)	○	
Planet Earth	Earth & Atmospheric Science (EAS)	○	
Science of the Atmosphere	Earth & Atmospheric Science (EAS)	○	
Survey of Atmospheric Science	Earth & Atmospheric Science (EAS)	○	
Theory of Climate	Earth & Atmospheric Science (EAS)	○	
Contemporary Economic Problems	Economics (ECON)	○	
Environmental Education	Education Curriculum & Instruction (EDCI)	○	
Seminar in Environmental Education	Education Curriculum & Instruction (EDCI)	○	
Modern Energy Systems	Electrical and Computer Engineering Technology (ECET)	○	
Ecological Literature	English (ENGL)	○	
Conservation Biology I	Forestry & Natural Resources (FNR)	○	
Global Environmental Issues	Forestry & Natural Resources (FNR)		○
Human Dimensions of Natural Resource Management	Forestry & Natural Resources (FNR)		○
Natural Resources and Man	Forestry & Natural Resources (FNR)	○	
Natural Resources Planning	Forestry & Natural Resources (FNR)	○	
Timber Management	Forestry & Natural Resources (FNR)	○	
Great Issues in Science and Society	General Science (SCI)	○	
Analytical and Pathological Toxicology	Health Sciences (HSCI)	○	
Environmental Health Science	Health Sciences (HSCI)		○
Introduction to Occupational and Environmental Health Sciences	Health Sciences (HSCI)	○	

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Introduction to Public Health	Health Sciences (HSCI)	○	
Principles of Occupational, Environmental, and Radiological Health Sciences	Health Sciences (HSCI)		○
Toxicology (Environmental Toxicology)	Health Sciences (HSCI)		○
Environmental History of the United States	History (HIST)	○	
Fruit Production	Horticulture (HORT)	○	
Sustainability in the Managed Landscape	Horticulture (HORT)		○
Vegetable and Herb Production	Horticulture (HORT)	○	
Introduction to the Hospitality and Tourism Industry	Hospitality and Tourism Management (HTM)	○	
Integrated Production Systems II	Industrial Engineering (IE)	○	
Integration of Life Cycle Systems Engineering (now Computing in Industrial Engineering)	Industrial Engineering (IE)		○
Landscape Architectural Design IV	Landscape Architecture (LA)	○	
Preservation Issues	Landscape Architecture (LA)	○	
Sustainable Operations	Management		○
Automotive Prime Movers: Green Engines and Clean Fuel	Mechanical Engineering (ME)	○	
Combustion	Mechanical Engineering (ME)	○	
Design and Optimization of Thermal Systems	Mechanical Engineering (ME)	○	
Energy Systems Engineering	Mechanical Engineering (ME)	○	
Engineering of Environmental Systems and Equipment	Mechanical Engineering (ME)	○	
Fundamentals of Wind Energy	Mechanical Engineering (ME)	○	
Fundamentals of Wind Engineering	Mechanical Engineering (ME)	○	
Indoor Environment Analysis and Design	Mechanical Engineering (ME)	○	
Noise Control of Acoustic Waves	Mechanical Engineering (ME)	○	
Sustainable Design and Manufacturing	Mechanical Engineering (ME)		○
Sustainable Energy Sources and Systems	Mechanical Engineering (ME)		○
Air Conditioning and Refrigeration	Mechanical Engineering Technology (MET)	○	
Green Processes and Sustainability	Mechanical Engineering Technology (MET)		○

Course Title	Academic Department	Sustainability-Related	Sustainability-Focused
Organizational Environmental Quality	Mechanical Engineering Technology (MET)	○	
Power Plants and Energy Conversion	Mechanical Engineering Technology (MET)	○	
Environmental Decision Making	Natural Resources (NRES)	○	
Environmental Internship Reporting	Natural Resources (NRES)	○	
Research in Natural Resources and Environmental Science	Natural Resources (NRES)	○	
Design in Nuclear Engineering	Nuclear Engineering (NE)	○	
Engineering of Nuclear Power Systems	Nuclear Engineering (NE)	○	
Introduction to Energy Engineering	Nuclear Engineering (NE)	○	
Nuclear Fuel Systems	Nuclear Engineering (NE)	○	
Nuclear Structure and Radiation Interactions	Nuclear Engineering (NE)	○	
Radioactive Waste Management	Nuclear Engineering (NE)	○	
Environmental Ethics	Philosophy (PHIL)	○	
Global Moral Issues	Philosophy (PHIL)		○
Comparative Environmental Policy	Political Science (POL)	○	
Environmental Law and Politics	Political Science (POL)	○	
Environmental Politics and Public Policy	Political Science (POL)	○	
Global Green Politics	Political Science (POL)	○	
International Environmental Policy	Political Science (POL)	○	
Introduction to Environmental Policy	Political Science (POL)	○	
Research Seminar in Environmental Policy	Political Science (POL)	○	
Environmental Sociology	Sociology (SOC)	○	
Costa Rica: Sustaining Tropical Ecosystems	Study Abroad (SA)	○	
Sustainability of Civil Engineering in China	Study Abroad (SA)		○
Sustainable Energy Technologies: An International Perspective	Study Abroad (SA)	○	
Sustainable Village Ecuador	Study Abroad (SA)		○
Technology and the Global Society	Technology (TECH)	○	