Existing Courses (and solutions) on Sustainability in CE3SAR institutions

Texas A&M—University of Corpus Christi

- ESCI 4330 - Oil Spill Prevention and Response (3 hrs.)
- ESCI 5330 - Oil Spill Management (3 hrs.)
- CMSS 6372 - Environmental Sustainability Economics (3 hrs.)

Texas A&M University—Kingsville

Certificates in Sustainability (undergraduate) and Minor in Sustainability program are under developing and expected date is 2014. The courses will be offered at the following colleges:

- Dick and Mary Lewis Kleberg College of Agriculture, Natural Resources and Human Sciences
- College of Arts and Sciences
- College of Business Administration
- College of Education and Human Performance
- Frank H. Dotterweich College of Engineering

Texas A&M International University

- ENSC 1301 (ENVR 1301) Introduction to Environmental Systems
- ENSC 3401 Environmental Sciences
- ENSC 1101 (ENVR 1101) Introduction to Environmental Systems Laboratory

University of Texas-Brownsville

- ENVR 3334 Conservation of Natural Resources
- ENVR 1101 Introduction to Environmental Science Laboratory
- ENVR 1301 Introduction to Environmental Science

University of Texas-Pan American

- BIOL 2406 Environmental Biology [3-3]
- SCIE 4350 Local and Global Environmental Science [2-3]
Texas State University—San Marcos

Sustainability Program (graduate)

The student must complete courses from three Colleges and four Departments, for a total of 39 hours of coursework. Of the 39 hours, a maximum of 15 hours of coursework must be taken from a “home” department, and at least six hours of coursework from two other departments.

COLLEGE OF SCIENCE

BIOLOGY

- BIO 5304 Wildlife and Recreation: Impact and Management
- BIO 5347 Conservation Biology
- BIO 5361 Biology of Water Pollution
- BIO 5362 Environmental Impact Analysis
- BIO 5481 Internship in Biological Laboratory Technologies
- BIO 7103A Ecology and Society
- BIO 7310 Global Aquatic Resources
- BIO 7312 Government Policy and Aquatic Resources
- BIO 7348 Aquatic Resources Economics
- BIO 7350 Aquatic Resources Law
- BIO 7360B Environmental Linkages
- BIO 7360U Sustainability in a Changing World
- BIO 7412 Environmental Hydrology
- BIO 7366 Integrated Water Resources Management

COLLEGE OF LIBERAL ARTS

GEOGRAPHY

- GEO 5313 Environmental Management
- GEO 5314 Geographic Elements of Environmental Law
- GEO 5322 Interpretive Environmental Geography
- GEO 5334 Applied Water Resources
- GEO 5339 The Geography of Land Management
- GEO 5415 Geographic Applications of Remote Sensing
- GEO 5418 GIS I Geographic Information Systems I
- GEO 7314 Environmental Geography of Resource Development
- GEO 7305 Historical Geography of the American Environment
PHILOSOPHY

- PHIL 5323 Environmental Ethics
- PHIL 5303 Philosophy of Technology
- PHIL 5322 Professional Ethics
- PHIL 7323 Environmental Ethics and Sustainable Aquatic Resources
- PHIL 5388 Problems in Philosophy

POLITICAL SCIENCE

- POSI 5333 Ecology and the Politics of Scarcity
- POSI 7330 Environmental Policy, Politics, and Law
- POSI 7320 Research Practicum
- POSI 7310 Resolution of Disputes Involving Aquatic Resources

SOCIOLOGY

- SOCI 5368 Seminar in Environmental Sociology
- SOCI 5390 Seminar in Globalization and Development
- SOCI 5388C (Special Topics) Seminar in Food and Society

MCCOY COLLEGE OF BUSINESS ADMINISTRATION

- BLAW 5368B Law and Ethics in the Business Environment
- BLAW 5368C The Employment Relationship
- BLAW 5368H Legal Issues on Sustainability and Responsibility
- MGT 5312. Seminar in Management
- MGT 5335 New Venture Launch
- MGT 5315 New Venture Management
- MGT 5330 Seminar in Human Resource Management

COLLEGE OF FINE ARTS AND COMMUNICATION

COMMUNICATION DESIGN

- ARTC 5360E Sustainable Package Design

Texas A&M-College Station

Sustainable Urbanism Certificate
Sustainable Urbanism Certificate that consists of a series of courses that are open to students from any graduate program at Texas A&M University.

**Principles--History and Theory**

- PLAN 610: Structure and Function of Cities
- ARCH 624: Theory of Placemaking
- PLAN 689: Concepts in Ecological Design and Planning (Ndubisi)
- LDEV 667: Development Process
- CVEN 689: Sustainable Systems in Civil Engineering (Brumbelow)
- RPTS 626: Sociable Impacts of Tourism
- RPTS 646: Heritate Tourism
- COSC 663: Sustainable Construction

**Practices--Methods and Skills**

- ARCH 689/310: Site Planning and Design
- ARCH/PLAN 689: Design and Healthy Living (Zhu/Lee)
- ARCH 621: Sustainable Systems
- LDEV 671: Sustainable Development
- PLAN 642: Planning for Coastal Resilience
- LAND 612: Site Development
- PLAN 629: Neighborhood Revitalization
- LAND 689: Storm Water Management (Li)
- COSC 662: Housing Production
- CVEN 664: Water Resources Planning and Management

**Policies--Analysis and Evaluation**

- ARCH 646: Theory and Practice of Historic Preservation
- PLAN 669: Urban Infrastructure Planning
- PLAN 673: Design of Sustainable Transportation
- PLAN 641: Environmental Planning

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**Southwest Research Institute**

_Sustainability Solutions_

Southwest Research Institute does not offer courses on sustainability but provide sustainability solutions. Smart material and energy management saves money, helps the environment and is good for business. We offer a variety of solutions to meet your specific goals:
- ISO14001 Environmental Management
- ISO50001 Energy Management
- E3: Economy • Energy • Environment
- Energy Assessments
- Predominant Use Studies

**Sustainability Programs at Several Non-CE3SAR Institutions**

**Auburn University**

**Minor in Sustainability Studies:**
[http://www.auburn.edu/academic/provost/undergrad_studies/academic_sustainability/student_minor.html](http://www.auburn.edu/academic/provost/undergrad_studies/academic_sustainability/student_minor.html)

**New York University**

**Sustainability Center:**

**University of Idaho**

**Sustainability in the UI Curriculum:**
[http://www.uidaho.edu/cogs/envs/sustainability/sustainabilitycoursesatui](http://www.uidaho.edu/cogs/envs/sustainability/sustainabilitycoursesatui)

**University of California-anta Barbara:**

**Sustainability initiative:**

**The University of Vermont**

**Advanced Certificate in Campus Sustainable Innovation** 100% Online:
[http://lp.universityofvermontonline.com/all/prestige/cert-mas_vermontcampus_t08_1111.aspx](http://lp.universityofvermontonline.com/all/prestige/cert-mas_vermontcampus_t08_1111.aspx)

Three 8-weeks courses:
- Principles & strategies for campus sustainability;
- Sustainable Campus Operation;
- Campus Sustainability Best Practice & Implementation