APPROVED ELECTIVES FOR THE ENERGY & SUSTAINABILITY MINOR
(APRIL 2015)

These are approved electives for the minor. You can petition for other courses to count as electives. A note explaining why the course should count, with the inclusion if possible of a course outline, should accompany the petition.

ARCH 3367 Sustainable Architecture (prerequisite: junior standing)
ARCH 3368 Sustainable Development (prerequisite: junior standing)
ARCH 3397 Sustainability Workshop
ARCH 3397 Green Building
ARCH 3397 Landscape / Ecology / Urbanization
ARCH 4374 Urban Environments

BIOL 3359 Environmental Biology of Texas (Prerequisite: BIOL 1361 & 1362)
BIOL 4368 Ecology

CHEE 2332 (Chemical Engineering) Thermodynamics
CHEE 4361 Chemical Engineering Practices
CHEE 5368/5369 Process Economics
CHEE 5390 Energy and the Environment
CHNS (Chinese Studies) 3360 A Look at Modern China
CIVE 3331 Environmental Engineering
CIVE 4333 Waste and Water Treatment
CIVE 4337 Transportation Engineering

ECE 4363 Electromechanical Energy Conversion
ECE 5397 Special Topic: Renewable Energy Technology

ECON 3385 Economics of Energy (Prerequisite: ECON 2304 or 3332 or consent of instructor)

ELET 4394 Principle and Application of Fuel Cells
ENGL 3396 Selected Topics: Writing Eco - City: Focus Houston
ENRG 3310 Introduction to Energy & Sustainability
ENRG 4320 Case Studies in Energy & Sustainability (Capstone)
ENRG 4397 Selected Topics in Energy & Sustainability (may be repeated with different topics)
ENRG 4398 Independent Study in Energy & Sustainability (arrange with professor)

FINA 4370 Energy Trading Systems
FINA 4371 Energy Value Chain
FINA 4372 Upstream Economics
GEOL 1302 Introduction to Global Climate Change
GEOL 1102 Introduction to Climate Change (add lab)
GEOL 1350 /1110 (lab) Introduction to Meteorology
GEOL 3331 Environmental Geology
GEOL 3333 Earth Resources
GEOL 3342 Introduction to Air Pollution
GEOL 3378 Principles of Atmospheric Science
GEOL 4330 Biogeochemistry

HIST 3327 Houston Since 1836
HIST 3378 The Modern Middle East
HIST 3394 Energy in Modern America (Special Topics in U.S. History)
HIST 4318 Africa and the Oil Industry
HIST 4322 Environment in U. S. History
HIST 4386 Africa: 1945 to the Present

INDE 3333 Engineering Economy

INTB 3354 Introduction to Global Business (Hybrid)
INTB 3354 Global Environment of Business (Hybrid)
INTB 4390 / POLS 4396 Capstone Seminar in Globalization

PETR 1100 Introduction to Petroleum Engineering (1 hour)

POLS 3326 Government — Politics in the Middle East (Prerequisites POLS 1336, 1337)
POLS 4349 International Politics
POLS 4363 Science, Technology, and Public Policy

TECH 1325 Energy for Society
TECH 4310 Future of Energy and Environment

SCM 4302 Energy Supply Change Management (Cross listed as ENRG 4397 Special Topic: Overview of Oil & Gas Industry)