

Energy Studies (Minor only)

Administered by the Department of Physical Sciences within the College of Arts and Sciences. Understanding energy in all its forms and applications is vital to our nation's future. The Energy Studies minor offers students the opportunity to gain energy literacy—the informed understanding of energy sources, problems, and priorities in our nation and the world—by gaining energy-related knowledge from a variety of disciplines. Such knowledge is essential not only to those who will work in the energy industry but to all who will be future decision-makers on the energy questions confronting business and society.

Minor Requirements

The total semester credit hours required for a minor in Energy Studies is 18 hours, of which at least 9 hours must be at upper level. Students are encouraged to consider taking more than the minimum hours and to diversify their choices among disciplines. Courses may be selected from those listed below. Note that a number of the courses have prerequisites that must be completed before enrolling in them. Additional courses under development may also be approved for the Energy Studies minor.

Business courses

ACCT 4310: Oil and Gas Accounting
ECON 2301: Principles of Economics
ECON 2311: International Trade
ECON 4333: Business and Economic History
FINA 3320: Principles of Finance
MNGT 3309: Energy Management
MNGT 3370: Business and Society
MNGT 4310: Management of Hydrocarbon-based Energy Enterprises
MNGT 4324: Oil and Gas Law/Taxation

Science courses

CHEM 1301/1103: Chemistry in Context w/ lab
CHEM 1311/1111: General Chemistry I w/ lab
CHEM 1312/1112: General Chemistry II w/ lab
ENSC 1401: Environmental Science I
ENSC 1402: Environmental Science II
ENSC 3320: Environmental Law
ENSC 3404: Environmental Problems

ENSC 4310: Environmental Pollution and Control
ENSC 4350: Environmental Impact Analysis
GEOL 1301/1101: Physical Geology w/lab
GEOL 1302/1102: Historical Geology w/lab
GEOL 3308: Sedimentary Rocks
GEOL 4317: Geology of the Permian Basin

Technology courses

PTEC 3301: Petroleum Fundamentals
PTEC 4303: Petroleum Production Technology

Communication, History, and Social Science courses

COMM 3375: Political Communication
HIST 3348: US 1945 to the Present
HIST 4370: The American Petroleum Industry
PLSC 4341: Environmental Policy
PLSC 4345: Public Policy
SOCI 4316: Social Determinants of Energy Use