



SUSTAINABLE ENERGY
SYSTEMS PROGRAM
The UNIVERSITY of OKLAHOMA

SUSTAINABLE ENERGY SYSTEMS CERTIFICATE PROGRAM

A CAMPUS WIDE PROGRAM AVAILABLE TO ALL MAJORS –
UNDERGRADUATE AND GRADUATES!

The Sustainable Energy Systems program offers undergraduate and graduate certificates that can be added to any major to equip students with vital knowledge and skills needed to address complex and pressing challenges in a dynamic energy landscape. SES prepares you to bridge energy's past and future—because the real world needs graduates who understand both the technical and societal dimensions of our evolving energy landscape.



COURSE REQUIREMENTS

Both undergraduates and graduates require 15 credit hours. You may already be taking some of the elective courses!

UNDERGRADUATE TRACK:

- SES 2113: Fundamentals of Earth Systems, Energy & Sustainability
- SES 2123: Energy in Society: A Systems Perspective on Energy Transitions
- Select 3 electives from approved course list

GRADUATE TRACK:

- SES 5113: Evaluation of Energy Systems
- SES 5121: Seminar in Sustainable Energy Systems (3 semesters)
- Select 3 electives from approved course list



SKILLS YOU'LL DEVELOP

- Energy Systems Analysis
- Carbon Cycle & Climate Science
- Renewable Energy Technologies
- Policy Analysis & Evaluation
- Energy Economics & Markets
- Sustainable Systems Design
- Environmental Impact Assessment
- Data Analysis & Modeling
- Systems Thinking & Integration
- Professional Communication
- Interdisciplinary Collaboration
- Research Methods



CAREER OPPORTUNITIES

- Energy Analyst
- Sustainability Consultant
- Environmental Policy Advisor
- Clean Energy Sales Manager
- Corporate Sustainability
- Energy Project Coordinator
- Climate Communications Specialist
- Environmental Compliance Manager
- Renewable Energy Finance Analyst
- Energy Efficiency Auditor
- Sustainability Program Manager



WHY SUSTAINABLE ENERGY SYSTEMS?

- **HIGH-DEMAND FIELD:** Clean energy is the fastest-growing job sector
- **EXCELLENT SALARY POTENTIAL:** Energy professionals earn competitive wages
- **MULTIDISCIPLINARY:** Combine your major with energy expertise
- **FUTURE-PROOF CAREER:** Essential skills for the energy transition
- **HANDS-ON EXPERIENCE:** Real-world projects and industry connections
- **SCHOLARSHIP OPPORTUNITIES:** Financial support available for qualified students



SCAN TO LEARN MORE

CONTACT US

 ou.edu/mcee/ses

 ses@ou.edu