

Certificate in Sustainable Energy

Admission

This certificate program is designed to provide students with a foundation in energy and sustainability and related issues such as renewable power generation, conservation of energy and related resources, energy efficiency, the electric grid, carbon intensity/footprint, life cycle assessment, and energy economics.

Students must be admitted to the Graduate School via one of the programs offered by the College of Engineering or Fairmount College of Liberal Arts and Sciences.

Program Requirements

In order to earn this certificate, students must complete one core course with a minimum grade point 3.000 and any three elective courses chosen from the list below with an average GPA of 3.000.

| Course | Title | Hours |
|-----------------------------------------|----------------------------------------------|-----------|
| Required Course | | |
| ME/PHYS 702 | Energy and Sustainability | 3 |
| Elective Courses | | |
| Select three courses from the following | | 9 |
| ME 602 | Engineering for the Environment | |
| ME 740 | Indoor Air Pollution and Simulation | |
| ME 750AJ | Transport in Porous Media | |
| ME 803 | Solar Energy Materials | |
| ME 835 | Modeling and Optimization of Building Energy | |
| ME 845 | Renewable Energy | |
| ME 854 | Two-Phase Flow Heat Transfer | |
| Total Credit Hours | | 12 |

In addition to these requirements, students must meet the Graduate School's requirements (<http://catalog.wichita.edu/graduate/academic-information/types-programs-courses/certificates-graduate-programs/>) in order to earn this certificate.