

Sustainable Energy (SERG)

Sustainable Energy (SERG) Courses

SERG 5001 [0.5 credit]

Sustainable Energy Policy for Engineers

This course introduces engineering students to the policy world by examining political and policy institutions, and covering basic principles of policy analysis, as they relate to the energy realm.

SERG 5002 [0.5 credit]

Sustainable Energy Engineering for Policy Students

This course introduces policy students to fundamental principles of engineering, particularly as they relate to energy production, transformation and consumption.

SERG 5003 [0.5 credit]

Energy Evaluation and Assessment Tools

Introduction to principles and tools for financial and performance analysis of energy projects, systems and technologies, and their application. Topics may include: probability theory, regression analysis, cost-benefit analysis, life cycle analysis, carbon accounting and emissions modeling, and other techniques particular to the energy field.

SERG 5004 [1.0 credit]

Applied Interdisciplinary Project

Application of assessment tools, energy evaluation methods, engineering, economics and policy studies to actual sustainable energy projects.

Includes: Experiential Learning Activity

Precludes additional credit for SERG 5000 (no longer offered).

Prerequisite(s): SERG 5003 and one of SERG 5001 or SERG 5002.

SERG 5005 [0.5 credit]

Applied Interdisciplinary Project

Application of assessment tools, energy evaluation methods, engineering, economics and policy studies to actual sustainable energy projects.

Includes: Experiential Learning Activity

Precludes additional credit for SERG 5004.

Prerequisite(s): SERG 5003 and one of SERG 5001 or SERG 5002.

SERG 5800 [0.0 credit]

Sustainable Energy Seminar

A series of seminars presented by researchers and practitioners in the area of sustainable energy. To complete this course, a student must attend at least ten seminars during their program.

SERG 5906 [0.5 credit]

Directed Studies in Sustainable Energy

A directed course on selected subjects related to sustainable energy as approved by a course supervisor.

SERG 5909 [2.0 credits]

MA Sustainable Energy Thesis

Includes: Experiential Learning Activity

SERG 5913 [0.0 credit]

Co-operative Work term

Includes: Experiential Learning Activity