ENGR 3345 : Electrochemical Energy Systems

This course studies the fundamentals of electrochemical energy storage and materials. It covers basic principles and mathematical models of electrochemistry, thermodynamics, kinetics, photoelectrochemistry devices, and energy storage. The main focus of this course is to give the students a solid understanding of the application of these principles in the emerging technologies like lithium-ion batteries, fuel-cells, super-capacitors and solar cells.

Credits 3

Course ID

009425

Requisites

ENGR 3345 Prerequisites: PHYS 2333, 2334

Semester Offered

Offered as needed