

BSREE Schedule of Course Offerings

Renewable Energy Engineering, Portland



2011-2012 Schedule of course offerings for the Portland Renewable Energy Engineering program (Showing *only* OIT energy engineering-related courses)

Sophomore Level Courses

Fall 2011

EE 221 Circuits I (3)
EE 225 Circuits III
ENGR 211 Statics (2)
REE 201 Intro. to Renewable Energy

Winter 2012

EE 223 Circuits II (3)
ENGR 267 Programming
REE 201 Intro. to Renewable Energy

Spring 2012

EE 225 Circuits III
REE 201 Intro. to Renewable Energy
REE 243 Electrical Power (2)
REE 253 Electromechanical Energy Conv.
CHE 260 Electrochemistry (2)

Summer 2012

EE 225 Circuits III
ENGR 211 Statics
REE 243 Electrical Power
REE 253 Electromechanical Energy Conv. (2)
CHE 260 Electrochemistry

Junior Level Courses

Fall 2011

EE 343 Solid-State Electronic Devices
EE 321 Electronics I (2)
ENGR 355 Thermodynamics (3)
REE 307 Materials for RE (2)
REE 331 Fuel Cells
HIST 356 History of Energy
REE 348 Solar Thermal Energy Systems

Winter 2012

ECO 357 Energy Economics & Policy
HIST 356 History of Energy
HIST 357 History of Electric Grid
MECH 318 Fluid Mechanics (3)
REE 307 Ocean Renewable Energy
REE 333 Batteries
REE 346 Biofuels and Biomass

Spring 2012

MECH 323 Heat Transfer (3)
REE 335 Hydrogen
REE 339 Senior Project I (2)
REE 345 Wind Power
REE 347 Hydroelectric Power

Summer 2012

EE 321 Electronics I
REE 344 Nuclear Energy

Senior Level Courses

Fall 2011

ENGR 465 Senior Project (2)
MECH 433 HVAC
REE 407 Advanced Hydropower
REE 407 Prod. & Chem of Biomass Resources
REE 451 Geothermal & G-S Heat Pumps
REE 453 Power Systems Analysis
REE 463 Energy Systems Instrumentation (2)

Winter 2012

EE 419 Power Electronics
EE 456 Control System Design (2)
ENGR 465 Senior Project (6)
REE 407 Utilization Strategies – Biomass
REE 407 Energy Policy and Regulation
REE 412 Photovoltaic Systems (2)
REE 439 Energy Management & Auditing
REE 454 Power Systems Prot. & Control

Spring 2012

EE 419 Power Electronics
ENGR 465 Senior Project (6)
REE 407 Power III
REE 407 Process Design – Biomass
REE 407 Energy Markets & Models
REE 407 RE Project Development
REE 413 Elect Power Conv. Sys
REE/ENV 427 Greenhouse Gas Accounting
REE 455 Energy Efficient Building Design

Summer 2012

ENGR 465 Senior Project (5)
REE 413 Elect Power Conv. Sys.

This plan is subject to change for various reasons, e.g., courses may be cancelled due to lack of enrollment. Senior sequences are in colored text.