Energy Systems Engineering – Non MECOP
Professional Program located at OSU Cascades Campus

Fall
- NR/SUS 350 Sustainable Communities (CGI Synthesis, 4cr, F)
- ME 311 Intro. Thermal Fluid Sciences (4cr, W)
- ESE 355 Energy Regulation (4cr, W)
- MTH 256
- ST 314
- IE 425 Industrial Systems Optimization (4cr, F)
- BA 215 or BA 217

Winter
- ME 312 Thermodynamics (4cr, W)
- ESE 360 Energy Consumption Analysis (4cr, Sp)
- COMM 111
- MTH 256
- ST 314
- EE 470 Energy Distribution Systems (4cr, F)
- BA 352 Managing Individual & Team Perf. (4cr, Sp)

Spring
- BA 357 Operations Management (4cr, W)
- MTH 256, ENGR 212
- MTH 256, ENGR 212
- ESE 331 Intro. Fluid Mechanics (4cr, F)
- ME 332 Heat Transfer (4cr, W)
- *Restricted Elective (3 or 4 cr, F, W, Sp, Su)

Fall
- ESE 470 Energy Distribution Systems (4cr, F)
- ESE 331 Intro. Fluid Mechanics (4cr, F)
- ESE 450 Energy Generation Systems (4cr, F)
- BACC CORE Elective

Winter
- ESE 497 Capstone Design (4cr, F)
- ESE 360 Energy Consumption Analysis (4cr, Sp)
- BA 364 Project Management (4cr, W)
- BACC CORE Elective

Spring
- ESE 498 Capstone Design (4cr, F)
- ESE 471 Energy Storage Systems (4cr, W)
- BACC CORE Elective

Access to shaded courses requires entrance to the ESE professional program.

Courses listed in red as being available during a term, may or may not actually be offered.

Restricted Elective courses are taken to complete OSU’s baccalaureate core curriculum (http://catalog.oregonstate.edu/bcc.aspx) and need only be taken sometime before graduation. For ESE majors, the seven Bacc Core Elective courses consist of one course each in the areas of western culture (WC), cultural diversity (CD), literature and the arts (LA), biological science (BIO), difference, power and discrimination (DPD), contemporary global issues (CGI), and science, technology and society (STS).