

2011-13 Cal Poly Catalog**College of Agriculture, Food and Environmental Sciences****LAND REHABILITATION MINOR**

Natural Resources Management & Environmental
Resources Department
Bldg. 11, Room 217, 805 756-2702

Coordinator: Lynn E. Moody

Students completing the minor gain skills in recognizing, assessing, and treating disturbed lands for numerous purposes, including erosion and sediment control, water quality improvement, habitat restoration, and aesthetic enhancement. They develop proficiency in plant identification and selection, soil properties and processes, and ecological principles, and also learn to set criteria and judge the feasibility, prudence, efficiency, and effectiveness of rehabilitation efforts.

Before being admitted to the minor, students must have successfully completed the following courses:

BOT 121 or BIO 114, SS 121, MATH 118

At least one-half of the units must be at the 300-400 level. Generally, courses required for the student's major degree cannot be counted toward the minor, except that courses selected in the required core may count in both the major and minor programs. This and other course exceptions must be approved by the minor coordinator. As a guideline, students should take at least 20 units from outside their major degree program.

Each student is required to complete a hands-on rehabilitation or restoration field project that provides practical experience in recognizing, assessing, and treating a landscape disturbance. Before beginning the treatment phase, the student must prepare a written plan that includes a problem assessment, treatment design, anticipated outcome, and budget. This plan must be approved by the faculty advisor and the minor coordinator before land treatment begins. Project may be carried out individually or in small groups. Contact the minor coordinator for more details.

Required core courses (Minimum of 14 units)..... 14

Plant area (select one course):

BOT 238, 433; EHS 381

Soils area (select one course):

SS 321 Soil Morphology (4) *or*

SS 440 Forest and Range Soils (4)

Ecological Principles (select one course):

BOT 326; NR 306; AG 360

Project (select one course)

May be selected from Special Problems, Selected Advanced Topics, Senior Project or other course approved by the minor coordinator.

Approved electives 12

Select 4 courses from the following list:

ASCI 329; BOT 313, 324;

BRAE 340, PPSC 321, 327;

EHS 382; NR/LA 318; GEOG 318;

NR 307, 320, 408; HCS 124;

MCRO 436; ERSC 202; SS 221

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