

Plant Protection Technician (Office of Personnel Management GS-5 Grade)

No elective units required beyond requirements for degree option.

This curriculum prepares students to perform a variety of activities including detection, inventory, mapping and control of invasive, weedy, and poisonous plant species. The general course requirements are met with your EMRR degree, but be aware that some additional courses/skills will be listed in a specific position announcement. Therefore, you should select technical elective course that best match your professional interests. For more information on job duties see

<https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/0400/range-technician-series-0455/>.

Education requirements include a full 4-year course of study leading to a bachelor's degree and 16 hours of course work in subjects such as biology, plant pathology, entomology, zoology, botany, forestry, chemistry, agriculture, or physics.

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Course Number and Units	Course Name and Semester Offered	Required for Degree	Use Elective Units
Biology and Botany related courses. (11 units)			
MCB 181R (3 units)	Molecular and Cellular Biology (Fall, Spring and Summer)	Required	
MCB 181L (1 unit)	Molecular and Cellular Biology Lab (Fall, Spring and Summer)	Required	
ECOL 182R (3 units)	Intro Organismal and Ecological Biology (Fall and Spring)	Required	
ECOL 181L (1 unit)	Intro Organismal and Ecological Biology Lab (Fall and Spring)	Required	
RNR 230 R (2 units)	Field Botany Lecture (Fall, Spring and Summer)	Required	
RNR 230 L (1 unit)	Field Botany Lab (Fall)	Required	
Agriculture related courses (16 units)			
RNR 316 (3 units)	Natural Resources Ecology	Required	
RAM 382 (3 units)	Rangeland Plant Communities (Spring)	Required	
RAM 436 (2 units)	Grazing Ecology and Management (Fall)	Required	
RAM 456a (4 units)	Rangeland Inventory and Monitoring (Fall)	Required	
RAM 446 (4 units)	Restoration and Mgmt of Wildland Vegetation (Spring)	Required	
Chemistry, Math and Physical Science related courses (12 units)			
CHEM 151R (3 units)	General Chemistry I lecture	Required	
CHEM 151L (1 unit)	General Chemistry I lab	Required	
CHEM 152R (3 units)	General Chemistry II lecture	Required	
CHEM 152L (1 unit)	General Chemistry II lab	Required	
ENVS 200 (3 units)	Introduction to Soil Science	Required	
ENVS 201 (1 unit)	Introduction to Soil Science Lab	Required	