

Plant and Soil Science, M.S.

Thesis Option

The 30 credit hour requirement is met through major core, major research, and major elective courses. A minimum of 18 credit hours in graduate level PLSS courses in Department of Agriculture, Agribusiness and Environmental Sciences, and three (3) hours of quantitative analysis statistics based course is required toward PLSS Master of Science degree. Additionally, free elective courses may count toward the 30 credit hour requirement; PLSS 5399 - Thesis Topics course is optional and only three (3) credit hours permitted towards degree plan.

Code	Title	Semester Credit Hours
Core Requirements		
PLSS 5360	Exper. Designs & Data Analysis ¹	3
Thesis Requirement		
PLSS 5306	Thesis	3
PLSS 5306	Thesis	3
Approved Electives		15
Select 15 hours from the following:		
PLSS 5337	Prac App Plant Biotechnology	
PLSS 5350	Pesticides and the Environment	
PLSS 5351	Advanced Plant Propagation	
PLSS 5352	Advanced Plant Physiology	
PLSS 5353	Advanced Plant Pathology	
PLSS 5390	Special Topics Plant Soil Sci	
PLSS 5395	Adv Prob in Plant Science	
PLSS 5399	Thesis Topics ²	
Free Electives		12
Select 12 hours of graduate-level coursework in BIOL, GEOG/GIS, ANSC, RWSC, PLSS, ENVS, or RAMT.		
Total Semester Credit Hours		36

¹ Students may substitute this quantitative analysis course with any 5000-level or 6000-level quantitative analysis course.

² Only three credit hours of PLSS 5399 will be counted toward the degree total.

Research Project Option

The 36 credit hour requirement is met through major core, major research, and major elective courses. A minimum of 24 credit hours in graduate level plant and soil science courses in Department of Agriculture, Agribusiness, and Environmental Sciences, and three (3) hours of quantitative analysis statistics based course is required toward PLSS Master of Science degree. Additionally, free elective courses may count toward the 36 credit hour requirement.

Code	Title	Semester Credit Hours
Core Requirements		
PLSS 5360	Exper. Designs & Data Analysis ¹	3
Research Project Requirement		
PLSS 5360	Exper. Designs & Data Analysis	3
Approved Electives		18
Select 18 hours from the following:		
PLSS 5337	Prac App Plant Biotechnology	
PLSS 5350	Pesticides and the Environment	
PLSS 5351	Advanced Plant Propagation	

PLSS 5352	Advanced Plant Physiology
PLSS 5353	Advanced Plant Pathology
PLSS 5390	Special Topics Plant Soil Sci
PLSS 5395	Adv Prob in Plant Science

Free Electives **12**

Select 12 hours of graduate-level coursework in BIOL, GEOG/GIS, ANSC, RWSC, PLSS, ENVS, or RAMT.

Total Semester Credit Hours **36**

¹ Students may substitute this quantitative analysis course with any 5000-level or 6000-level quantitative analysis course.

Course Only Option

The 36 credit hour requirement is met through major core, major research, and major elective courses. A minimum of 24 credit hours in graduate level PLSS courses in Department of Agriculture, Agribusiness and Environmental Sciences is required toward PLSS Master of Science degree. Additionally, free elective courses may count toward the 36 credit hour requirement.

Code	Title	Semester Credit Hours
Approved Electives		24
Select 24 hours from the following:		
PLSS 5337	Prac App Plant Biotechnology	
PLSS 5350	Pesticides and the Environment	
PLSS 5351	Advanced Plant Propagation	
PLSS 5352	Advanced Plant Physiology	
PLSS 5353	Advanced Plant Pathology	
PLSS 5390	Special Topics Plant Soil Sci	
PLSS 5395	Adv Prob in Plant Science	
Free Electives		12
Select 12 hours of graduate-level coursework in BIOL, GEOG/GIS, ANSC, RWSC, PLSS, ENVS, or RAMT.		
Total Semester Credit Hours		36