

**Plant Pathology, Physiology and Weed Science
Minor in Plant Health Sciences
Check Sheet
College of Agriculture and Life Sciences
For Students Graduating in Calendar Year 2019**

Course No.	Title	Credits/Grade
	Choose 1 from the following entry level courses	
ALS/BIOL 2404	Biotechnology in a Global Society*	(3C) _____
BIOL 2204	Plants and Civilization*	(3C) _____
HORT 2234	Environmental Factors in Horticulture	(3C) _____
PPWS 2004	Mysterious Mushrooms, Malicious Molds	(3C) _____
PPWS 2104	Plants, Genes and People*	(3C) _____
FOR 2114	Ecology of Appalachian Forests	(3C) _____
	Required core courses (11 cr)	
PPWS 3504	Plant Physiology and the Biotic Environment*+ <u>OR</u>	(3C) _____
CSES 4344	Crop Physiology and Ecology* +	
PPWS 3514	Plant Physiology Lab (Pre or Co: PPWS 3504 or CSES 4344)	(1C) _____
PPWS 3754	Weeds that Shape our World*	(3C) _____
PPWS 4104	Plant Pathology*	(4C) _____
	Choose 1 from the following plant /plant pest courses	
PPWS 4604	Biological Invasions*	(3C) _____
PPWS/ENT 4264	Pesticide Usage* (Pre: CHEM 2514 or 2536)	(3C) _____
BIOL 3204	Plant Taxonomy*	(3C) _____
CSES 4144	Plant Breeding and Genetics	(3C) _____
ENT 4254	Insect Pest Management*	(3C) _____
	Choose 1 elective course below or additional plant/ plant pest course from list above	
BIOL/HORT 2304	Plant Biology*	(3C) _____
CSES/ENSC 3114/GEOS 3614	Soils+ (Co: CSES 3124)	(3C) _____
CSES 4354	Adv. Agronomic Crops	(3C) _____
ENSC/CSES/BIOL 4164	Environmental Microbiology* (Pre: BIOL 2604)	(3C) _____
ENT/BIOL 3014	Insect Biology*	(2C) _____
ENT/BIOL 3024	Insect Biology Laboratory* (Co: ENT 3014)	(2C) _____
FOR 4514	Forest & Tree Pest Manag.* (Pre: HORT 3325 or 3326 or FOR 3324)	(3C) _____
PPWS 4114	Microbial Forensics and Biosecurity* (Pre: BIOL 2604, (BIOL 2004 or 2104))	(3C) _____
PPWS 5054	Plant Pathogenic Agents*	(3C) _____
Total Credits		
Minimum credits required for Plant Health Sciences Minor = 19		
A 2.0 GPA across all courses taken in the minor is required for graduation		
*General biology pre-requisites required;		
+Chemistry prerequisites required; additional pre-requisites in parentheses		