Doctor of Philosophy Degree Program Requirements

Ph.D. - Entomology

Required courses:
- ENTO 5464  4 hours: Insect Biology and Classification (Not required if ENTO 4464 previously completed)
- ENTO 5003  3 hours: Insect Biochemistry
- ENTO 5044  4 hours: Insect Physiology (Not required if ENTO 3044 previously completed)
- ENTO 5870  2 hours: Scientific Presentations (both fall and spring semesters – 1 credit hour each). Optional if two semesters of ENTO 5870 were previously completed during an OSU ENTO-PLP master's degree program.

Recommended course:
- ENTO 5992  2 hours: Career Skills and Professionalism

Plus additional courses to complete the graduate program POS.

Ph.D. - Plant Pathology

Required courses:
Introductory – one is required if not previously taken
- PLP 3343  3 hours: Principles of Plant Pathology (Introductory; no graduate credit)
- PLP 5343  3 hours: Principles of Plant Pathology

Pathogens courses:
- PLP 5104  4 hours: Mycology
- PLP 5724  4 hours: Physiology of Host-Pathogen Interactions

Additional Pathogen courses – 2 required:
- PLP 5003  3 hours: Plant Nematology
- PLP 5012 / 5013  5 hours: Plant Virology Lab (2 hours) / and Lecture (3 hours)*
- PLP 5304  4 hours: Phytophthora
*Plant Pathology majors must take both lab and lecture (counts as one core course). Non-PLP majors may take PLP 5012 lab only, or PLP 5013 lecture only, or both lab and lecture.

Concepts courses – 2 required (at least one course marked with ** must be completed)
- PLP 5524**  4 hours: Integrated Management of Insect Pests and Pathogens
- PLP 5613**  3 hours: Host Plant Resistance
- PLP 6303  3 hours: Soilborne Diseases of Plants

Professionalism:
- PLP 5870  2 hours: Scientific Presentations (both fall and spring semesters – 1 credit hour each). Optional if two semesters of PLP 5870 were previously completed during an OSU ENTO-PLP master's degree program.

Recommended course:
- PLP 5992  2 hours: Career Skills and Professionalism for Scientists

Plus additional courses to complete the graduate program and POS.