

The Plant Pathology Minor is designed to provide essential knowledge and training for careers that involve plant health and plant diseases important to agronomic crops, landscape/nursery plants, turfgrass, and forestry. The minor is well suited for students interested in the plant sciences, forestry, and insect pest management, although it is open to all students interested in plants, mycology, biology, and microbiology. The Plant Pathology Minor is also valuable for students interested in the biology of plant disease and plant-microbe interactions.

Students pursuing the Plant Pathology Minor are required to take PLNTPTH 3001 and 3002 – General Plant Pathology Lecture and Laboratory– to develop a foundational understanding of plant pathology. PLNTPTH 3001/3002 has a prerequisite of a general biology course. In addition to PLNTPTH 3001/3002 and PLNTPTH 5603 - Plant Disease Management, students must at least one course that addresses plant pathology with field, crop or production system applications (list below). Additional courses in plant pathology, microbiology, soil science and plant physiology are available as electives.

The Plant Pathology Minor consists of 12 credit hours selected as follows.

<b>Required:</b>			<b>Credit Hours</b>
PLNTPTH	3001	General Plant Pathology Lecture	3
PLNTPTH	3002	General Plant Pathology Lab	2
PLNTPTH	5603	Plant Disease Management	3

**Select one of the following courses (2-4 credit hours):**

PLNTPTH	3333	Field and Woodland Fungi	2
PLNTPTH	5005	Beneficial Plant-associated Microbiomes and Plant Pathology Research	2
PLNTPTH	5040 and 5041	Science of Fungi: Mycology Lecture and Lab	4
PLNTPTH	5010	Phylobacteriology	2
PLNTPTH	5020	Introductory Plant Virology	2
PLNTPTH	5030	Plant Nematology	2
PLNTPTH	5110	Ecology and Management of Pathogens and Insects Affecting Trees in Forest and Urban Environments	3
PLNTPTH	5120	Diseases of Ornamental Plants	2
PLNTPTH	5130	Turf Diseases and Integrated Turf Health Management	4
PLNTPTH	5140	Diseases of Field Crops	2
PLNTPTH	5150	Fruit and Vegetable Diseases	2

**Electives (Select enough hours to bring total in minor to 12 credit hours):**

ENR	5270	Soil Fertility	3
ENTMLGY	4000	General Entomology Lecture	3
MICRBIO 4000.01 or 4000.02		Basic and Practical Microbiology	4
MICRBIO 4100		General Microbiology	5
MOLGEN	3436	Introductory Plant Physiology	3
PLNTPTH	2001	Sick Plants and a Hungry World	2
PLNTPTH	4321	Managing Biological Invasions for Forest Sustainability	3
PLNTPTH	5010	Phylobacteriology ( <i>If not taken above</i> )	2
PLNTPTH	5020	Virology ( <i>If not taken above</i> )	2
PLNTPTH	5030	Nematology ( <i>If not taken above</i> )	2
PLNTPTH	5040 and 5041	Science of Fungi: Mycology Lecture and Lab ( <i>If not taken above</i> )	4
PLNTPTH	5050	Plant Pathogenic Fungi	3
PLNTPTH	5110	Ecology and Management of Pathogens and Insects Affecting Trees in Forest and Urban Environments ( <i>If not taken above</i> )	3
PLNTPTH	5120	Diseases of Ornamental Plants ( <i>If not taken above</i> )	3
PLNTPTH	5130	Turf Diseases and Integrated Turf Health Management ( <i>If not taken above</i> )	4
PLNTPTH	5140	Diseases of Field Crop ( <i>If not taken above</i> )	2
PLNTPTH	5150	Fruit and Vegetable Diseases ( <i>If not taken above</i> )	2
PLNTPTH	5685	Plant Disease Diagnosis	2
Study Abroad		Study at a Foreign Institution	varies

*A minimum of 12 credit hours are required for the Plant Pathology Minor. Plant Pathology classes taken to fulfill major requirements cannot be used towards a minor. In the case that 3001 and/or 3002 are taken in a major, a student should select at least 12 credit hours from the list above, excluding 3001 and 3002.*

**TOTAL credit hours for the Plant Pathology Minor**

**12**

**Restrictions and General Information**

1. This minor is not available to students majoring in Plant Pathology or Plant Health Management.
2. A minor should be declared by the time a student accumulates 60 hours.
3. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.

4. A student is permitted to overlap up to 6 credit hours between the GE and the minor.
5. The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e. if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with the major or with another minor).
6. The minor must include at least 6 hours of upper-level or upper-division course work (3000 or above).
7. Course work graded Pass/Non-Pass cannot count in the minor, and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor.
8. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.