Members of the Department of Plant Pathology and Microbiology direct the Master of Science and Doctor of Philosophy degrees in plant pathology, plant-microbiology, plant-microbial genetics and physiology. Students interact with dynamic faculty members to perform cutting edge research on all aspects of plant health and plant disease, including on the molecular basis of pathogenicity and the microbial and plant factors that affect virulence. Students perform their research on and off campus as required.

A competent command of the English language is required. For complete information on the options available, prospective students should contact the Department of Plant Pathology and Microbiology.

The Department offers a Master of Science and Doctorate in Plant Pathology and Microbiology.

**Plant Pathology**

Plant pathology is the science of plant diseases, their nature, causal agents and interrelated phenomena. The major objectives concern the scientific training of professional phytopathologists. Emphasis is placed on the fundamental and practical concepts associated with plant health and disease and pathology and the conceptual schemes of fungal, bacterial, viral, nematological, mycoplasmal and physiogenic diseases. In addition, facilities are available for research in most phases including physiology of parasitism, host-parasite relationships, genetics of host resistance, genetics of pathogen variation and variability, genetics of host-pathogen-hyperparasite populations, ecology of soil-borne pathogens, etiology and epidemiology of plant diseases, nematology, virology, phytotherapeutics and clinical phytopathology.

**Faculty**

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Plant Pathology & Microbiology
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Plant Pathology & Microbiology
PHD, Duke University, 2010

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PHD, University of Hawaii, 1986

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PHD, Purdue University, 1988

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PHD, University of Nebraska - Lincoln, 1978

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PHD, University of California, Davis, 1976

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PHD, University of North Texas, 2012

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PHD, North Carolina State University, 1983

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PHD, Iowa State University, 1998

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PHD, Cornell University, 1969

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PHD, Washington State University, 1986

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PHD, University of Kentucky, 1990

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PHD, Kansas State University, 2003

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PHD, Cornell University, 2000

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PHD, Purdue University, 2000

Wilkinson, Heather H, Professor
Plant Pathology & Microbiology
PHD, Binghamton University, 1996

Yuan, Shuhua, Professor
Plant Pathology & Microbiology
PHD, University of Tennessee, 2007

**Masters**

- Master of Science in Plant Pathology (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/plant-pathology-microbiology/ms)

**Doctoral**

- Doctor of Philosophy in Plant Pathology (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/plant-pathology-microbiology/phd)