

PLANT PATHOLOGY, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Description

The Plant Pathology minor is designed for students who wish to learn more about the causes and control of plant diseases. These students may pursue careers in commercial crop production, industrial sales, private consulting, extension, or research. Increasing emphasis on biological control, integrated pest management, and sustainable agricultural practices requires knowledge of plant pathogen biology, host-parasite interactions, and environmental parameters influencing disease development. The Plant Pathology Minor focuses on these areas and gives students the background necessary to develop or utilize environmentally sound disease management strategies. This program is designed to supplement majors in any field of the biological sciences and also can be used to prepare students for graduate studies in Plant Pathology.

What is Plant Pathology?

Plant Pathology involves the study of all the biotic and abiotic causes of plant diseases, including pathogen biology and evolution; understanding infection processes, mechanisms of disease, and host resistance; and identifying environmental and nutritional factors influencing plant health. Results of this research are applied to developing management strategies to ensure adequate food and fiber production and to better understand and stabilize natural ecosystems to maintain a healthy and sustainable environment.

You Might Like This Program If...

You are interested in agriculture and international agriculture, food security, growing plants, environmental sustainability, disease management, forestry, environmental microbiology, and beneficial or pathogenic microbes.