

Department of Entomology and Plant Pathology

Entomology

Undergraduate instruction in entomology provides introductory and advanced courses in the basic science of entomology and the management of beneficial and pest insects. Courses at the 200- and 400-level fulfill General Education Requirements in Natural Sciences or Science and Technology and serve students majoring in biological sciences, agronomy, horticultural science, agricultural education, crop science, forestry and plant biology. They also provide fundamental training for graduate study in entomology (see the Graduate Catalog (<http://catalog.ncsu.edu/graduate/>)).

Opportunities

For graduates with advanced degrees in entomology, opportunities include research, teaching, and extension positions in colleges and universities; research, development, production, control, and sales positions in private industries; consultative positions in pest management; research and regulatory positions with state and federal agencies; and curatorial positions in museums.

Curricula

There is no undergraduate major in entomology. Those students with a primary interest in entomology are advised to choose a general biological science curricula and minor in entomology.

Plant Pathology

Plant Pathology is a diverse discipline that provides fundamentally important information to many of the undergraduate degree programs offered in CALS at NC State. Undergraduate instruction in plant pathology provides introductory and advanced courses on the biology of plant pathogens and the nature and control of plant diseases to students majoring in crop science, horticultural science, the life sciences, and forestry. It also provides the fundamental training necessary for graduate study in plant pathology and related fields.

Kelman Scholars

Thanks to the generosity of Dr. Arthur and Mrs. Helen Kelman, family and friends, the department offers the S.E. Kelman Memorial Scholarship to one or more outstanding undergraduates enrolled at NC State or other universities. This competitive program allows selected applicants to gain research experiences as interns working under the supervision of a faculty member in the Department of Plant Pathology. For details about this scholarship program, please see scholarship's information page (<https://plantpath.cals.ncsu.edu/undergraduate-studies/summer-research/>).

Opportunities

As a graduate department, our graduates, with advanced degrees in plant pathology, are competitive for employment in many areas. Employment opportunities at the M.S. and Ph.D. levels include research, extension, teaching and regulatory sciences with universities and colleges, the U.S. Department of Agriculture, including APHIS and

CPHIST, a wide array of agriculturally related industry, and private consulting. The rapid development of biotechnology, regulatory sciences, agricultural chemicals and biocontrol offers numerous opportunities for exciting and rewarding careers that service societal needs and advance our sciences.

Curricula

There is no undergraduate major or minor in plant pathology. We co-direct with the Department of Entomology a certificate in Plant Pests, Pathogens, and People (<https://oucc.dasa.ncsu.edu/plant-pests-pathogens-and-people/>), which offers a course of study in the biology, ecology, economic significance, and management of plant diseases and insects. This program may be completed on-campus or totally online.

For more information about this department, including contact information, visit the department (<http://www.cals.ncsu.edu/entomology/>) website.

Faculty

Department Head

Eric L. Davis

Undergraduate Coordinator

David Orr

Director of Graduate Programs for Entomology

Clyde E. Sorenson

Director of Graduate Programs for Plant Pathology

David Ritchie

Department Extension Leader

Rick Brandenburg

William Neal Reynolds Professors

R.L. Brandenburg

F.L. Gould

G.G. Kennedy

R.M. Roe

J.F. Walgenbach

B.M. Wiegmann

William Neal Reynolds Distinguished Professor Emeritus

C.S. Apperson

Blanton J. Whitmire Professor

C. Schal

Charles G. Wright Professor

J. Silverman

Alumni Distinguished Professors

J.R. Meyer

C.E. Sorenson

Distinguished University Professor

F.L. Gould

Professors

H.J. Burrack

S.D. Frank

M.J. Scott

D.R. Tarpy

J.F. Walgenbach

D.W. Watson

A.E. Whitfield

Professors Emeriti

J.S. Bachelier

J.R. Baker

F.P. Hain

J.R. Bradley, Jr.

W.M. Brooks

W.V. Campbell

L.L. Dietz

M.H. Farrier

J.D. Harper

H.B. Moore Jr.

H.H. Neunzig

R.L. Robertson

K.A. Sorenson

P.S. Southern

R.E. Stinner

J.W. Van Duyn

C.G. Wright

Adjunct Professors

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N.M. Hamon

E.L. Vargo

Adjunct Professor Emeritus

A.A. Perez de Leon

D.E. Sonenshine

Associate Professors

M.D. Lorenzen

D.B. Orr

D.D. Reisig

M.H. Reiskind

D. Rotenberg

Associate Professor Emeritus

R.C. Hillmann

Adjunct Associate Professor

Y.J. Cardoza

C.A. Nalepa

Extension Associate Professor

M.G. Waldvogel

Assistant Professors

B. Blaimer
 A. Huseth
 A. Mikaelyan

Adjunct Assistant Professors

K. Oten, *NCDA*
 M. Lopez Uribe, *Penn State Univ.*

Research Professor

A.C. Cohen

Research Assistant Professor

A.T. Groot

Extension Specialists

H.J. Burrack
 D.D. Reisig
 M.G. Waldvogel

Extension Associate

M.A. Bertone
 T. Billeisen
 E.A. Driscoll

Extension Specialists Emeriti

S. Bambara
 D.L. Stephan
 M. Stringham
 S.J. Toth

Associate Members of Faculty

D.B. Buchwalter, *Toxicology*
 W.G. Buhler, *Horticultural Science*

R.R. Dunn, *Applied Ecology*

R. Jetton, *Forestry, College of Natural Resources*

Plans

- Entomology (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/entomology-plant-pathology/entomology-minor/>)
- Fundamentals of Entomology (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/entomology-plant-pathology/fundamentals-entomology-certificate/>)
- Plant Pests, Pathogens, and People (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/entomology-plant-pathology/plant-pests-pathogens-people-certificate/>)