

Plant Health
Management - B.S.
and M.S programs

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Department of Entomology
Department of Plant
Pathology and Crop
Physiology
School of Plant,
Environmental, and Soil
Science

Louisiana State University
Agricultural Center and LSU
College of Agriculture



What are we doing?

School of Plant,
Environmental, and
Soil Sciences

B.S. -Plant and Soil
Systems

Area of
Concentration:
Agricultural Pest
Management

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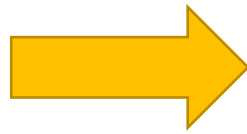
Area of
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Departments of Plant
Pathology and
Entomology

B.S. – Plant Health
Management

What are we doing?



Departments of Plant
Pathology and
Entomology

B.S. – Plant Health
Management

M.S – Plant Health
Management
(non-thesis, accelerated
option)

Why are we doing this?

- Consultants: need better, more comprehensive training for new consultants and county agents
- The College of Agriculture: attract more students by developing new degree programs
- Anticipated global need for graduates in plant health and natural resource management
- Better serve our students interested in pest management: concentrating recruitment, advising, internship and scholarship opportunities in Plant Path and Entomology
- The M.S. program will address need for advanced training in areas like precision agriculture

What will the curriculum look like?

General Ed & prerequisites

- Biology
- Math
- Chemistry
- GenEd
- Microbiology
- Statistics
- Etc.

Core courses - required

- AGRO 2025 – Intro Crop Sci
- RNR 2900 – Hort. Botany
- ANSC 2072 – Agric Genetics
- ENTM 2001 – Insects in Env
- PLHL 4000 – Gen Plant Path
- ENTM 4006 – Fund Appl Ent
- BIOL/PLHL 3060 – Plant Phys
- AGRO 4070 – Weed Sci
- PLHL 4001 – Plant Dis Mgmt & Control
- AGRO 4052 – Soil Fertility/Mgmt

Core courses – new

- ENTM/PLHL 1005 – Principles Plant Health Mgmt
- PLHL/ENTM 2000 – Plants, Microbes, and Society
- PLHL/ENTM 3005 – Ecol Plant Dis and Insect Pests
- PLHL/ENTM 3001 – Pesticides in Env

Other requirements

- Internship (3 hrs)
- Capstone: PLHL 4002 – Plant Health CSI
- 18 hours of elective – Entomology, Plant Pathology, Weed Science, or Agronomy/Precision Ag

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What hurdles do we still face?

- Need for instructors
 - New courses will require additional Instructors. Pending approval from LSU AgCenter administration
- Approval of new curriculum
 - Faculty Senate S&C Committee (in process) >> Board of Supervisors >> Board of Regents
- Development of M.S.
 - accelerated, non-thesis, 36 hours over 2 semesters + summer internship)

What do we need from LACA?

- Support – express your support for this program to LSU AgCenter
- Ideas – we are still shaping the curriculum – your input is needed

Who should you contact for more info?

- Lawrence Datnoff, Head, Plant Path – ldatnoff@agcenter.lsu.edu
- Michael Stout, Head, Entomology + Interim Director, SPESS – mstout@agcenter.lsu.edu
- Jeff Davis, Undergraduate Advisor, Entomology – jeffdavis@agcenter.lsu.edu
- Vinson Doyle, Chair, C&C Committee, Plant Path – Vdoyle@agcenter.lsu.edu

Soil Testing and Plant Analysis Lab (SPESS)

- Hiring a new Director for the soil testing lab
- New customer interface software in development by AgCenter IT
- Requesting faculty position – Extension soil fertility specialist
- Developing new recommendations for crops and vegetables/fruits