Entomology, M.S.

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Degree Offered

- Master of Science

*For Ph.D. option, see Entomology area of emphasis under Ph.D. in Plant and Soil Sciences

Nature of the Program

M.S. in Entomology provides students the opportunity to take courses and conduct original, master's-level research. The educational experience obtained through courses and research is expected to provide students with the background and expertise to excel. Entomology is critical to maintaining agriculture and forest productivity, solving environmental problems, and promoting economic development in the state.

Admissions

In order for a student to be admitted to the program, the applicant normally must fulfill the following admission criteria to be considered:

- Possess a baccalaureate degree.
- Have a minimum undergraduate grade point average of 3.0.
- Have an adequate academic aptitude at the graduate level as measured by the Graduate Record Examination (GRE) or other tests/evidence.
- Provide three letters of reference from persons acquainted with the applicant's professional work, experience, or academic background.
- Submit a written statement of approximately 500 words indicating the applicant's goals and objectives relative to receiving a graduate degree.

International students must meet WVU's minimum score requirements for English language proficiency. (https://graduateadmissions.wvu.edu/information-for/international-students/)

Major Code: 0723

A candidate for the M.S. degree in Entomology must meet all University, College, Division, and Program requirements as outlined in the WVU Graduate Catalog.

Program Requirements

All M.S. degree candidates are required to follow a planned program of study. The student develops the plan of study during their first year in the program in conjunction with the graduate committee. The plan must be approved by the Director of the Division and the Associate Dean for Academic Affairs of the Davis College.

Code	Title	Hours
Thesis Option:		
A minimum cumulative GPA of 3.0 is required in all courses applied toward degree requirements.		
Select one of the following:		**3**
STAT 511	Statistical Methods 1	
BIOS 501	Applied Biostatistics 1	
Select one of the following:		**3**
STAT 512	Statistical Methods 2	
BIOS 503	Applied Biostatistics 2	
Seminar		**3**
ENTO 796	Graduate Seminar	
Research		**6**
ENTO 797	Research	
Discipline-Oriented Coursework *		**15**
(AEM, AGBI, AGRN, BIOL, ENTO, GEN, HORT, IMMB, MICB, PLSC, PPTH)		
Plan of Study		

Thesis	
Total Hours	30

Code	Title	Hours
Non-Thesis Option:		
A minimum cumulative GPA of 3.0 is required in all courses applied toward degree requirements.		
Select one of the following:		**3**
STAT 511	Statistical Methods 1	
STAT 512	Statistical Methods 2	
BIOS 501	Applied Biostatistics 1	
BIOS 503	Applied Biostatistics 2	
Graduate Chemistry/Biochemistry Course		**3**
AGBI 610	General Biochemistry	
AGBI 612	General Biochemistry	
ESWS 516	Soil Chemistry	
Seminar		**3**
ENTO 796	Graduate Seminar	
Teaching Practicum		**2**
ENTO 790	Teaching Practicum	
Discipline-Oriented Coursework *		**15**
(AEM, AGBI, AGRN, BIOL, ENTO, GEN, HORT, IMMB, MICB, PLSC, PPTH)		
Independent Study		**3**
ENTO 795	Independent Study	
Electives		**7**
Plan of Study		
Total Hours		36

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Excludes 797 and limit 590, 690, and 790 to no more than 3 credit hours

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Students must complete a minimum of 30 total hours, of which at least 24 hours must be coursework other than research, thesis, project, internship, etc. credits.

Major Learning Outcomes

ENTOMOLOGY

- Students will acquire fundamental knowledge of entomology and associated fields.
- Students will acquire detailed knowledge of their particular subdiscipline or research area, including the scientific literature fundamental to their discipline and the ability to stay current on scientific literature.
- Students will acquire technical skills in the field and laboratory.
- Students will develop the ability to communicate in writing and orally about scientific concepts and the results of their research. Students will develop the ability to design, conduct, and interpret the results of experiments.