

Horticulture

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Degree Offered

- Master of Science with a major in Horticulture

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 2.75 (3.0 for acceptance as a regular graduate student).
- 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 have the additional requirement to submit a minimum score of 213 on the computer based TOEFL examination if their native language is not English. Interviews are encouraged but not required.

A candidate for the M.S. degree in Horticulture 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.

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 601 & BIOS 602	Applied Biostatistics 1 and Applied Biostatistics Lab
Select one of the following:	3
STAT 512	Statistical Methods 2
BIOS 603 & BIOS 604	Applied Biostatistics 2 and Applied Biostatistics 3
Seminar	3
HORT 796	Graduate Seminar
Research	6
HORT 797	Research
Discipline-Oriented Coursework	15
(HORT, PLSC, GEN, BIOL, AGRN, AGBI, ENTO, PPTH, AEM, RESM, AGEE, GEOG, HN&F)	
Total Hours	30

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 601 & BIOS 602	Applied Biostatistics 1 and Applied Biostatistics Lab

BIOS 603 & BIOS 604	Applied Biostatistics 2 and Applied Biostatistics 3	
Graduate Chemistry/Biochemistry Course		3
AGBI 610	General Biochemistry	
AGBI 612	General Biochemistry	
AGRN 516	Soil Chemistry	
Seminar		3
HORT 796	Graduate Seminar	
Teaching Practicum		2
HORT 790	Teaching Practicum	
Discipline-Oriented Coursework		15
(HORT, PLSC, GEN, BIOL, AGRN, AGBI, ENTO, PPTH, AEM, RESM, AGEE, GEOG, HN&F)		
Independent Study		3
HORT 795	Independent Study	
Electives		7
Total Hours		36

* 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

HORTICULTURE

Students will acquire fundamental knowledge of horticulture and associated fields of plant and soil science.

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, greenhouse, or 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.