

Floriculture/Nursery Production Potential Area of Study

In consultation with an advisor, students will develop a program of study consisting of at least 24 credits, **eight** credits of which must have a HORT designator at the 3XXX level or above. The additional credits completing the program should be from selected fields such as AGRO, ESPM, PLPA, ENT, SOIL, PBIO, EEB, BIOL, FR. From the total 24 credits, a minimum of 18 credits must be at or above the 3XXX level.

FALL

SPRING

FIRST YEAR

HORT 1001 (4) Plant Propagation	BIOL 1009 (4) General Biology
*CHEM 1011 (4) General Principles of Chemistry	Business or Science Option Course (3-4)
**MATH 1031 (3) College Algebra	APEC 1101 (3) Principles of Microeconomics
Hort 1004 (1) (Hort Elective – Recommended) Building your Horticulture Learning Community	Elective (3-4)

* OR CHEM 1021 (4) Principles of Chemistry I

** OR MATH 1142 (3) Short Calculus

SECOND YEAR

HORT 1015 (4) Woody & Herbaceous Plants	PLPA 2001 (3) Introductory Plant Pathology for Horticulturists
SOIL 2125 (4) Basic Soil Science	Hort 3005 (4) Environmental Effects on Horticultural Crops
HORT 2100 (3) Agricultural Biochemistry or BIOC 3021 Biochemistry (3)	Business or Science Option Course (4)
Business or Science Option Course (3-4)	CLE course (3-4)

NOTE: Students are required to complete one of the following course groups:

Business Option Course Group: APEC 1101 (3) Principles of Microeconomics, Take 3 or more course(s) from the following: Hort 4461 (3) Horticultural Marketing, MGMT 3001 (3) Fundamentals of Management, MGMT 3010 (4) Introduction to Entrepreneurship; APEC 1251 (3) Principles of Accounting OR ACCT 2050 (4) Introduction to Financial Reporting; STAT 3011 (4) Introduction to Statistical Analysis OR OMS 2550 (4) Business Statistics: Data Source Presentation and Analysis.

Science Option Course Group: CHEM 1022 (4) Principles of Chemistry II; CHEM 2301 (3) Organic Chemistry; PHYS 1101W (4) Introductory College Physics

FALL

SPRING

THIRD YEAR

***ENT 4251 (3) Forest and Shade Tree Entomology	HORT 3002W (3) Greenhouse Management
Hort 4072 (3) Growing Plants Organically: What It Means To Be Green	HORT 4015 (1) Advanced Woody & Herbaceous Plant Topics (Prereq Hort 1015)
Science Option Course or Elective (3-4)	Hort 5009 (3) Pesticides in Horticulture: Their Use and Abuse
CLE Course (4)	CLE course (4)
****HORT 4096 (1-2) Internship	CLE course (3)

*** OR ENT 3005 Insect Biology (3) OR Spring Semester ENT 4015 Ornamental & Turf Entomology (3)
 **** Recommend doing the **Internship** between your Sophomore and Junior year and register for it during the following semester. Hort 4096 may be repeated once for a total of 2 credits.

FOURTH YEAR

HORT 4071W (4) ---OR--- Application of Biotechnology to Plant Improvement (CLE=Citizen & Public Ethics)	HORT 4401 (4) Plant Genetics and Breeding
HORT 4141W (4) Nursery Management	HORT 5051 (4) Floriculture Crop Production
HORT Elective (3-4)	HORT Elective (3-4)
Elective (3-4)	CLE Course (3)
CLE Course (3)	CLE Course (3)

Check the Horticultural Science web site for a list of courses to fulfill Hort electives.

www.horticulture.umn.edu (Academics, Student Life, See complete list of horticultural science courses).

All Students are required to complete University courses fulfilling the liberal education and writing requirements. Some of the courses required with the major also will fulfill liberal education requirements. Students must complete at least 120 semester credits to graduate (approximately 15 credits per semester) All required courses must be taken A/F and a grade of at least C- is required in all core and major requirements.

Effective Fall 2009