

Department of Horticulture
2003-2004 Catalog Year
HORTICULTURE SCIENCE CURRICULUM CHECKSHEET
for students interested in Plant Science and Plant Science Research

Section 1 - General Education University Core Requirements

A. Mathematics (3 hours)

- MATH 1203 (College Algebra)
- MATH 2043 (Survey of Calculus)
- MATH 2053 (Finite Mathematics)

B. History or Government (3 hours)

- HIST 2003 (History of American People to 1877)
- HIST 2013 (History of American People 1877- Present)
- PLSC 2003 (American National Government)

C. Fine Arts and Humanities (6 hours)

Choose 3 hours from 2 separate categories:²

- LARC 1003 (Landscape Architecture)
- ARCH 1003 (Architecture Lecture)
- ARHS 1003 (Art Lecture)
- ARTS 1003 (Art Studio)
- COMM 1003 (Film Lecture)
- DANC 1003 (Basic Movement and Dance)
- DRAM 2003 (Theater Lecture)
- HUMN 1003 (Introduction to the Arts and Aesthetics)
- MLIT 1003 (Music Literature)
- OR
- PHIL 2003 (Introduction to Philosophy)
- PHIL 2103 (Introduction to Ethics)
- PHIL 2203 (Logic)
- PHIL 3103 (Ethics and Professions)
- OR
- CLST 1003 (Intro to Classical Studies/Greece)
- CLST 1013 (Intro to Classical Studies/Rome)
- ENGL 2113 (English Literature to 1798)
- ENGL 2123 (English Literature 1798 to present)
- HUMN 1114H (Honors Roots of Cultures to 500 CE)
- HUMN 1124H (Honors Equilibrium of Culture 500 to 1600)
- WLIT 1113 (World Literature I)
- WLIT 1123 (World Literature II)

OR

- HUMN 2003 (Intro to Gender Studies)
- Foreign Language 2003 or higher (Spanish Recommended)

D: Social Sciences (6 hours)²

- AGE 1103 (Principles of Agri. Microeconomics)
- AGE 2103 (Principles of Agri. Macroeconomics)
- ANTH 1023 (Intro to Cultural Anthropology)
- ECON 2013 (Principles of Macroeconomics)
- ECON 2023 (Principles of Microeconomics)
- ECON 2143 (Basic Economics-Theory/Practice)
- GEOG 1123 (Human Geography)
- GEOG 2023 (Economic Geography)
- GEOG 2103 (Emerging Nations)
- GEOG 2203 (Developed Nations)
- HESC 1403 (Life Span Development)
- HESC 2413 (Family Relations)
- HIST 1113H (Honors World Civilization I)
- HIST 1123H (Honors World Civilization II)
- HIST 2003 (History American People to 1877)
- HIST 2013 (History American People 1877 to Present)
- PLSC 2003 (American National Government)
- PLSC 2013 (Introduction to Comparative Politics)
- PLSC 2203 (State and Local Government)
- PSYC 2003 (General Psychology)
- RSOC 2603 (Rural Sociology)
- SOCI 2013 (General Sociology)

- WCIV 1003 (Western Civilization I)
- WCIV 1013 (Western Civilization II)

Section II: Department and College Requirements

A: Communication, Interpersonal Skills and Leadership Development

1. English Composition (6-9 hours)²

- ENGL 1013 (English Composition)
- ENGL 1023 (English Composition II)
- ENGL 2003 (Advanced Composition)¹

¹If exempt by virtue of performance may use these credits as general electives

2. Communications (6 hours)²

- COMM 1313 (Fundamentals of Communication)
- AND
- Choose 3 hours from the following area:
- AGED 3142 (Agri. Communications)
- AGED 3141L (Agri. Communications Lab)
- AGED 4003 (Issues in Agriculture)
- CSES 3023 (Agronomy Colloquium)
- COMM 2303 (Public Speaking)
- ENGL 3053 (Technical and Report Writing)
- JOUR 1023 (Media and Society)
- JOUR 3123 (Feature Writing)
- JOUR 3723 (Advertising Principles)
- COMM 2323 (Interpersonal Communication)
- Foreign Language 2003 or higher (Spanish Recommended)

3. Interpersonal Skills and Leadership Development (3 hours)

- AGED 3142 (Agri. Communications) and
- AGED 3141L (Agri. Communications Lab)
- AGED 4003 (Issues in Agriculture)
- COMM 2323 (Interpersonal Communication)
- COMM 2351 (Parliamentary Procedure)
- COMM 3303 (Small-Group Communication)
- COMM 3703 (Organizational Communication)

B. General Sciences

1. Botany and Plant Sciences (8 hours)²

- BIOL 1543 (Principles of Biology) and
- BIOL 1541L (Principles of Biology Lab)
- BOTY 1613 (General Botany) and
- BOTY 1611L (General Botany Lab)
- BOTY 4304 (Plant Physiology) and
- BOTY 4300L (Plant Physiology Lab)

2. Chemistry (4 hours)

- CHEM 1103 (University Chemistry I) and
- CHEM 1101L (University Chemistry I Lab) and
- CHEM 1100D (University Chemistry I Drill)

3. Physics and Genetics (3-4 hours)²

- Choose 3-4 hours from the following area:
- PHYS 1023 (Physics and Human Affairs) and
- PHYS 1021L (Physics & Human Affairs Lab)
- PHYS 2013 (College Physics I) and
- PHYS 2011L (College Physics I Lab)
- PHYS 2054 (University Physics I) and
- PHYS 2050L (University Physics I Lab)
- PHYS 1054 (Physics for Architects II) and
- PHYS 1050L (Physics for Architects II Lab)
- BIOL 3323 (General Genetics) and
- BIOL 3321 (General Genetics Lab)
- ANSC 3123 (Principles of Genetics)

4. Environmental Science, Ecology and Geology (3-4 hours)

- ___ ESWS 1003 (Environmental Science)
- ___ BIOL 3863 (General Ecology)
- ___ BIOL 3861L (General Ecology Lab)
- ___ GEOL 1113 (General Geology)
- ___ GEOL 1111L (General Geology Lab)
- ___ GEOL 1133 (Environmental Geology)
- ___ GEOL 1131L (Environmental Geology Lab)

C. Economics and Business (6 hours)

Choose 3 hours from each of the 2 categories:

- ___ ECON 2013 (Principles of Macroeconomics)
- ___ ECON 2023 (Principles of Microeconomics)
- ___ ECON 2143 (Basic Economic Theory)
- ___ AGECE 1103 (Principles of Agri. Microeconomics)
- ___ AGECE 2103 (Principles of Agri. Macro Economics)

AND

- ___ ECON 2013 (Principles of Macroeconomics)
- ___ ECON 2023 (Principles of Microeconomics)
- ___ ECON 2143 (Basic Economic Theory/Practice)
- ___ AGECE 1103 (Principles of Agri. Microeconomics)
- ___ AGECE 2103 (Principles of Agri. Macroeconomics)
- ___ AGECE 2303 (Introduction to Agribusiness)
- ___ AGECE 3303 (Food and Agricultural Marketing)
- ___ AGECE 3403 (Farm Business Management)
- ___ MGMT 1033 (Introduction to Business)
- ___ MGMT 3563 (Mgmt. Concepts & Organization Behavior)
- ___ ACCT 2013 (Introduction to Accounting Information I)
- ___ ACCT 2023 (Introduction to Accounting Information II)
- ___ MKTT 3433 (Principles of Marketing)
- ___ BLAW 2013 (Legal Environment of Business)
- ___ Any other AGECE or Walton College of Business course

D. Agricultural Science (7 hours)^Y

- ___ CSES 2203 (Soil Science) and
- ___ CSES 2201L (Soil Science Lab) and
- ___ CSES 2200D (Soil Science Drill)

AND

Choose 3 hours from the following area:

- ___ CSES 2003 (Introduction to Weed Science) and
- ___ CSES 2000L (Introduction to Weed Science Lab)
- ___ ENTO 3013 (Introduction to Entomology) and
- ___ ENTO 3010 (Introduction to Entomology Lab)
- ___ PLPA 3004 (Principles of Plant Pathology) and
- ___ PLPA 3000L (Principles of Plant Pathology Lab)

E. Department Core (18 hours)

- ___ AFLS 1011 (Freshman Orientation)
- ___ HORT 2003 (Principles of Horticulture) and
- ___ HORT 2000L (Principles of Horticulture Lab)
- ___ HORT 4403 (Plant Propagation) and
- ___ HORT 4400L (Plant Propagation Lab)
- ___ HORT 3901 (Horticulture Career Development)
- ___ HORT 462V, 463V, 464V, 465V (Internship)
- (Minimum 3 hr. internship)

AND

Choose 3 hours from the following area:

- ___ HORT 3103 (Woody Landscape Plants) and
- ___ HORT 3100L (Woody Landscape Plant Lab) or
- ___ HORT 3113 (Herbaceous and Indoor Plants) and
- ___ HORT 3110L (Herbaceous and Indoor Plants Lab)

Section III. Horticulture Science Concentration

(Note: Students in HSCI must take both a genetics and a physics course.)

A. Science (11-12 hours)

- ___ CHEM 1123 (University Chemistry II) and
- ___ CHEM 1121L (University Chemistry II Lab)
- ___ CHEM 1120D (University Chemistry II Drill)
- ___ CHEM 2613 (Organic Physiological Chemistry) and
- ___ CHEM 2611L (Organic Physiological Chemistry Lab)
- ___ CHEM 2610D (Organic Physiological Chemistry Drill)

Choose 3-4 hours from the following area:

- ___ BIOL 3323 (General Genetics) and
- ___ BIOL 3321L (General Genetics Lab)
- ___ ANSC 3123 (Principles of Genetics)
- ___ PHYS 2013 (College Physics I) and
- ___ PHYS 2011L (College Physics I Lab) and
- ___ PHYS 2010D (College Physics I Drill)
- ___ PHYS 2054 (University Physics I) and
- ___ PHYS 2050L (University Physics I Lab)

B. Math (3-4 hours)

- ___ MATH 2043 (Survey of Calculus)
- ___ MATH 2040D (Survey of Calculus Drill)
- ___ MATH 2554 (Calculus I)

C. Any additional approved Horticulture class (9 hours)

- ___
- ___
- ___

D. Elective Courses in addition to requirements to equal 124 hours:

- ___
- ___
- ___
- ___
- ___

Students may use free electives for any courses of interest. Choose electives to insure that at least 39 hours of course work are at the 3000 level or higher. Free electives may also be used to complete the requirements for a minor.

^YSatisfies University Minimum Core Requirements.

^YSatisfies CAFLS Core Requirement. Students must complete a minimum of 9 hours in CAFLS outside of HORT. Students must complete COMM 1313 and 3 additional hours in a communication intensive course.

Students transferring to HORT with more than 24 credit hours of transfer credits are not required to enroll in AFLS 1101.

Students must complete a minimum of 3 and a maximum of 6 credit hours of an internship (HORT 462V, 463V, 464V, 465V) in horticulture. Students are eligible for enrollment in internship after completing a minimum of 45 credits towards the degree.

Certain Classes appear in more than one section. However, they may only be used to satisfy a single requirement.

To graduate, at least 124 credits must be completed. At least 35 hours in the University Core, at least 30 hours in the Bumpers College of Agricultural, Food and Life Sciences and 9 hours within Bumpers College of Agricultural, Food and Life Sciences and outside of Horticulture. At least 39 credit hours must be at the 3000 level or higher. Students must achieve a minimum GPA of 2.0 with no more than 25% (31 hours) of the credits at a grade level of a D. There may be a maximum of 68 hours of lower division (2000 level or lower) transfer courses.