

Horticulture Major
Ornamental Horticulture Emphasis
Landscape Maintenance and Construction Emphasis
Turfgrass Management Emphasis
Business Emphasis
Science Emphasis
Ornamental Horticulture
AAS and One-year Certificate

Published April 2008

Effective for students beginning degree Summer Sem. 2008 thru Spring Sem. 2009

Admission Requirements for This Major

1. New freshmen admitted to USU in good standing qualify for admission to this major.
2. Transfer students from other institutions need a 2.2 transfer GPA and students transferring from other USU majors need a 2.0 total GPA in courses required for this major to be accepted in good standing in Horticulture.

The Program

The demand for high-quality food, the use of ornamental plants to bring aesthetic qualities to urban living, the increasing importance of land-use planning and zoning laws, the efforts to control air, soil, and water pollution, and the rehabilitation of land make this an exciting time to begin a career in Plants, Soils, and Climate.

In addition to learning about soil preparation, planting, growing, and harvesting crops, students learn how to identify and control insects, diseases, and weeds. They study the use of growth regulators, proper fertilization, water application, crop rotation, and other management practices to improve the production and quality of crops and to preserve our environment. Many interested students have the opportunity to receive hands-on experience working side-by-side with research scientists in the laboratory, greenhouse, and field.

The **Horticulture Major** prepares students for production of fruits, vegetables, turf, or ornamentals and for landscape construction and maintenance. Course topics include biology, chemistry, and control of insects, diseases, and weeds. The **Ornamental Horticulture Emphasis** adds courses in production management techniques, such as pruning, spraying, and landscaping (materials, design, and maintenance); and greenhouse management. In the **Landscape Maintenance and Construction Emphasis**, students learn design, construction, and maintenance through a joint program with the Landscape Architecture and Environmental Planning Department. In the **Turfgrass Management Emphasis**, students complete courses in turfgrass management to prepare them for careers in golf course, park, athletic field, and landscaping management. The **Business Emphasis** joins courses necessary for a minor in Business with those necessary for obtaining expertise in horticulture. The **Science Emphasis** prepares students for graduate study and for employment in technical occupations.

Students entering the department are assigned an advisor who assists them in developing their course schedule, suggests opportunities for summer employment, and maintains an awareness of job opportunities after graduation. Faculty members in the department enjoy working with students and make themselves available for student consultation.

Career Opportunities

Graduates of the department have a number of employment opportunities with private industry, universities, and federal, state, and local governments. Others serve as farm advisors or farm consultants with industries closely aligned to agriculture. Agricultural businesses depend on competent, technically oriented salespersons to get merchandise to farmers and to recommend new technology to their customers. With sales experience, graduates can also move into advertising, marketing, technical services, administration, and management. At land-grant universities, the Cooperative Extension Service hires graduates to work with producers and other groups who need to translate research results into usable management practices.

Graduates obtain employment in many fields, but the most common include: (1) orchard, greenhouse, or nursery management; (2) golf course or parks superintendent; (3) landscape construction and maintenance; (4) laboratory technician; (5) supervisor or demonstrator of chemical or technical products; (6) inspector of agricultural products; (7) private businesses such as irrigation equipment sales, or consulting; (8) work abroad through government or philanthropic foundations to help solve world food, soil, and environmental problems; and (9) garden center, seed, and chemical sales.

Many graduates go on to graduate schools to prepare themselves for research and teaching. The department offers MS and PhD degrees.

Degrees and Certificates Offered Through This Department

Bachelor of Science (BS):

- Crop Science
- Horticulture
- Environmental Soil/Water Science

Master of Science (MS) and Doctor of Philosophy (PhD):

- Plant Science
- Soil Science
- Biometeorology
- Ecology

Master of Professional Studies in Horticulture (MPSH)

Associate of Applied Science (AAS) and One-year Certificate:

- Ornamental Horticulture

Graduation Requirements: BS Degree in Horticulture

Minimum University Requirements*

Total credits	120
Grade point average (most majors require higher GPA)	2.00 GPA
Credits of C- or better	100
Credits of upper-division courses (#3000 or above)	40
USU credits	30
(20 of which must be upper division, including 10 required by major)	
Completion of approved major program of study	See department
Credits in minor (if required by department)	12
Credits in American Institutions (ECON 1500; HIST 1700, 2700, or 2710; POLS 1100; or USU 1300)	3
University Studies requirements	See next page

*Colleges and departments may require more credits or a higher GPA. See requirements on this sheet.

University Studies Requirements for Horticulture Major

Note: Approved University Studies courses and requirements are listed in the back section of each semester's *Schedule of Classes*.

General Education Requirements (30-34 credits)

Competency Requirements (9-10 credits)

Communications Literacy (CL1 and CL2) (6 credits)

ENGL 1010 (CL1) (3 credits) or satisfactory AP, CLEP, IBO, ACT, or SAT score

AND

ENGL 2010 (CL2) (3 credits) or satisfactory IBO score

Quantitative Literacy (QL) (3-4 credits)

MATH 1030 or 1050 or STAT 1040 (3-4 credits)

OR

One MATH or STAT course requiring MATH 1050 as a prerequisite

OR

Satisfactory AP, CLEP, IBO, ACT, or SAT score

Computer and Information Literacy (0 credits)

Passing grade on six computer and information literacy related examinations.

Breadth Requirements (18-20 credits)

Select at least one approved course from each of the following six categories: **American Institutions (BAI)**, **Creative Arts (BCA)**, **Humanities (BHU)**, **Life Sciences (BLS)**, **Physical Sciences (BPS)**, and **Social Sciences (BSS)**. At least two of the six breadth courses must be University Studies courses with a **USU prefix** (excluding USU 1000, 1010, 1100, 3330, 4900, and 6900). (CLEP or AP credit may be used.) BIOL 1010, 1620, or WILD 2200 will fulfill the Life Sciences requirement and CHEM 1110 will fulfill the Physical Sciences requirement for students in the Horticulture major.

Exploration Requirement (3-4 credits)

Choose an additional class from one of the following General Education categories: QL, BAI, BCA, BHU, BLS, BPS, or BSS.

Depth Education Requirements

Communications Intensive (CI) (2 courses)

PSC 3890 and 4890 will meet this requirement.

Quantitative Intensive (QI) (1 course)

One course having QI designation (such as LAEP 2600, BIOL 3060, 4400, SOIL 5550, and STAT 3000) will meet this requirement.

Depth Course Requirements (4 credits minimum, including 2 credits minimum completed in each of two courses)

Complete at least 2 credits in *approved* 3000-level or above courses from each of the following two categories: **Humanities and Creative Arts (DHA)** and **Social Sciences (DSS)**.

Department Requirements

All courses used to fulfill major requirements must be taken for a grade of *A-B-C-D-F* and not *Pass/Fail*. A 2.5 GPA is required for all courses used to fulfill major requirements (Core and Emphasis courses). At least 20 credits of the major must be taken from the Plants, Soils, and Climate Department.

ARCPACS Certification

For general information, students should refer to the American Society for Horticultural Science website at: <http://www.ashs.org/> and the ARCPACS website at: <https://www.agronomy.org/certifications/>.

For specific course requirements, students should contact their advisor in the Plants, Soils, and Climate Department.

Horticulture Major

Note: Effective Summer Semester 2006, some course numbers changed, due to House Bill 320 (Common Course Numbering). Course numbers used *prior* to Summer Semester 2006 are shown in parentheses, following *formerly*.

Students must complete the core courses and courses for one of the four emphases to fulfill the requirements for a Horticulture Degree.

Core Courses (23-26 credits)

Credits

- CHEM 1110 (BPS) General Chemistry I (F,Sp) (4 cr) **or**
- CHEM 1210 Principles of Chemistry I (F,Sp) (4 cr) 4
- MATH 1050 (QL) College Algebra (F,Sp,Su) 4
- OSS 1400 Microcomputer Applications 3
(formerly BIS 1400)
- PLSC 2250 Occupational Experience in Agronomy
and Horticulture (F,Sp,Su) (1-4 cr) **or**
- PSC 4250 Internship in Plants, Soils, and/or
Climate (F,Sp,Su) (1-4 cr) 1-4
- PLSC 2650 Identification and Selection of Plants
in Production Agriculture (F) 1
- PSC 1050 Plants, Soils, and Climate Orientation (F) 1
- PSC 3890 (CI) Preparation for Careers in Plants, Soils,
and/or Climate (F) 1
- PSC 4890 (CI) Senior Seminar (Sp) 1
- SOIL 3000 Fundamentals of Soil Science (F) 4
- WILD 2200 (BLS) Ecology of Our Changing World (F,Sp) 3

A. Ornamental Horticulture Emphasis (49 credits minimum)

In addition to the Core Courses, select 40 credits from the following courses. Those marked with an asterisk (*) are required.

Credits

- ASTE 3080 Compact Power Units for Agricultural
and Turfgrass Applications (Sp) 3
- BIOL 1610* Biology I (F) 4
(formerly BIOL 1210)
- BIOL 1620 (BLS)* Biology II (Sp) 4
(formerly BIOL 1220)
- BIOL 3060 (QI)* Principles of Genetics (F,Sp,Su) 4
(formerly BIOL 3200)
- PLSC 2100 (BLS) Introduction to Horticulture (F) 3
- PLSC 2600* Annual and Perennial Plant Materials (F, half semester) . 1.5
- PLSC 2620* Woody Plant Materials: Trees and Shrubs for
the Landscape (F) 3
- PLSC 3050 Greenhouse Management and Crop Production (Sp) 4
- PLSC 3300 Residential Landscapes (Sp) 3
- PLSC 3400 Landscape Management Principles and Practices (Sp) 3
- PLSC 3700 Plant Propagation (F) 4
- PLSC 3800 Turfgrass Management (F) 3
- PLSC 4400* Modern Vegetable Production (F) 3
- PLSC 4500* Fruit Production (Sp even) 3
- PLSC 4800 Professional Turfgrass Management (Sp) 2
- PSC 2800 Fundamentals of Organic Agriculture (Sp) 3
- SOIL 4500 Soil Reclamation (Sp) 3
- SOIL 5550 (QI)* Soils and Plant Nutrient Bioavailability (Sp) 3

Select two of the following courses:

- BIOL 4430 Introduction to Plant Pathology (Sp) 4
- BIOL 4500 Applied Entomology (Sp) 3
- PLSC 5550 Weed Biology and Control (F) 4

Select two of the following courses:

- BIOL 4400 (QI) Plant Physiology (F) 4
- BIOL 4410 Plant Structure (Sp) 3
- CHEM 1120 (BPS) General Chemistry II (Sp) 4
- PLSC 3500 The Structure and Function of Economic Crop Plants (Sp) . 3
- PLSC 5200 Environmental Plant Physiology (Sp) 2
- PLSC 5210 Environmental Plant Physiology Laboratory (Sp) 1

B. Landscape Maintenance and Construction Emphasis (47.5 credits)

In addition to the Core Courses, students must complete the following courses for the Landscape Maintenance and Construction Emphasis. All courses are required.

	Credits
<input type="checkbox"/> BIOL 1610 Biology I (F)	4
(formerly BIOL 1210)	
<input type="checkbox"/> LAEP 1200 Basic Graphics in Landscape Architecture (F)	4
<input type="checkbox"/> LAEP 2600 (QI) Landscape Construction I (F)	4
<input type="checkbox"/> LAEP 3500 Planting Design (F)	2
<input type="checkbox"/> LAEP 3610 Landscape Construction II (Sp)	4
<input type="checkbox"/> PLSC 2200 Pest Management Principles and Practices (Sp)	3
<input type="checkbox"/> PLSC 2600 Annual and Perennial Plant Materials (F, half semester)	1.5
<input type="checkbox"/> PLSC 2620 Woody Plant Materials: Trees and Shrubs for the Landscape (F)	3
<input type="checkbox"/> PLSC 3300 Residential Landscapes (Sp)	3
<input type="checkbox"/> PLSC 3400 Landscape Management Principles and Practices (Sp)	3
<input type="checkbox"/> PLSC 3500 The Structure and Function of Economic Crop Plants (Sp)	3
<input type="checkbox"/> PLSC 3800 Turfgrass Management (F)	3
<input type="checkbox"/> PLSC 4400 Modern Vegetable Production (F) (3 cr) or	
<input type="checkbox"/> PLSC 4500 Fruit Production (Sp even) (3 cr)	3
<input type="checkbox"/> PLSC 5550 Weed Biology and Control (F)	4
<input type="checkbox"/> SOIL 4700 Irrigated Soils (Sp, half semester)	3

The following courses are suggested as electives:

<input type="checkbox"/> ASTE 3200 Irrigation Principles and Practices (Sp)	3
<input type="checkbox"/> PLSC 2100 (BLS) Introduction to Horticulture (F)	3
<input type="checkbox"/> PLSC 2610 Indoor Plants and Interiorscaping (F, half semester)	1.5
<input type="checkbox"/> PLSC 3420 Landscape Irrigation Design (Sp)	2
<input type="checkbox"/> PLSC 3700 Plant Propagation (F)	4
<input type="checkbox"/> PLSC 4800 Professional Turfgrass Management (Sp)	2
<input type="checkbox"/> PSC 5200 Site-Specific Agriculture and Landscape/Horticultural Management (Sp, half semester)	3
<input type="checkbox"/> SOIL 4500 Soil Reclamation (Sp)	3
<input type="checkbox"/> SOIL 5550 (QI) Soils and Plant Nutrient Bioavailability (Sp)	3

C. Turfgrass Management Emphasis (48-52 credits)

In addition to the Core Courses, students must complete the following courses for the Turfgrass Management Emphasis.

	Credits
<input type="checkbox"/> BIOL 1610 Biology I (F)	4
(formerly BIOL 1210)	
<input type="checkbox"/> BIOL 1620 (BLS) Biology II (Sp)	4
(formerly BIOL 1220)	
<input type="checkbox"/> BIOL 3060 (QI) Principles of Genetics (F,Sp,Su)	4
(formerly BIOL 3200)	
<input type="checkbox"/> PLSC 2620 Woody Plant Materials: Trees and Shrubs for the Landscape (F)	3
<input type="checkbox"/> PLSC 3400 Landscape Management Principles and Practices (Sp)	3
<input type="checkbox"/> PLSC 3800 Turfgrass Management (F)	3
<input type="checkbox"/> PLSC 4400 Modern Vegetable Production (F) (3 cr) or	
<input type="checkbox"/> PLSC 4500 Fruit Production (Sp even) (3 cr)	3
<input type="checkbox"/> PLSC 4800 Professional Turfgrass Management (Sp)	2

The following courses are suggested as electives. Select a minimum of two courses from each category:

Horticulture

<input type="checkbox"/> ASTE 3080 Compact Power Units for Agricultural and Turfgrass Applications (Sp)	3
<input type="checkbox"/> ASTE 3200 Irrigation Principles and Practices (Sp)	3
<input type="checkbox"/> PLSC 2200 Pest Management Principles and Practices (Sp)	3
<input type="checkbox"/> PLSC 3300 Residential Landscapes (Sp)	3
<input type="checkbox"/> PLSC 3700 Plant Propagation (F)	4
<input type="checkbox"/> PLSC 5100 Landscape Irrigation Management (Sp)	3
<input type="checkbox"/> PLSC 5550 Weed Biology and Control (F)	4
<input type="checkbox"/> SOIL 4700 Irrigated Soils (Sp, half semester)	3
<input type="checkbox"/> WILD 5300 Wildlife Damage Management Principles (Sp)	3

Science

Credits

<input type="checkbox"/> BIOL 2220 General Ecology (F,Sp)	3
<input type="checkbox"/> BIOL 3040 Plants and Civilization (F)	3
<input type="checkbox"/> BIOL 4400 (QI) Plant Physiology (F)	4
<input type="checkbox"/> BIOL 4410 Plant Structure (Sp)	3
<input type="checkbox"/> BIOL 4420 Plant Taxonomy (Sp)	3
<input type="checkbox"/> BIOL 4430 Introduction to Plant Pathology (Sp)	4
<input type="checkbox"/> BIOL 4500 Applied Entomology (Sp)	3
<input type="checkbox"/> CHEM 1120 (BPS) General Chemistry II (Sp)	4
<input type="checkbox"/> CHEM 1215 General Chemistry Laboratory I (F,Sp)	1
(formerly CHEM 1230)	
<input type="checkbox"/> PLSC 3500 The Structure and Function of Economic Crop Plants (Sp)	3
<input type="checkbox"/> PLSC 5200 Environmental Plant Physiology (Sp)	2
<input type="checkbox"/> PLSC 5210 Environmental Plant Physiology Laboratory (Sp)	1
<input type="checkbox"/> PLSC 5430 Plant Nutrition (F odd)	2
<input type="checkbox"/> SOIL 4000 Soil and Water Conservation (F)	4
<input type="checkbox"/> SOIL 4500 Soil Reclamation (Sp)	3
<input type="checkbox"/> SOIL 5550 (QI) Soils and Plant Nutrient Bioavailability (Sp)	3
<input type="checkbox"/> STAT 2000 (QI) Statistical Methods (F,Sp)	3

Business

<input type="checkbox"/> ACCT 2010 Survey of Accounting I (F,Sp,Su)	3
<input type="checkbox"/> ASTE 3050 (CI) Technical and Professional Communication Principles in Agriculture (F,Sp)	3
<input type="checkbox"/> BA 3500 Fundamentals of Marketing (F,Sp,Su)	3
<input type="checkbox"/> ECON 1500 (BAI) Introduction to Economic Institutions, History, and Principles (F,Sp)	3
<input type="checkbox"/> MHR 2050 Legal and Ethical Environment of Business (F,Sp,Su)	3
(formerly MHR 2990)	
<input type="checkbox"/> MHR 3110 (DSS) Managing Organizations and People (F,Sp,Su)	3
<input type="checkbox"/> MHR 3710 Developing Team and Interpersonal Skills (F,Sp)	3

D. Business Emphasis (48 credits)

In addition to the Core Courses, select 30 credits from the following courses. Those marked with an asterisk (*) are required.

	Credits
<input type="checkbox"/> BIOL 1610* Biology I (F)	4
(formerly BIOL 1210)	
<input type="checkbox"/> PLSC 2100 (BLS) Introduction to Horticulture (F)	3
<input type="checkbox"/> PLSC 2200* Pest Management Principles and Practices (Sp)	3
<input type="checkbox"/> PLSC 2600 Annual and Perennial Plant Materials (F, half semester)	1.5
<input type="checkbox"/> PLSC 2620 Woody Plant Materials: Trees and Shrubs for the Landscape (F)	3
<input type="checkbox"/> PLSC 3050 Greenhouse Management and Crop Production (Sp)	4
<input type="checkbox"/> PLSC 3300 Residential Landscapes (Sp)	3
<input type="checkbox"/> PLSC 3400* Landscape Management Principles and Practices (Sp)	3
<input type="checkbox"/> PLSC 3500* The Structure and Function of Economic Crop Plants (Sp)	3
<input type="checkbox"/> PLSC 3700 Plant Propagation (F)	4
<input type="checkbox"/> PLSC 3800 Turfgrass Management (F)	3
<input type="checkbox"/> PLSC 4400* Modern Vegetable Production (F)	3
<input type="checkbox"/> PLSC 4500* Fruit Production (Sp even)	3
<input type="checkbox"/> PLSC 5200 Environmental Plant Physiology (Sp)	2
<input type="checkbox"/> PLSC 5210 Environmental Plant Physiology Laboratory (Sp)	1
<input type="checkbox"/> PLSC 5550* Weed Biology and Control (F)	4
<input type="checkbox"/> PSC 2800 Fundamentals of Organic Agriculture (Sp)	3
<input type="checkbox"/> SOIL 4500 Soil Reclamation (Sp)	3
<input type="checkbox"/> SOIL 4700 Irrigated Soils (Sp, half semester)	3
<input type="checkbox"/> SOIL 5550 (QI)* Soils and Plant Nutrient Bioavailability (Sp)	3

The following courses are required for a Business Minor and the Business Emphasis:

<input type="checkbox"/> ACCT 2010 Survey of Accounting I (F,Sp,Su)	3
<input type="checkbox"/> BA 3460 Fundamentals of Personal Investing	3
<input type="checkbox"/> BA 3500 Fundamentals of Marketing (F,Sp,Su)	3
<input type="checkbox"/> MHR 2050 Legal and Ethical Environment of Business (F,Sp,Su)	3
(formerly MHR 2990)	
<input type="checkbox"/> MHR 3110 (DSS) Managing Organizations and People (F,Sp,Su)	3

Complete one of the following courses:	Credits
<input type="checkbox"/> ACCT 2020 Survey of Accounting II (F,Sp,Su)	3
<input type="checkbox"/> BA 3700 Operations Management (F,Sp,Su)	3
<input type="checkbox"/> MIS 2100 Principles of Management Information Systems (F,Sp,Su)	3
<input type="checkbox"/> ECON 3400 (DSS) International Economics for Business (F,Sp,Su)	3

E. Science Emphasis (48 credits minimum)

In addition to the Core Courses, students must select 44 credits from the following courses for the Science Emphasis. Those marked with an asterisk (*) are required.

	Credits
<input type="checkbox"/> BIOL 1610* Biology I (F)	4
(formerly BIOL 1210)	
<input type="checkbox"/> BIOL 1620 (BLS)* Biology II (Sp)	4
(formerly BIOL 1220)	
<input type="checkbox"/> BIOL 3060 (QI)* Principles of Genetics (F,Sp,Su)	4
(formerly BIOL 3200)	
<input type="checkbox"/> BIOL 4400 (QI)* Plant Physiology (F)	4
<input type="checkbox"/> BIOL 4410 Plant Structure (Sp)	3
<input type="checkbox"/> CHEM 1120 (BPS) General Chemistry II (Sp)	4
<input type="checkbox"/> CHEM 1215 Chemical Principles Laboratory I (F,Sp)	1
(formerly CHEM 1230)	
<input type="checkbox"/> CHEM 1220 (BPS) Principles of Chemistry II (F,Sp,Su)	4
<input type="checkbox"/> CHEM 1225 Chemical Principles Laboratory II (F,Sp)	1
(formerly CHEM 1240)	
<input type="checkbox"/> CHEM 2310 Organic Chemistry I (F)	4
<input type="checkbox"/> CHEM 2320 Organic Chemistry II (Sp)	4
<input type="checkbox"/> CHEM 3700 Introductory Biochemistry (Sp)	3
<input type="checkbox"/> CHEM 3710 Introductory Biochemistry Laboratory (Sp)	1
<input type="checkbox"/> MATH 1060 Trigonometry (F,Sp,Su)	2
<input type="checkbox"/> MATH 1100 (QL)* Calculus Techniques (F,Sp,Su)	3
<input type="checkbox"/> PHYS 1200 (BPS) Introduction to Physics	
by Hands-on Exploration	4
<input type="checkbox"/> PLSC 3700 Plant Propagation (F)	4
<input type="checkbox"/> PLSC 4400* Modern Vegetable Production (F)	3
<input type="checkbox"/> PLSC 4500* Fruit Production (Sp even)	3
<input type="checkbox"/> PLSC 5200* Environmental Plant Physiology (Sp)	2
<input type="checkbox"/> PLSC 5210 Environmental Plant Physiology Laboratory (Sp)	1
<input type="checkbox"/> PLSC 5430 Plant Nutrition (F odd)	2
<input type="checkbox"/> PLSC 5440 Plant Molecular, Cellular, and Developmental	
Biology I (Sp even)	3
<input type="checkbox"/> PLSC 5450 Plant Molecular, Cellular, and Developmental	
Biology II (Sp odd)	3
<input type="checkbox"/> PLSC 5600 Plant Water Relations (F)	2
<input type="checkbox"/> PLSC 5760 Crop Ecology (Sp)	2
<input type="checkbox"/> PSC 2800 Fundamentals of Organic Agriculture (Sp)	3
<input type="checkbox"/> SOIL 3200 (DSC) Microbes in Environmental Action (Sp)	3
<input type="checkbox"/> SOIL 4500 Soil Reclamation (Sp)	3
<input type="checkbox"/> SOIL 5550 (QI)* Soils and Plant Nutrient Bioavailability (Sp)	3
<input type="checkbox"/> STAT 3000 (QI) Statistics for Scientists (F,Sp,Su)	3
<input type="checkbox"/> Select any Ornamental Horticulture class*	3

Select one of the following:

<input type="checkbox"/> BIOL 4430 Introduction to Plant Pathology (Sp)	4
<input type="checkbox"/> BIOL 4500 Applied Entomology (Sp)	3
<input type="checkbox"/> PLSC 5550 Weed Biology and Control (F)	4

**Ornamental Horticulture Program
One-year Certificate (27 credits)**

The 27 credits are distributed as follows:	Credits
<input type="checkbox"/> PLSC 2600 Annual and Perennial Plant Materials (F, half semester)	1.5
<input type="checkbox"/> PLSC 2620 Woody Plant Materials: Trees and Shrubs	
for the Landscape (F)	3
<input type="checkbox"/> Additional PLSC courses selected from	
Associate of Applied Science Core Classes**	18.5-20
<input type="checkbox"/> Courses selected from Approved Electives	3-5

**Students should choose courses that emphasize either Floriculture or Landscape Horticulture.

**Ornamental Horticulture Program
Associate of Applied Science Degree (60 credits)**

The 60 credits are distributed as follows. Some courses require biology prerequisite courses.

University Studies Requirements (15 credits)	Credits
<input type="checkbox"/> ENGL 1010 (CL1) Introduction to Writing: Academic Prose (F,Sp,Su)	3
<input type="checkbox"/> ENGL 2010 (CL2) Intermediate Writing: Research Writing	
in a Persuasive Mode (F,Sp,Su)	3
<input type="checkbox"/> Social Sciences/Humanities Breadth Courses	6
<input type="checkbox"/> Life Sciences/Physical Sciences Breadth Course	3

Professional Requirement

<input type="checkbox"/> All of the Core Courses	34-37
<input type="checkbox"/> Courses selected from Approved Electives	7-10

Core Courses (34-37 credits)

<input type="checkbox"/> OSS 1400 Microcomputer Applications	3
(formerly BIS 1400)	
<input type="checkbox"/> PSC 1050 Plants, Soils, and Climate Orientation (F)	1
<input type="checkbox"/> PLSC 2100 (BLS) Introduction to Horticulture (F)	3
<input type="checkbox"/> PLSC 2200 Pest Management Principles and Practices (Sp)	3
<input type="checkbox"/> PLSC 2250 Occupational Experience in Agronomy	
and Horticulture (F,Sp,Su)	1-4
<input type="checkbox"/> PLSC 2600 Annual and Perennial Plant Materials (F, half semester)	1.5
<input type="checkbox"/> PLSC 2620 Woody Plant Materials: Trees and Shrubs	
for the Landscape (F)	3
<input type="checkbox"/> PLSC 2650 Identification and Selection of Plants	
in Production Agriculture (F)	1
<input type="checkbox"/> PLSC 3050 Greenhouse Management and Crop Production (Sp)	4
<input type="checkbox"/> PLSC 3300 Residential Landscapes (Sp)	3
<input type="checkbox"/> PLSC 3400 Landscape Management Principles and Practices (Sp)	3
<input type="checkbox"/> PLSC 3700 Plant Propagation (F)	4
<input type="checkbox"/> PLSC 3800 Turfgrass Management (F)	3

Approved Electives (11-15 credits)

Choose electives from the following courses or choose from any courses that are part of a BS Degree in Horticulture.

	Credits
<input type="checkbox"/> BIOL 1610 Biology I (F)	4
(formerly BIOL 1210)	
<input type="checkbox"/> CHEM 1110 (BPS) General Chemistry I (F,Sp)	4
<input type="checkbox"/> PLSC 2900 Special Problems in Plant Science (F,Sp,Su)	1-4
<input type="checkbox"/> PLSC 3500 The Structure and Function of Economic Crop Plants (Sp)	3
<input type="checkbox"/> PLSC 4400 Modern Vegetable Production (F)	3
<input type="checkbox"/> PLSC 4500 Fruit Production (Sp even)	3
<input type="checkbox"/> SOIL 3000 Fundamentals of Soil Science (F)	4

Requirement Changes

Graduation requirements shown on this sheet are subject to change. Students should check with their departments concerning possible changes.

Materials for Persons with Disabilities

This requirement sheet is available in digital format, recordings, or large print upon request to the USU Disability Resource Center.

For information contact

Plants, Soils, and Climate Department; AG S 322;
Utah State University; 4820 Old Main Hill; Logan UT 84322-4820;
tel. (435) 797-2233; <http://www.psc.usu.edu>