University Core and Graduation Requirements

### University Core Requirements:

#### Requirements

**#Classes** | **Hours** | **Classes**
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**Religion Cornerstones**
Teachings and Doctrine of The Book of Mormon | 1 | 2.0 | REL A 275
Jesus Christ and the Everlasting Gospel | 1 | 2.0 | REL A 250
Foundations of the Restoration | 1 | 2.0 | REL C 225
The Eternal Family | 1 | 2.0 | REL C 200

**The Individual and Society**
American Heritage | 1-2 | 3.0-6.0 | from approved list
Global and Cultural Awareness | 1 | 3.0 | from approved list

**Skills**
First Year Writing | 1 | 3.0 | from approved list
Advanced Written and Oral Communications | 1 | 3.0 | ENGL 316 or MCOM 320 recommended
Quantitative Reasoning | 1 | 3.0 | ACC 200 +
Languages of Learning (Math or Language) | 1 | 3.0 | STAT 121

**Arts, Letters, and Sciences**
Civilization 1 | 1 | 3.0 | from approved list
Civilization 2 | 1 | 3.0 | from approved list
Arts | 1 | 3.0 | from approved list
Letters | 1 | 3.0 | from approved list
Biological Science | 1 | 3.0 | from approved list
Physical Science | 2 | 6-7.0 | CHEM 101* or 105* +
Social Science | 1 | 3.0 | ECON 110 +

**Core Enrichment: Electives**
Religion Electives | 3-4 | 6.0 | from approved list
Open Electives | Variable | Variable | personal choice

FOR UNIVERSITY CORE QUESTIONS CONTACT THE ADVISEMENT CENTER — FOR PROGRAM QUESTIONS, SEE YOUR FACULTY ADVISOR.

*These classes fill both University Core and Program Requirements (9-13 hours overlap).

### Graduation Requirements:

Minimum residence hours required | 30.0
Minimum hours needed to graduate | 120.0

### Suggested Sequence of Courses

#### Freshman Year

**1st Semester**
- A HTG 100 or 1st Year Writing | 3.0
- General Education courses, university requirements, and/or general electives | 2.0
- PWS 100 | 3.0
- PWS 110 | 3.0
- Quantitative Reasoning (if needed) | 3.0
- Religion Cornerstone course | 2.0

**Total Hours**: 17.0

**2nd Semester**
- A HTG 100 or 1st Year Writing | 3.0
- ACC 200 | 3.0
- CHEM 101 or 105 | 3.0
- PWS 103 | 3.0
- Religion Cornerstone course | 2.0

**Total Hours**: 14-15.0

#### Sophomore Year

**3rd Semester**
- ECON 110 or FIN 201 or HRM 300 or MCOM 320 | 3.0
- MATH 110 (if needed) | 0-3.0
- PWS 103 | 3.0
- Religion Cornerstone course | 2.0

**Total Hours**: 13-16

**4th Semester**
- BIO 235 or PWS 105 or PWS 112 or PWS 205 or PWS 213 or PWS 380 | 3.0
- Civilization 1 | 3.0
- Major elective | 3.0
- Physical Science elective | 3.0
- Religion Cornerstone course | 2.0

**Total Hours**: 13.5-14.5

**Spring/Summer**
- Civilian | 0.5
- PWS 199R | 0.5

**Total Hours**: 0.5

Note: Students are encouraged to complete an average of 15 credit hours each semester or 30 credit hours each year, which could include spring and/or summer terms. Taking fewer credits substantially increases the cost and the number of semesters to graduate.
### REQUIREMENT 1 Complete 18 courses
- PWS 100 - Plants in the Environment 3.0
- PWS 103 - Residential Landscape Design 3.0
- PWS 110 - Sustainable Food Crop Systems 3.0
- PWS 191 - Introduction to Plant and Landscape Systems 1.0
- PWS 198R - Plant and Landscape Systems Practicum 0.5

You may take this course up to 1 time.  

- PWS 211 - Hardscape Materials and Structures 2.0

- PWS 212 - Principles of Irrigation 2.0
- PWS 214 - Bidding and Estimating 2.0
- PWS 220 - Trees 3.0
- PWS 282 - Soil Science 3.0
- PWS 283 - Soil Science Laboratory 1.0
- PWS 301 - Plant Propagation 3.0
- PWS 319 - Grasses in Urban and Natural Environments 3.0
- PWS 320 - Sustainable Plant Systems 3.0
- PWS 331 - Science of Plant Pest Control 3.0
- PWS 402 - Soils and Water in the Urban Environment 3.0
- PWS 431 - Plant Health Diagnostics 3.0
- PWS 481 - Plant and Landscape Business Systems 2.0

### REQUIREMENT 2 Complete 0.5 hours from the following course(s)
- PWS 199R - Academic Internship 3.0v

### REQUIREMENT 3 Complete 2 courses
- *ACC 200 - Principles of Accounting 3.0
- *STRAT 488 - Agribusiness Management 1 3.0

### REQUIREMENT 4 Complete 1 course
- MKTG 201 - Marketing Management 3.0
- STRAT 489 - Agribusiness Management 2 3.0

### REQUIREMENT 5 Complete 1 course
- CHEM 101 - Introductory General Chemistry 3.0
- CHEM 105 - General College Chemistry 1 with Lab (Integrated) 4.0

### REQUIREMENT 6 Complete 3 courses
- BIO 235 - Field Botany 3.0
- PWS 105 - Landscape Design Graphics 2.0
- PWS 112 - Floral Design 3.0
- PWS 205 - Landscape Computer Applications 3.0
- PWS 213 - Interior Plants and Landscapes 3.0
- PWS 380 - Plant Community Design 3.0

### REQUIREMENT 7 Complete 1 course
- *ECON 110 - Economic Principles and Problems 3.0

### FIN 201 - Principles of Finance 3.0
- *FIN 300 - Organizational Behavior 3.0
- M COM 220 - Management Communication 3.0

A MANAGEMENT MINOR IS STRONGLY RECOMMENDED

Completion of the following courses (some listed above) will meet the requirements for this minor:  
- Acc 200, Econ 110, ENT 381, Fin 201, HRM 300, Math 110, Stat 121, STRAT 489.

The following courses are also suggested:  
- ENT 301; M Com 320, StDev 150.

For students planning to pursue a master's degree in landscape architecture (MLA), the following courses are also recommended:  
- Bio 350; CFM 105; Geog 212, 310, 422; PWS 380.

For students planning to pursue a master's degree in (MS) the following courses are recommended:  
- Chem 106, 107, 351, 352, 481; Engl 316; Math 119 or Stat 121; Pscos 105, 106; PWS 440, 513.

### THE DISCIPLINE:

- Plant and Landscape Systems focuses on 1) the creation and maintenance of beautiful and environmentally sound interior and exterior landscapes and 2) indoor-agriculture technology in controlled environments.

### CAREER OPPORTUNITIES:

- The Plant and Landscape Systems (PLS) major prepares students for a wide variety of employment opportunities, including landscape design, construction, and management as well as the highly technical field of cultivating plants in controlled environments. Business courses included in the major prepare students for career advancement following graduation. For those with interests in continued formal education, the PLS degree prepares students for several graduate school opportunities, including landscape architecture, business, science, law, and medical/dental. The PLS degree is fully accredited by the National Association of Landscape Professionals (NALP).

### HANDS-ON LEARNING OPPORTUNITIES:

- Each student is required to complete at least one business-oriented internship as well as a skills-developing practicum. These experiences are an integral and valuable part of the program. Students are also encouraged to participate in extracurricular activities offered by the Plant and Landscape Systems Club, attend national professional conferences, and participate in undergraduate research with faculty mentors.

### FINANCING:

Scholarships are available for qualified students from the department, college, and university.

### HONORARY SOCIETIES AND CLUBS:

Students are encouraged to participate in the Plant and Landscape Systems Club and the National Collegiate Landscape Competition (NCLC). Several additional networking opportunities, including major-specific career fairs, provide opportunities for advancing professional preparation during the academic year. A combination of coursework and hands-on experience prepare students for certifications and licenses indicated in competency matrix spreadsheets of the major.

### MAP DISCLAIMER

While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

### DEPARTMENT INFORMATION

**Department of Plant and Wildlife Sciences**  
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### ADVISEMENT CENTER INFORMATION

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