LANDSCAPE CONTRACTING, B.S.

Begin Campus: Any Penn State Campus
End Campus: University Park

Degree Requirements
For the Bachelor of Science degree in Landscape Contracting, a minimum of 120 credits is required:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education</td>
<td>45</td>
</tr>
<tr>
<td>Electives</td>
<td>2-16</td>
</tr>
<tr>
<td>Requirements for the Major</td>
<td>80-97</td>
</tr>
</tbody>
</table>

21-24 of the 45 credits for General Education are included in the Requirements for the Major. This includes: 3 credits of GWS courses; 3-6 credits of GA courses; 3 credits of GQ courses; 9 credits of GN courses; 3 credits of GS courses.

General Education
Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all baccalaureate students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (https://bulletins.psu.edu/undergraduate/general-education/baccalaureate-degree-general-education-program/) section of the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.

Foundations (grade of C or better is required.)
- Quantification (GQ): 6 credits
- Writing and Speaking (GWS): 9 credits

Knowledge Domains
- Arts (GA): 6 credits
- Health and Wellness (GHW): 3 credits
- Humanities (GH): 6 credits
- Social and Behavioral Sciences (GS): 6 credits
- Natural Sciences (GN): 9 credits

Integrative Studies (may also complete a Knowledge Domain requirement)
- Inter-Domain or Approved Linked Courses: 6 credits

University Degree Requirements
First Year Engagement
All students enrolled in a college or the Division of Undergraduate Studies at University Park, and the World Campus are required to take 1 to 3 credits of the First-Year Seminar, as specified by their college First-Year Engagement Plan.

Other Penn State colleges and campuses may require the First-Year Seminar; colleges and campuses that do not require a First-Year Seminar provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult their academic adviser for these requirements.

Cultures Requirement
6 credits are required and may satisfy other requirements
- United States Cultures: 3 credits
- International Cultures: 3 credits

Writing Across the Curriculum
3 credits required from the college of graduation and likely prescribed as part of major requirements.

Total Minimum Credits
A minimum of 120 degree credits must be earned for a baccalaureate degree. The requirements for some programs may exceed 120 credits. Students should consult with their college or department adviser for information on specific credit requirements.

Quality of Work
Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

Limitations on Source and Time for Credit Acquisition
The college dean or campus chancellor and program faculty may require up to 24 credits of course work in the major to be taken at the location or in the college or program where the degree is earned. Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80)). For more information, check the Suggested Academic Plan for your intended program.

Requirements for the Major
To graduate, a student enrolled in the major must earn a grade of C or better in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44).

Common Requirements for the Major (All Options)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCTG 211</td>
<td>Financial and Managerial Accounting for Decision Making</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>Introductory Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 202D</td>
<td>Effective Writing: Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>HORT 410W</td>
<td>Issues in Landscape Contracting</td>
<td>3</td>
</tr>
<tr>
<td>LARCH 60</td>
<td>Cultural History of Designed Places</td>
<td>3</td>
</tr>
<tr>
<td>MATH 26</td>
<td>Plane Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>PLANT 217</td>
<td>Landscape Soil and Water Management</td>
<td>3</td>
</tr>
<tr>
<td>SOILS 101</td>
<td>Introductory Soil Science</td>
<td>3</td>
</tr>
</tbody>
</table>

Prescribed Courses: Require a grade of C or better

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT 101</td>
<td>Horticultural Science</td>
<td>3</td>
</tr>
<tr>
<td>HORT 120</td>
<td>Computer Applications for Landscape Contracting</td>
<td>2</td>
</tr>
<tr>
<td>HORT 131</td>
<td>Herbaceous Perennial and Annual Identification</td>
<td>3</td>
</tr>
</tbody>
</table>
HORT 137  Ornamental Plant Materials  3
HORT 138  Ornamental Plant Materials  3
HORT 408  Landscape Plant Establishment and Maintenance  4
HORT 468  Landscape Estimating and Bidding  2

Additional Courses
BIOL 110  Biology: Basic Concepts and Biodiversity  3-4
or BIOL 127  Introduction to Plant Biology
MKTG 220  Introduction to Selling Techniques  3
or BA 303  Marketing
TURF 100  Introduction to Turfgrass Management  3
or TURF 235  The Turfgrass
Select one of the following:  3
AGBM 101  Economic Principles of Agribusiness Decision Making
ECON 14  Principles of Economics
ECON 102  Introductory Microeconomic Analysis and Policy
ECON 104  Introductory Macroeconomic Analysis and Policy
Select one of the following:  3-4
BA 250  Small Business Management
BA 304  Management and Organization
HORT 455  Retail Horticulture Business Management
Select one of the following:  3-4
BA 241  Legal Environment of Business
& BA 242  and Social and Ethical Environment of Business
BA 243  Social, Legal, and Ethical Environment of Business
BLAW 243  Legal Environment of Business
Select one of the following:  3-5
MATH 26  Plane Trigonometry
MATH 40  Algebra, Trigonometry, and Analytic Geometry
MATH 41  Trigonometry and Analytic Geometry
MATH 140  Calculus With Analytic Geometry I
Select one of the following:  4
SPAN 1  Elementary Spanish I
SPAN 2  Elementary Spanish II
SPAN 105  Elementary Spanish I for Students in the Agricultural Sciences

Requirements for the Option
Select an option  14-26

Requirements for the Option
Design/Build Option (25-26 credits)

Prescribed Courses
ART 20  Introduction to Drawing  3
EDSGN 10  1
Prescribed Courses: Require a grade of C or better
HORT 220  CAD Applications in Landscape Contracting  3
HORT 259  Residential Landscape Planning  3
HORT 368  Landscape Planting Design  4
HORT 464  Landscape Construction I  4
HORT 466  Landscape Construction II  5
Additional Courses
Select 2-3 credits from the following:  2-3

Management Option (14-15 credits)

Prescribed Courses
ENT 313  Introduction to Entomology  2
ENT 314  Management of Insect Pests of Ornamentals  1
SOILS 401  Soil Composition and Physical Properties  3
Prescribed Courses: Require a grade of C or better
HORT 238  Turf and Ornamental Weed Control  3
HORT 250  Landscape Contracting Design/Build Principles  3
Additional Courses
PPEM 300  Horticultural Crop Diseases  2-3
or PPEM 318  Diseases of Forest and Shade Trees