LANDSCAPE DESIGN AND TURFGRASS SCIENCE MAJOR

Program Curriculum

Code	Title	Credits
Plant Science Degree Core Requirements		
ALS 1234	CALS First Year Seminar	1
or SPES 1004	First Year Seminar	
ALCE 3634	Communicating Ag and Life Sciences in Speaking	3
or ALCE 3624	Communicating Ag and Life Sciences in Writing	
BIOL 1105	Principles of Biology	3
BIOL 1106	Principles of Biology	3
ENSC 1015	Foundations of Environmental Science	3
HORT 2304	Plant Biology	3
PPWS 2104	Plants, Genes, and People	3
PPWS 4104	Plant Pathology	4
Subtotal		23
Landscape Design and Turfgrass Science Major Requirements		
AAEC 2434	Foundations of Agribusiness	3
AAEC 3454	Small Business Management and Entrepreneurship	3
CSES 2564	Turfgrass Management	3
CSES 3114	Soils	3
CSES 3124	Soils Laboratory	1
ENT 4254	Insect Pest Management	3
HORT 2224	Horticulture Science and Industry	2
HORT 2234	Environmental Factors in Horticulture	3
HORT 2244	Plant Propagation	3
Subtotal		24
Please choose between Track 1: Landscape Design or Track 2: Turfgrass Science		
Track 1: Landscape Design Requirements		
HORT 4504	Landscape Contracting	
HORT 4545	Small Scale and Residential Landscape Design	
HORT 4546	Small Scale and Residential Landscape Design	
HORT 3325	Woody Landscape Plants	
or HORT 3326	Woody Landscape Plants	
HORT 3324	Herbaceous Landscape Plants	
Track 1: Landscape Design Concentration Restricted Electives		
Select 3 credits of the following:		
ALS 3404	Ecological Agriculture: Theory and Practice	
ENT 2004	Insects and Human Society	
ENT 4264	Pesticide Usage	
CSES 2224	Foundations of Precision Agriculture	
ENSC 3644	Plant Materials for Environmental Restoration	
HORT 2144	Indoor Plants	
HORT 2164	Floral Design	
HORT 2184	Plants, Places, and Cultures in a Global Context	
HORT 4205	Public Gardens Maintenance and Management	
HORT 4206	Public Gardens Maintenance and Management	
HORT 4614	Ornamental Plant Production and Marketing	
HORT/FREC 3354	Trees in the Built Environment	
HORT 4334	Greenhouse and Controlled Environment Agriculture Management	
SPES 4964	Field Study	
or SPES 497	Independent Study	
or SPES 497	Independent Study	
or SPES 499	Undergraduate Research	
or SPES 395	Study Abroad	
Track 2: Turfgrass Science Requirements		
CSES 3564	Golf and Sports Turf Management	
CSES 4214	Soil Fertility and Management	
CSES 4864	Capstone: Crop & Soil Sciences	
Track 2: Turfgrass Science Restricted Electives		
Select 9 credit hours of the following:		
ALCE 3014	Leadership Effectiveness for Professionals in Agricultural Organizations	
ENT 2004	Insects and Human Society	
ENT 4264	Pesticide Usage	
CSES 2224	Foundations of Precision Agriculture	
HORT 2144	Indoor Plants	
HORT 2184	Plants, Places, and Cultures in a Global Context	
HORT 4205	Public Gardens Maintenance and Management	
HORT 4206	Public Gardens Maintenance and Management	
HORT 4504	Landscape Contracting	
HORT 4545	Small Scale and Residential Landscape Design	
HORT 4546	Small Scale and Residential Landscape Design	
SPES 4964	Field Study	
or SPES 497	Independent Study	
or SPES 497	Independent Study	
or SPES 499	Undergraduate Research	
or SPES 395	Study Abroad	
Subtotal		18-19
Free Electives		
Select credits to reach 120 Total Credit Hours		8-9
Subtotal		
Pathways to General Education		
Pathways Concept 1 - Discourse		
ENGL 1105	First-Year Writing (1F)	3
ENGL 1106	First-Year Writing (1F)	3
Select three credits in Pathway 1a (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G01A)		3
Pathways Concept 2 - Critical Thinking in the Humanities		
Select six credits in Pathway 2 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G02)		6
Pathways Concept 3 - Reasoning in the Social Sciences		
AAEC 1005	Economics of the Food and Fiber System	3
or ECON 2005	Principles of Economics	
Select three credits in Pathway 3 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G03)		3
Pathways Concept 4 - Reasoning in the Natural Sciences		
CHEM 1035	General Chemistry [1]	3
CHEM 1036	General Chemistry [1]	3

Pathways Concept 5 - Quantitative and Computational Thinking		
MATH 1014	Precalculus with Transcendental Functions (5F)	3
Select three credits in Pathway 5f (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G05F)		3
Select three credits in Pathway 5a (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G05A)		3
Pathways Concept 6 - Critique and Practice in Design and the Arts		
Select three credits in Pathway 6d (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G06D)		3
Select three credits in Pathway 6a (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G06A)		3
Pathways Concept 7 - Critical Analysis of Identity and Equity in the United States		
Select three credits in Pathway 7 (https://catalog.vt.edu/course-search/?attrs_pathways=attrs_pathways_G07) (may be double-counted with another Pathways concept)		3
Subtotal		
Total Credits		**118-120**

Note: Total Hours Required: 120

Satisfactory Progress

By the end of the academic year in which the student has attempted 60 credits (including transfer, advanced placement, advanced standing and credit by examination), "satisfactory progress" toward a BS PLSC degree will include:

1. At least 24 credits that apply to the Pathways of General Education
2. Passing the following courses:
   MATH 1014 Precalculus with Transcendental Functions, CHEM 1035 General Chemistry and CHEM 1036 General Chemistry, HORT 2224 Horticulture Science and Industry or HORT 2234 Environmental Factors in Horticulture or HORT 2244 Plant Propagation, 6 additional HORT courses, 6 credits from ENSC 3134 Soils in the Landscape, ENT 4254 Insect Pest Management, PPWS 4104 Plant Pathology

GPA Requirements

- Overall GPA: 2.0 (each semester in order to be in good academic standing)
- In-major GPA: 2.0 (by the time the student graduates)
  - Includes classes in: CSES, ENT, HORT, and PPWS

Language Study Requirement

Complete an 1105-1106 foreign language (e.g., FR, GR, SPAN) grouping or the equivalent.