

Landscape Architecture (BLA) Roadmap

with Pathways to General Education

FIRST YEAR

Fall

ARCH 1015: Foundation Design Laboratory	6
LAR 1264: Seeing, Understanding, Repr Landscape (P6a or 6d)	3
ENGL 1105: First-Year Writing (P1f)	3
MATH 1535: Geometry & Mathematics of Design (P5f)	3
	15

Spring

ARCH 1016: Foundation Design Laboratory	6
LAR 1254: Environment & Natural Systems	3
ENGL 1106: First-Year Writing (P1f)	3
MATH 1536: Geometry & Mathematics of Design (P5f)	3
	15

SECOND YEAR

Fall

LAR 2015: LAR Design Studio - Place & Process I	6
LAR 2254: Social & Cultural Landscapes	3
GEOS 1004: Intro to Earth Science (P4)	3
Pathway 3: _____	3
	15

Spring

LAR 2016: LAR Design Studio - Place & Process II	6
LAR 2164: Landform Function & Aesthetics	4
LAR 3044: Land Analysis & Site Planning (P5a)	3
Pathway 2: _____	3
	16

THIRD YEAR

Fall

LAR 3015: Site, Program & Community I	6
LAR 3154: Watershed Sensitive Design	4
Plant Science Restricted Elective: _____	3
Pathway 4: _____	3
	16

Spring

LAR 3016: Site, Program & Community II	6
LAR 3164: Materials, Structures, Details	4
LAR 3264: People, Community, Place	3
Plant Science Restricted Elective: _____	3
	16

Summer Session I

LAR 3954: Study Abroad (4th Year Studio Option)

FOURTH YEAR

Fall

Elective Studio	6
Pathway 1a or 2: _____	3
Pathway 3 or 7: _____	3
Elective: _____	3
	15

Spring

LAR 4014: Design & Construction Documentation	6
LAR 4034: Evolution of the Am. Landscape (P1a or 2)	3
LAR 4254: Theories of Landscape Architecture	3
Earth Science Restricted Elective: _____	3
	15

FIFTH YEAR

Fall

LAR 4084: Landscape Design and Planning Studio	6
LAR 4094: Senior Project	3
LAR 4124: Professional Practice	3
Elective: _____	3
	15

Spring

LAR 4094: Senior Project	6
Pathway 6a or 6d: _____	3
Elective: _____	3
Elective: _____	3
	15

Total Credits 153

Pathways

- 1 - Discourse (9 credits: 6 foundational + 3 advanced/applied)
- 2 - Critical Thinking in the Humanities (6 credits)
- 3 - Reasoning in the Social Sciences (6 credits)
- 4 - Reasoning in the Natural Sciences (6 credits)
- 5 - Quantitative and Computational Thinking (9 credits: 6 foundational + 3 advanced/applied)
- 6 - Critique and Practice in Design and the Arts (6 credits: 3 design + 3 arts, or 6 integrated design and arts)
- 7 - Critical Analysis of Identity and Equity in the United States (3 credits)

See <https://www.pathways.prov.vt.edu/> for list of approved courses.

As of 7/15/2019

LAR Restricted Electives

Earth Science Electives (minimum 3 credits)	Cr.	Pre- or Co-requisites	General Education	Term(s) Offered*
CSES 3134 (ENSC 3134): SOILS IN THE LANDSCAPE – <i>recommended</i> A study of soils as functional landscape components, emphasizing their physical, chemical, mineralogical, and biological properties in relation to plant growth, nutrient availability, land-use management, and soil and water quality. Primarily for FOR/FIW, LAR, and other plant/earth science related majors. May not be taken by CSES or ENSC majors. Partially duplicates 3114 and 3124.	3	Pre: One year of introductory CHEM or BIOL or GEOS		Spring
GEOS 3304 (CSES 3304) (GEOG 3304): GEOMORPHOLOGY – <i>recommended</i> Examines the variety of landforms that exist at the earth's surface. Detailed investigation of major processes operating at the earth's surface including: tectonic, weathering, fluvial, coastal, eolian, and glacial processes. Field excursion.	3	GEOS 1104 or GEOS 1004 or GEOS 2104		Fall Spring
FREC 4354: FOREST SOIL AND WATERSHED MANAGEMENT Properties and processes of soil and water in forests. Emphasis on management for the delivery of ecosystem goods and services. Includes analysis and interpretation in field and laboratory.	3	CSES 3114 or ENSC 3114 or GEOS 3614 or CSES 3134 or ENSC 3134	CLE Area 5 Pathway 5a	Fall
GEOS 3614 (CSES 3114) (ENSC 3114): SOILS Characterization of soils as a natural resource emphasizing their physical, chemical, mineralogical, and biological properties in relation to nutrient availability, fertilization, plant growth, land-use management, waste application, soil and water quality, and food production. For CSES, ENSC, and related plant- and earth-science majors. Partially duplicates CSES/ENSC 3134.	3	CHEM 1036		Fall
Plant Science Electives (minimum 6 credits)	Cr.	Pre- or Co-requisites	General Education	Term(s) Offered*
HORT 3325: WOODY LANDSCAPE PLANTS – <i>HORT 3325 or 3326 is required</i> Functions, growing requirements, hardiness, problems, and methods of identification of landscape plant materials. 3325: Commonly available woody landscape plants.	3			Fall
HORT 3326: WOODY LANDSCAPE PLANTS – <i>HORT 3325 or 3326 is required</i> Functions, growing requirements, hardiness, problems, and methods of identification of landscape plant materials. 3326: Native and rare woody landscape plants.	3			Spring
CSES 3644 (ENSC 3644): PLANT MATERIALS FOR ENVIRONMENTAL RESTORATION – <i>recommended</i> Overview of ecological principles related to revegetation and restoration of disturbed sites. Function and species requirements of plants in stabilizing disturbed areas including mines, rights-of-way, constructed wetlands, and for the remediation of contaminated soils.	3	Pre: BIOL 1106 Co: CSES 3114		Spring
HORT 2134 (FREC 2134): PLANTS AND GREENSPACES IN URBAN COMMUNITIES – <i>recommended</i> Modern concepts of sustainability changing plant use in urban settings. Fundamentals of urban plant systems in the context of urban ecosystem management. Philosophy and critical analysis of sustainability related to green infrastructure, including urban forests, green roofs, urban soils, urban wildlife, urban agriculture, and innovations merging plant and ecosystem functions with building and site engineering. Multi-disciplinary emphasis at site, regional, and global, scales.	3		CLE Area 3 Pathway 4	Fall
FREC 2314: FOREST BIOLOGY AND DENDROLOGY Introduction to the botany, physiology, genetics and silvics of important forest trees of North America.	2	Pre: BIOL 1006 or BIOL 1106 Co: FREC 2324		Fall
FREC 2324: DENDROLOGY LABORATORY Field identification of trees of North America with particular emphasis on trees native to the Eastern United States.	1			Fall Spring
HORT 2304 (BIOL 2304): PLANT BIOLOGY Introductory botany. Form, growth, function, reproduction, and ecological adaptations of major groups of plants.	3	BIOL 1105 BIOL 1106		Fall Spring

Substitutions that meet the spirit of the Earth Science or Plant Science Electives requirement will be considered upon request.

*Term course is offered is subject to change. Consult the latest timetable. When in doubt, contact the department offering the course.