Environmental Planning and Design Curriculum (573) / Environ. Geomatics

(SEBS) General Education Requirements

Requirement V1 : Interdisciplinary Critical Analysis  3 credits, 1 course
__:__:__ ___________  Junior/Senior Colloquium

Requirement V2 : Life Sciences 4 credits, 1 course
01:119:103  Principles of Biology

Requirement V3 : Physical Sciences 3 credits, 1 course*
01:450:101  Earth Systems (3) or 01:460:100  Planet Earth (3) or 01:460:101  Introductory Geology (4)

Requirement V4 : Humanities and the Arts, 6 credits, 2 courses
__:__:__ ___________  (3) May be EDA
11:550:301  Social and Cultural Aspects of Design (3)

Requirement V5 : Multicultural and International Studies, 6 credits, 2 courses
__:__:__ ___________  (3)
__:__:__ ___________  (3)

__:__:__ ___________  (3) Human Behavior
__:__:__ ___________  (3) Economic Systems
__:__:__ ___________  (3) Political Processes

Requirement V7 : Oral and Written Communication, 6 credits, 2 courses
__:__:__ ___________  (3)
__:__:__ ___________  (3)
Major Requirements:
Environmental Planning and Design, Environmental Geomatics Option

Requirement V1 : Physical Science(also fills SEBS Physical Science Requirement) 3 credits, 1 course
01:450:101 Earth Systems (3) or 01:460:100 Planet Earth (3) or 01:460:101 Introductory Geology (4)

Requirement V2 : Quantitative Methods, 4 credits, 1 course
01:640:115 Pre-calculus College Math (4), or
01:640:111 Pre-calculus I and 01:640:112 Pre-calculus College Math II

Requirement V3 : Environmental Planning and Design Core, 21 credits, 6 courses
11:372:231 Fundamentals of Environment Planning (3)
11:372:232 Fundamentals of Environmental Geomatics (3)
11:550:231 Intro. to Environmental Design I Studio (5)
Corequisite: 11:550:237 Visualization I Drawing and Drafting
11:550:233 Landscape Plants I (3)
11:550:237 Visualization I Drawing and Drafting (3) (fulfills SEBS Arts & Humanities)
11:550:241 Construction I Mapping and Engineering(4)

Requirement V4 : Geomatics Sequence 22 credits, 8 courses
01:960:401 Basic Statistics for Research (3)
Prerequisite: 01:640:115 or equivalent.
11:372:202 Environ Issues US (3)
11:372:233 Geomatics Lab (1)
11:372:362 Intermediate Environmental Geomatics (3)
11:372:369 Analytic Methods Environmental Geomatics (3)
11:372:371 Air-Photo Interpretation (3)
11:372:462 Advanced Environmental Geomatics (3)
11:372:474 Advanced Remote Sensing (3)
Requirement V5: Plants/Environment Sequence, 10 credits, 3 courses

11:372:444 Watershed Management (3)
11:670:201 Elements of Meteorology or 11:670:202 Elements of Climatology (3)
11:704:332 Plant Ecology (4) or 11:704:351 Principles of Ecology (3)
Prerequisites: 01:119:103 Principles of Biology

Free elective credits will be needed to complete the required 128 credits.

List of suggested but not required Certificates/Minors

Certificate Programs:

Environmental Planning (21)
International Agriculture/Environment (21-23)
Real Estate Development (24)
Social Strategies for Environmental Protection (27)
Urban Planning (24)

Minor Programs:

Agroecology (21-24)
Minor in Ecology and Evolution (20-25 credits)
Environmental and Business Economics (21-23)
Entomology (19-26)
Environmental Policy, Institutions, and Behavior (21)
Environmental Sciences (21 credits)
Marine Sciences (18)
Meteorology (18)
Natural Resource Management (20-25)
Plant Science (18-20)
Science and Agriculture Teacher Education (24-27)
Individualized Concentration (18-24)
List of Suggested Electives

11:216:450 Landscape Ecology  3
11:550:101 Landscape Studies  3
11:550:337 Visualization II Digital Design & Presentation (3)
11:550:371 Ag & the Landscape  3
11:550:403 Japanese Gardens  3
11:550:430 Adv. LA History  3
11:550:443 Study Abroad Studio  5
11:550:450 Advanced CAD LA  3
11:550:553 Theories of LA  3
11:550:554 Post-Industrial LA  3
11:704:403 Urban Forestry (3)

Several: Dept. of Human Ecology

Several: Bloustein School of Planning and Public Policy

Several: Dept. of Ecology, Evolution and Natural Resources and

Several: Dept. of Environmental Sciences