LARC152 Greening Cities: Who Wins, Who Loses, and Who Cares? (3 Credits)
Greening Cities can have many interpretations: improving or adding urban economic activity, realizing energy efficiency, greening urban transport systems, etc. An important component of livable and sustainable cities and metropolitan ecosystems are the plants and landscapes that are inhabited by plants. With the majority of humans now living in cities, a survey of urban ecosystem principles and an examination of design and planning strategies for plant and landscape resources in urban and metropolitan regions is critical.

Credit Only Granted for: LARC152 or PLSC289I.
Formerly: PLSC289I.

LARC160 Introduction to Landscape Architecture and Environmental Design (3 Credits)
History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences. Topics include urban, ecological, community and creative design.

LARC162 Environmental Justice: Same World, Different Built Environment (3 Credits)
Environmental Justice will be explored in the context of the built environment. What unequal public built environmental threats exist? How can these threats be prevented or eliminated? Public schools, public parks, access to clean water, air pollution, tree coverage are among the built environments examined in the course.

LARC188 Special Topics in Landscape Architecture (1-3 Credits)
A lecture course for students interested in Landscape Architecture to cover topics not formally taught in existing courses. An introductory class on a group of closely-related topics for students with an interest in this discipline.
Repeatable to: 6 credits if content differs.

LARC221 Digital Design Tools (3 Credits)
The development and application of computing skills as used by the landscape architecture profession. This Computer-Aided Design and Drafting (CADD) course develops computer drafting using a variety of software programs. It also introduces students to Geographic Information Systems (GIS) mapping technologies.
Prerequisite: LARC120 and LARC141.
Recommended: LARC240 and LARC265.
Restriction: Sophomore standing or higher; and must be in Landscape Architecture program.

LARC240 Graphic Communication and Design Studio (4 Credits)
Exploration of graphic presentation techniques and original concept development for landscape architecture planning and design.
Prerequisite: LARC141 and LARC263.
Corequisite: LARC221 and LARC265.
Restriction: Sophomore standing or higher; and must be in Landscape Architecture program.

LARC263 History of Landscape Architecture (3 Credits)
A survey of landscape architecture history from the ancient Western civilizations to the twentieth century with consideration of parallel developments in the Eastern World, European Africa and the Americas.

LARC265 Site Analysis and Ecological Principles (3 Credits)
Principles and methods of site analysis with an emphasis on the application of ecological principles in landscape architecture, architecture and planning.
Prerequisite: LARC141.
Corequisite: LARC240 and LARC221.
Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and sophomore standing or higher; and must be in Landscape Architecture program.
Credit Only Granted for: LARC265 or ARCH460.
LARC320 Principles of Site Engineering (3 Credits)
The study and application of landscape construction principles as applied to grading, drainage, site layout, storm water management, and vehicular and pedestrian circulation.
Prerequisite: LARC221.
Corequisite: LARC340.
Restriction: Must be in Landscape Architecture program; and junior standing or higher.

LARC321 Landscape Structures and Materials (3 Credits)
An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.
Prerequisite: LARC320; and LARC340.
Restriction: Must be in Landscape Architecture program.
Credit Only Granted for: LARC321 or PLSC321.

LARC340 Site Planning and Design Studio (5 Credits)
An examination of the influence of landscape character and site features (natural and cultural) on landscape architecture, architecture and planning through application in the studio setting.
Prerequisite: LARC221; and LARC240; and LARC265.
Corequisite: LARC320.
Restriction: Must be in Landscape Architecture program; and junior standing or higher.

LARC341 Regional Design Studio (5 Credits)
An examination of the landscape architect's role within the interdisciplinary regional design field incorporating GIS technologies, spatial modeling, and the regional design process.
Prerequisite: LARC320; and LARC340.
Restriction: Junior standing or higher; and must be in Landscape Architecture program.

LARC342 Site Planning and Design Seminar (1 Credit)
Formerly: LARC240.

LARC343 Sustainable Communities Seminar (1 Credit)
Formerly: LARC440.

LARC344 Sustainable Communities Seminar (1 Credit)
Formerly: LARC441.

LARC345 Sustainable Communities Seminar (1 Credit)
Formerly: LARC442.

LARC440 Urban Design Studio (5 Credits)
The landscape architect's role within the interdisciplinary urban design process, focusing on urban site design issues. Pedestrian friendly site design and the future of sustainable development will be studied.
Prerequisite: LARC321; and LARC340; and LARC341.
Restriction: Must be in Landscape Architecture program.

LARC450 Environmental Resources (3 Credits)
A review of ecosystems and an examination of planning strategies for preservation, conservation, management and development of sensitive natural and cultural landscape resources in the mid-Atlantic region.
Prerequisite: ENST200; or permission of AGNR-Plant Science & Landscape Architecture department.

LARC451 Sustainable Communities (3 Credits)
Explores concepts, strategies and examples of community design which address the needs of a growing population while preserving the environment and its resources.

LARC452 Green Infrastructure and Community Greening (3 Credits)
A critical look and exploration of green infrastructure (GI) elements in the built environment in contributing to ecosystems services and the sustainability of the built environment. The course explores the science, issues, challenges, and the policy, planning and design solutions offered by green infrastructure.
Prerequisite: PLSC100 or PLSC101; or permission of instructor.
Restriction: Junior standing or higher.
Credit Only Granted for: LARC489G or LARC452.
Formerly: LARC489G.

LARC461 People and the Environment (3 Credits)
Focus is placed on human and environmental interactions. Students will look at both natural and built environments and how they influence human health and well-being. Many environmental settings will be examined. These include hospitals, public housing neighborhoods, school settings, retirement communities, transportation corridors and green spaces. We will also explore how racial and socio-economic factors affect living and working environmental conditions. Ultimately, students will be using this knowledge to create environments that support individuals, families and various community groups' health and well-being.
Credit Only Granted for: LARC489K or LARC461.
Formerly: LARC489K.

LARC470 Landscape Architecture Seminar (3 Credits)
A combination of self-directed study, seminar, and lecture formats. An introduction to aspects of research methods, critical analysis, and proposal writing with a focus on urban and community design.
Prerequisite: LARC321; and LARC341.
Corequisite: LARC440.
Restriction: Senior standing; and must be in Landscape Architecture program.

LARC471 Capstone Studio: Community Design (5 Credits)
A capstone experience that emphasizes the integration of critical thinking skills and methodologies introduced throughout the landscape architecture curriculum. Students apply design and analysis methodologies, evaluate alternative solutions, involve community residents and engage in final design development, using the master plan and site design process, report writing, and oral and graphic presentations. Final presentations are open to the university and the community.
Prerequisite: LARC440; and LARC470.
Restriction: Senior standing; and must be in Landscape Architecture program.
LARC489 Special Topics in Landscape Architecture (1-4 Credits)
Credit according to time scheduled and organization of course. A lecture and/or studio course organized as an in-depth study of a selected specialization of landscape architecture not covered by existing courses.
Prerequisite: Permission of AGNR-Plant Science & Landscape Architecture department.
Repeatable to: 4 credits if content differs.

LARC499 Independent Studies in Landscape Architecture (1-4 Credits)
Independent studies in landscape architecture including field, studio or library research under the direction of a faculty member.
Prerequisite: 12 credits in LARC courses; or permission of AGNR-Plant Science & Landscape Architecture department.
Restriction: Must be in Landscape Architecture program; or must be in Plant Sciences program.
Repeatable to: 4 credits if content differs.