School of Architecture, Planning, and Landscape Architecture

The Bachelor of Architecture degree is awarded upon the completion of the five-year curriculum. Qualified students may elect to pursue concurrently a second bachelor of interior architecture degree.

In the United States, most state registration boards require a degree from an accredited professional degree program as a pre-requisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted a six-, three- or two-year term of accreditation, depending on its degree of conformance with established educational standards.

Doctor of Architecture and Master of Architecture degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, that when earned sequentially, constitute an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree. Auburn’s next accreditation visit for the architecture program is in 2018.

Auburn University, School of Architecture, Planning, and Landscape Architecture offers the following NAAB-accredited degree program: Bachelor of Architecture (159 credits). The four-year pre-professional Bachelor of Science in Environmental Design is not a professionally accredited degree.

Auburn University is a member of the Association of Collegiate Schools of Architecture.

Students are encouraged to work at an architect’s office, on a construction site or in another approved professional endeavor prior to their fourth year.

The bachelor of interior architecture degree program offers a holistic approach to design that focuses on the relationship between interior and exterior space. Interior Architecture students develop enhanced critical thinking abilities in relation to the construction of space, progressive materiality, sustainability, and representation. Auburn has integrated Interior Architecture and Architecture in this unique program resulting in the granting of two degrees upon completion of the fifth year of study. It is not possible to get the undergraduate degree in interior architecture without the dual Architecture professional degree. Architecture students must apply separately to the Interior Architecture Program through a competitive application process. The graduate who receives a bachelor of interior architecture degree and a bachelor of architecture degree is a person trained in interior architecture and architecture who is qualified to sit for an Architectural License Exam after completing IDP and then sit for the NCDIQ Exam for Interiors, based on a transcript review. See advisor for details.

Architecture Academic Standards and Policies

Enrollment in the second year studios is limited and eligibility for acceptance to Architecture and Interior Architecture is based on performance in courses in the first year of the model curriculum. The Architecture Program offers two options for completing the Pre-Architecture first year of the model curriculum: the Foundation Unit Studio sequence and the Summer Design Studio sequence. Placement of Pre-Architecture students into either of these entry sequences is determined by an Architecture Program committee. Information regarding the entry sequence placement process will be mailed to all Pre-Architecture students who have been admitted to Auburn on or before a date in early February preceding fall term entry. Students not participating in the Foundation Unit Studio have the opportunity to be selected to enter the design studio sequence in the summer term after their first year of enrollment. Placement in the Foundation Unit Studio Sequence will be communicated prior to Camp War Eagle. Pre-Architecture students must receive an “S” in ARCH 1000, ARCH 1010, and ARCH 1060 prior to being admitted to the ARCH 1020/ARCH 1420 course sequence. Students accepted into the Foundation Unit Studio sequence may not defer their acceptance to another academic year. Students that fail to successfully complete the fall semester studio sequence, or students not accepted into the Second Year Studio sequence at the end of the spring semester, will not be readmitted to the Foundation Unit Program. These students may elect to participate in the following Summer Design Studio session and will be required to participate in the entire summer program. Eligibility is dependent upon Summer Design criteria.

Auburn University students who successfully complete 27 hours, pass ARCH 1000, General Physics I, and Calculus I or Pre-Calculus, Algebra, Trigonometry, and achieve a minimum cumulative institutional GPA of 2.80 are eligible to be accepted into Summer Design. In the event that all available Summer Design seats are not filled based on the stated criteria, the committee may opt to fill the remaining seats based on academic performance of the applicants. Summer Design Studio sequence is divided into two sessions. During the
course of the first session each student’s work is periodically ranked relative to her/his peers. At the end of the first session the students with the highest rank-in-class are accepted into Session Two, subject to available space. Students not accepted to the Second Year Studio may elect to retake the entire sequence of courses during the following Summer Design Session if they meet the admission criteria or they may elect to change majors.

Admission to the Second Year Studio sequence is predicated on the receipt of a grade of C or better in both ARCH 1020 and ARCH 1420. The Grade Adjustment Policy may not be used to progress to Second Year Studio.

In the event a grade of D or F is received in any required course in the major, a review is required for continuance in the program. Based on the outcome of this review, a student may be required to repeat the course or, in the case of design studios, the entire studio sequence for that respective year-level. Students receiving a second D when repeating a required course will be reviewed for continuance in the program. Similarly, a student receiving a majority of grades of C or poorer may be reviewed for continuance in the program.

Students must maintain professional standards of behavior, as outlined in the Student Policy eHandbook (http://www.auburn.edu/student_info/student_policies), at all times while on university property and while participating in school sponsored trips, events, and activities. Failure to do so may be grounds for dismissal from the program.

To proceed to the beginning sequence of design studio at third, fourth, or fifth year levels, the student must have completed all required prerequisite courses for that respective year-level, as indicated in the model curriculum. Enrollment in 3000-level BSCI courses will be limited to those students with a GPA of 2.50 or above and second-year standing in design studio.

**Architecture Transfer Students**

Transfer students in Architecture must meet the minimum requirements as set by Auburn University to be admitted to the College of Architecture, Design and Construction. They will be advised to begin with the Summer Design Studio Sequence. Transfer students must also meet the minimum qualifications for admission to Summer Design. Transfer students should contact CADC Student Services no later than January to request a space in the Summer Design Studio.

Foundation Unit Studio placement for transfer candidates is determined each year by the school head, the Architecture program chair, the First-Year Program coordinator and a representative from the Office of Student Services. Up to 20 percent of Foundation Unit Studio positions may be reserved for transfers each year; however, the positions will only be filled if the transferring student’s academic performance is competitive with the Foundation Unit Studio top tier ranking students from that academic year freshman admission round. It is possible to have a Foundation Unit Studio with no transfer students. Transfers accepted into the Foundation Unit Studio Sequence may not defer their acceptance to another academic year.

Transfer students from NAAB-accredited architecture programs, in addition to meeting the minimum requirements as set by Auburn University, will be required to present a portfolio of their work to the Academic Review Committee (ARC) for evaluation. The ARC will determine the level of placement in the professional architecture design studio sequence or in the pre-architecture program.

**Special Opportunities for Qualified Architecture and Interior Architecture Students**

During the third year of design studio students may participate in at least one of a variety of field studies opportunities aimed at enriching students’ learning experience and preparing students for professional life. These opportunities include both an international studies program with a variety of options for study abroad as well as the possibility of participation in the Rural Studio - a program based in rural west Alabama where students engage local communities via hands-on service-learning projects to help meet needs of shelter and improved quality-of-life or Urban Studies - program based in Birmingham, Alabama where students engage in problems unique to the urban surroundings. In addition to the required third year opportunities, students may have additional opportunities during their fifth year of study to participate in the Rural Studio or the Auburn Center for Architecture and Urban Studies - a design center in downtown Birmingham where upper-level students and faculty engage in community-centered, service-learning activities. Participation in each of these programs is limited, and students may be allowed to participate based on academic standing, available resources, and a competitive selection process.

Professional internships with practicing architects are recommended prior to the last year of study.

**Architecture/Interior Architecture (ARIA) Academic Standards and Admission Policy**

Participation in the Interior Architecture (ARIA) program is highly selective. Students are eligible to apply for the Interior Architecture program in the spring of their second year of the Architecture Program. This policy allows for a summer ARIA thesis class size based on yearly available faculty resources.
Spring semester applications (2nd year students)

The Interior Architecture faculty will make a selection of second year students at the end of Spring semester. Class size is based on available faculty resources and may vary each year. These students will initially participate in the ARIA-designated Third Year Fall Semester Studio. Selection of students is based primarily on the ARIA faculty-comprised Admission Board’s assessment of submitted design work. The assessment will be based on the students’ statements of intent and on three projects that demonstrate a high quality of design ability. A high quality of design ability is considered to be an indication of an applicant’s capability to take on the extra degree requirements of the ARIA degree. Additionally, it is required that accepted students have completed their appropriate studio coursework and maintain a minimum 3.0 GPA for conditional acceptance into the ARIA dual degree program. The students must maintain a minimum of a 3.0 GPA in their studio coursework during the third and fourth year to proceed into the ARIA Summer Thesis semester. If a 3.0 studio GPA is not maintained, a review by the ARIA Admissions Board will be required to determine a student’s eligibility to continue in the program.

Major

- Architecture
  - Architecture (Foundation Unit) ([link](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/architecture_foundation-unit_major))
  - Architecture (Summer Design) ([link](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/architecture_summer-design_major))
- Architecture/Interior Architecture
  - Architecture/Interior Architecture (Foundation Unit) ([link](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/architectureinterior-foundationunit_major))
  - Architecture/Interior Architecture (Summer Design) ([link](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/architectureinterior-summerdesign_major))
- Environmental Design-Pre-Landscape Architecture ([link](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/environmentaldesign-prelandscapearchitecturetrack_major))
- Environmental Design ([link](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/environmentaldesign_minor))
- Industrial and Graphic Design Processes ([link](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/industrialandgraphicdesign/industrialandgraphicdesign_minor))
- History of Architecture and the Built Environment ([link](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/historyarchitectureandbuiltenvironment_minor))

Architecture Courses

ARCH 1000 CAREERS IN DESIGN AND CONSTRUCTION (1) LEC. 1, LST. 1. Introduction to the environmental design and construction professions and the curricula in the chosen field.

ARCH 1010 INTRODUCTION TO ARCHITECTURE DESIGN I (5) LEC/STU. 12. Coreq. ARCH 1060. Principles of visual organization, research and design process skills, and the graphic communication of form and ideas.

ARCH 1020 INTRODUCTION TO ARCHITECTURE DESIGN II (6) LEC. 6, LST. 12. Pr. ARCH 1010 and ARCH 1000 and ARCH 1060. Coreq. ARCH 1420. Principles of visual organization, research and design process skills, and the graphic communication of form and ideas.

ARCH 1060 VISUAL COMMUNICATION (2) LEC. 2, LEC/STU. 2. Introduction to graphic communication. Focus on developing graphic skills for the purpose of explaining form and communicating ideas via exercises in drafting, sketching, and diagramming.

ARCH 1420 INTRODUCTION TO DIGITAL MEDIA (3) LEC. 3, LST. 0. Pr. ARCH 1060. Introduction to the principles of 2-D and 3-D digital media and how these principles are utilized in architectural design.

ARCH 2010 STUDIO I (6) LEC. 2, LST. 10. Pr. ARCH 1020 and ARCH 1420. Basic issues of architectural design centered around the thoughtful creation of exterior and interior space. Studies of light, material, texture, proportion, scale, and site are integrated into each project.

ARCH 2020 STUDIO II (6) LEC. 2, LST. 10. Pr. ARCH 2010. Fundamental design process skills including observation, analysis, and synthesis.
ARCH 2110 HISTORY OF WORLD ARCHITECTURE I (3) LEC. 3. Pr. ARCH 1020. Examination of the social determinants that shape the public beliefs and practices that produce buildings.

ARCH 2117 HONORS ARCHITECTURAL HISTORY I: HISTORY OF THE BUILT ENVIRONMENT (3) LEC. 3. Pr. Honors College. ARCH 1010. Examination of the social determinants that shape the public beliefs and practices that produce buildings.

ARCH 2210 ENVIRONMENTAL CONTROLS I (3) LEC. 3. Pr. ARCH 1020. This course provides the basic knowledge and skills requisite an architect in the design of environmentally responsive buildings.

ARCH 2220 ENVIRONMENTAL CONTROLS II (3) LEC. 3. Pr. ARCH 1020. This course provides the basic knowledge and skills requisite an architect in the design of environmentally responsive buildings.

ARCH 2600 THE ART OF ARCHITECTURE, PLACE, AND CULTURE (3) LEC. 3. The interrelationship of art, architecture, place, and culture with emphasis on the art of architecture from a global multicultural perspective. Illustrated lecture, readings, and essays.

ARCH 3010 STUDIO III (6) LEC. 2, LST. 10. Pr. ARCH 2010 and ARCH 3110. Builds on ARCH 2010 and 2020. The process of making architecture through critical inquiry and investigation. The physical, social, ethical contexts that inform the design of every building.

ARCH 3020 STUDIO IV (6) LEC. 2, AAB/LST. 10. Pr. ARCH 3010 or ARIA 3020. Builds on ARCH 3010 and adds an emphasis on the integration of construction tectonics in the development of architectural form.

ARCH 3110 HISTORY OF WORLD ARCHITECTURE II (3) LEC. 3. Pr. ARCH 2110 or ARCH 2117. Introduction to key European buildings and towns from the Bronze Age to the Enlightenment. Examines how societal beliefs and practices influence the making of architecture.

ARCH 3120 HISTORY OF MODERN ARCHITECTURE (3) LEC. 3. Pr. ARCH 3110. The history of architecture, 1850-present, with an emphasis on the rise of the modern movement in Europe and the U.S.

ARCH 3320 MATERIALS AND METHODS OF CONSTRUCTION I (3) LEC. 3. Pr. ARCH 1020. The properties and potential design function of materials used in contemporary construction, with an emphasis on foundation systems, wood, and masonry.

ARCH 3410 DESSEIN ELECTIVES (3) LEC. 3. Explorations in the art of representation. Complete descriptions of specific courses and their prerequisites are available from the School of Architecture, Planning and Landscape Architecture Course may be repeated for a maximum of 9 credit hours.

ARCH 3500 SEMINAR IN METHODS AND PROCESSES (3) LEC. 3. Pr. ARCH 2020. The tools and techniques available to the design professional including specific design specializations, and design methodologies. Descriptions of specific seminars are available from the School of Architecture. Course may be repeated for a maximum of 9 credit hours.

ARCH 3600 SEMINAR IN CONTEMPORARY ISSUES (3) LEC. 3. Pr. ARCH 2020. Investigation of significant topics that present opportunities and constraints to architectural thought and practice. Course may be repeated for a maximum of 9 credit hours.

ARCH 3700 SEMINAR IN HISTORY AND THEORY (3) LEC. 3. Pr. ARCH 2010. Investigation of theories, schools or periods to examine the potential and limitations of architecture. Descriptions of specific seminars available from School of Architecture. Course may be repeated for a maximum of 9 credit hours.

ARCH 3710 SEMINAR IN HISTORICAL PERSPECTIVES (3) LEC. 3.

ARCH 3800 SEMINAR IN ASPECTS OF DESIGN (3) LEC. 3. Pr. ARCH 2020. Study of aspects of architectural design, such as form, space, style, meaning, perception, culture. Descriptions of specific seminars available from the School of Architecture. Course may be repeated for a maximum of 9 credit hours.

ARCH 4010 STUDIO V (6) LEC. 2, LST. 10. Pr. ARCH 3010 or ARIA 3020 and BSCI 3440. The comprehensive design of buildings, building complexes, and spaces in an urban context. Lectures emphasize urban issues, research methods. Programming and analysis will parallel studio projects of increasing complexity.

ARCH 4020 STUDIO VI (6) LEC. 2, AAB/LST. 10. Pr. ARCH 4010 or ARIA 4020. The design of buildings, building complexes, and spaces with emphasis on the integration of building systems and tectonic development.

ARCH 4110 HISTORY OF URBAN ARCHITECTURE (3) LEC. 3. Pr. ARCH 2110 or ARCH 2117 and ARCH 3110. The course surveys the history of the physical and formal manifestations of the urban environment from its inception to our days.
ARCH 4320 MATERIALS AND METHODS OF CONSTRUCTION II (3) LEC. 3. Pr. ARCH 3320. Properties and potential design applications of materials used in contemporary construction, with an emphasis on steel and concrete, roofing, glass and glazing, cladding, and interior finishes.

ARCH 4500 PROFESSIONAL PRACTICE (3) LEC. 3. Pr. ARCH 3020 or ARIA 3020. Architects' legal responsibilities, frameworks of professional practice, office organization, business planning, marketing, project delivery, internship and professional ethics and leadership.

ARCH 4900 DIRECTED STUDIES (1-6) AAB. Development of an area of special interest through independent study. Evaluation of the work may be by faculty jury. School approval. Course may be repeated for a maximum of 6 credit hours.

ARCH 4910 RURAL STUDIO COMPLETION (0) LEC. Completion of construction project for ARCH 4120 Elective Studio. This studio is based in the School's remote facilities in Newbern, AL.

ARCH 4960 SPECIAL PROBLEMS (1-6) LEC. Special problems Course may be repeated for a maximum of 6 credit hours.

ARCH 4997 HONORS THESIS (1-6) LEC. Pr. Honors College. Departmental approval. Course may be repeated for a maximum of 6 credit hours.


ARCH 5020 THESIS STUDIO (7) LEC. 3, AAB/LST. 10. Pr. ARCH 5010 and ARCH 5990. Exploration and development of an architectural project under the direction of a faculty member.

ARCH 5100 TEACHING METHODS (1) LEC. 1.

ARCH 5240 BEING THERE (1) LEC. 1. Course may be repeated for a maximum of 2 credit hours.

ARCH 5340 METHODS IN COMMUNITY BASED LEARNING (3) LEC. 3.

ARCH 5990 INTRODUCTION TO THESIS RESEARCH (2) LEC. 2. The tools, techniques, and strategies required to select, develop, refine, write, and present a thesis argument.

ARCH 5991 THESIS RESEARCH (1) LEC. 1. Pr. ARCH 5990. Expansion on the individual thesis argument and research begun in ARCH 5990 in parallel with the development of their thesis design project in ARCH 5020.

ARCH 7010 STUDIO I: PROJECT INITIATION (6) STU. 12. Coreq. ARCH 7210 and ARCH 7110. This is the first of three sequential design studios in which the aspects of community need, context, technical systems, and building materials are explored to develop a schematic, client-driven architectural proposal.

ARCH 7020 STUDIO II: PROJECT DEVELOPMENT (6) STU. 12. Pr. ARCH 7010 and ARCH 7110 and ARCH 7210. Coreq. ARCH 7220 and ARCH 7120. This is the second of three sequential design studios in which the aspects of community need, context, technical systems, and building materials are explored to develop a client-driven architectural proposal.

ARCH 7030 STUDIO III: PROJECT COMPLETION (6) STU. 12. Pr. ARCH 7020 and ARCH 7120 and ARCH 7210. Coreq. ARCH 7130. This is the third of three sequential design studios in which the aspects of community need, context, technical systems, and building materials are explored to develop a client-driven architectural proposal.

ARCH 7110 SEMINAR IN COLLABORATIVE DESIGN METHODS AND PROCESS (3) SEM. 3. Pr. ARCH 7010 and ARCH 7210. Coreq. ARCH 7210 and ARCH 7010. Introduction to the core theories of collaboration within interdisciplinary design and construction project teams and community-based client groups. Students develop an understanding of the fundamentals of collaborative process design, principles negotiation, communication across disciplines, and conflict resolution.

ARCH 7120 SEMINAR IN DESIGN TECTONICS (3) SEM. 3. Pr. ARCH 7010 and ARCH 7110 and ARCH 7210. Coreq. ARCH 7020 and ARCH 7220. Co-requisite adjunct to Project Development Studio. Taught as a series of workshops, this course provides the disciplinary framework necessary to apply technical research methods when evaluating options and reconciling the implications of design development decisions across systems and scales.
ARCH 7130 SEMINAR IN PROJECT COMMUNICATIONS (3) SEM. 3. Pr. ARCH 7020 and ARCH 7120 and ARCH 7220. Coreq. ARCH 7030. This course is delivered as a co-requisite adjunct to Project Completion Studio (Studio III). This course provides the disciplinary framework necessary to develop all project documentation required for project construction, delivery, record keeping, as well as future research and analysis.

ARCH 7210 EXECUTIVE ISSUES I (3) SEM. 3. Coreq. ARCH 7010 and ARCH 7110. Co-requisite adjunct to Project Initiation Studio (Studio I). Taught as a series “overlay” lectures and workshops. Provides the disciplinary framework to apply case study research methods when evaluating options and reconciling the implications of schematic design decisions across systems/scales.

ARCH 7220 EXECUTIVE ISSUES II (3) SEM. 3. Coreq. ARCH 7020 and ARCH 7120. Taught as a series “overlay” lectures and workshops. Provides the disciplinary framework necessary to apply case study research methods when evaluating options and reconciling the implications of design development decisions across systems/scales.

Interior Architecture Courses


ARIA 2160 ELEMENTS OF INTERIOR ARCHITECTURE II (3) LEC. 3. The theory of design principles, aesthetics and concepts. Graphic drawings and models of interior spaces explored. Projects outside of class.


ARIA 4020 STUDIO 6A INTERIOR ARCHITECTURE (6) LEC. 2, LST. 10. Pr. ARCH 3020 and ARCH 3320 and (ARCH 2110 or ARCH 2117) and BSCI 3400. Parallels Architecture Studio 6, with emphasis on the development of interior architecture and spaces within an urban context. Consideration will be given to adaptive reuse.

ARIA 4030 INTERIOR ARCHITECTURE THESIS (6) LEC. 3, LST. 10. Pr. ARCH 4020. Coreq. ARIA 4080. Interior design project of the student's choice, under the direction of a faculty member.

ARIA 4080 INTERIOR ARCHITECTURE THESIS RESEARCH (2) LEC. 2. Pr. ARCH 4020. Research and writing of thesis documents, to include programming, site, and case studies.

ARIA 4450 INTERIOR ARCHITECTURE PROFESSIONAL PRACTICE (2) LEC. 2. Pr. ARCH 4020. Prepares student to enter professional office with an understanding of the skills, concepts and technical knowledge expected.

ARIA 4680 HISTORY AND THEORY OF INTERIOR ARCHITECTURE (3) LEC. 3. Pr. ARCH 4020. The theory and history of interior spaces, their social, material, and aesthetic development and their artifacts.

Environmental Design Courses

ENVD 2000 ENVIRONMENTAL DESIGN CONCEPTS AND PRACTICES I (3) LEC. 3. Pr. ARCH 1000 or INDD 1120 or BSCI 1100. Or ENVD major. Core knowledge of design and construction disciplines and business practices related to human-designed environments. Includes national and global perspectives and focus on interdisciplinary studies.

ENVD 2007 ENVIRONMENTAL DESIGN CONCEPTS AND PRACTICES I (3) LEC. 3. Pr. ARCH 1000 or INDD 1120 or BSCI 1100. Or ENVD major. Core knowledge of design and construction disciplines and business practices related to human-designed environments. Includes national and global perspectives and focus on interdisciplinary studies.

ENVD 2010 INTRODUCTION TO DESIGN AND DESIGN METHODS (3) LEC. 3. Introduces students to the importance of design and basic design methods.

ENVD 2040 DESIGN, INVENTION AND SOCIETY (3) LEC. 3. Role of design and invention in society from the ancient to the contemporary world.


ENVD 2200 READINGS IN LANDSCAPE ARCHITECTURE (3) SEM. 3. Investigates the idea of landscape through a range of texts, images, and built works that have helped form, and continue to shape, our understanding of the landscape. First year of B.ENVD.
ENVD 3000 ENVIRONMENTAL DESIGN CONCEPTS AND PRACTICES II (3) LEC. 3. Pr. ENVD 2100. Departmental approval. Advanced knowledge of design, construction and planning disciplines and practice. National/global environmental design issues, focus on interdisciplinary concepts, hybrid practices, & sustainability.

ENVD 3100 CIVIC ENGAGEMENT AND RESEARCH METHODS (3) LEC. 3. Pr. ENVD 3000. Departmental approval. Civic engagement and research methods for environmental design. This is a research prep course to develop research methods, projects, and community partnerships for summer ENVD 4100 workshop capstone.

ENVD 3200 SYSTEMS IN BUILT ENVIRONMENT I (3) SEM. 2.5. Pr. ENVD 2100. Focus on research of different systems in built environments, and different research methods that can be used in design in order to understand and represent them.

ENVD 3300 SYSTEMS IN BUILT ENVIRONMENT II (3) SEM. 2.5. Pr. ENVD 2100. Focuses on application of research from design and construction disciplines in built environment through testing and prototyping, thus exploring potential for application in a larger context.

ENVD 4000 ELEMENTS OF URBAN DESIGN (3) LEC. 3. Pr. ENVD 2100. ENVD 4000 provides environmental design students with an introduction to urban design theories, methods and processes through combination of lectures and hands-on instruction.

ENVD 4010 ELEMENTS OF DESIGN THINKING AND COMMUNICATION (3) LEC. 3. This is a 3-credit hour class that builds design communication skills through a series of projects that utilize both hand-rendering and digital media.

ENVD 4017 ELEMENTS OF DESIGN THINKING AND COMMUNICATION (3) LEC. 3. This is a 3-credit hour class that builds design communication skills through a series of projects that utilize both hand-rendering and digital media.

ENVD 4100 ENVIRONMENTAL DESIGN WORKSHOP II - CAPSTONE (6) LEC. 6. Pr. ENVD 3100. Environmental design knowledge & technical skill set using principles of collaboration, leadership & effectiveness training, hands-on experience, civic engagement & design communication skills.

ENVD 4500 PROFESSIONAL PRACTICE (3) SEM. 3. Pr. ENVD 3000. Enable students to learn elements of professional communication; create persuasive portfolio of their work; and to seek, and prepare for, internship and job opportunities.

ENVD 4900 DIRECTED STUDIES (3) IND. 3. Pr. ENVD 2100. Highly focused study (design research, design research application) in an area of interest to student that is approved by, and supervised by, a faculty member with such expertise. Must be in Junior or Senior status. Course may be repeated for a maximum of 6 credit hours.

ENVD 4920 INTERNSHIP IN ENVIRONMENTAL DESIGN (1) INT. 1. SU. Faculty Approval. Internship in the areas of environmental design, as approved by faculty supervisor.

ENVD 4970 SPECIAL TOPICS IN ENVIRONMENTAL DESIGN (3) LEC. 3. AAB. 0. Topics include: digital production, portfolio making and design thinking. Course may be repeated for a maximum of 9 credit hours.

ENVD 4977 SPECIAL TOPICS IN ENVIRONMENTAL DESIGN (3) LEC. 3. Topics include: digital production, portfolio making and design thinking. Course may be repeated for a maximum of 9 credit hours.

ENVD 5030 STUDIES IN DESIGN THINKING AND ENTREPRENEURSHIP (3) SEM. 3. Study and application of design and innovation thinking in entrepreneurship, with a special emphasis on social entrepreneurship. May count either ENVD 5030 or ENVD 6030.

ENVD 5037 STUDIES IN DESIGN THINKING AND ENTREPRENEURSHIP (3) LEC. 3. Study and application of design and innovation thinking in entrepreneurship, with a special emphasis on social entrepreneurship. May count either ENVD 5030 or ENVD 6030.

Landscape Architecture Courses

LAND 5030 LANDSCAPE DESIGN METHODS (3) LEC. 9. Introduces students to skills, techniques, and ways of thinking fundamental to landscape architectural design, preparing students for future studio courses by emphasizing making, precision, experimentation, iteration, and judgment.

LAND 5040 LANDSCAPE ISSUES & PRACTICES (3) LEC. 9. Introduces students to both a selection of key issues relevant to contemporary landscape architecture and practices employed by landscape architects engaging in those issues.

LAND 5110 BASIC LANDSCAPE ARCHITECTURAL DESIGN (6) STU. 12. Landscape architectural design studio emphasizing research, planning and design problems at neighborhood to community scales.
LAND 5130 STUDIO I: FOUNDATION STUDIO (5) STU. 5. Teaches foundational skills (drawing, modeling, and multiple representational skills) that are necessary to progress into future design studios.

LAND 5131 FIELDWORK I (1) FLD. 1. Field studies and travel related to studio. May count either LAND 5131 or LAND 6131.

LAND 5140 HISTORY, THEORY, AND PRACTICE I: LANDSCAPE ARCHITECTURE AND CONTEMPORARY URBANISM (3) SEM. 3. The historical development of American urban landscapes, theoretical concepts for understanding them, and survey of related landscape architectural practice.

LAND 5150 CONSTRUCTION I: LANDFORM & HYDROLOGY (3) LEC. Departmental approval. Fundamental skills needed to analyze, understand, and manipulate landform with respect to form, grading, drainage, and stormwater management.

LAND 5160 GRAPHIC STUDIES I (2-3) LEC. Focus on basic tools and techniques for interpreting and representing landscapes: photography, field sketching, technical drawing, and mixed-media montage. Introduction to vector and raster-based software and integrated analog-digital workflows. Course may be repeated for a maximum of 3 credit hours.

LAND 5210 URBAN HOUSING STUDIO (6) STU. 12. Spatial/formal qualities of multi-unit housing utilizing the wealth of housing typologies erected in North America.

LAND 5230 STUDIO II (5) STU. 5. Iterative design processes that project and test design scenarios, refining propositions based on multiple performance criteria in relation to site specificity and community context. Departmental approval. May count either LAND 5230 or 6230.

LAND 5231 FIELDWORK II (1) FLD. 1. Field studies and travel related to studio. Departmental approval. May count either LAND 5231 or LAND 6231.

LAND 5240 HISTORY, THEORY, AND PRACTICE II: LANDSCAPE ARCHITECTURE AND CONTEMPORARY CULTURE (3) LEC. 3. Survey of the history of and theory for landscape architectural practice as it relates to contemporary American culture.

LAND 5250 CONSTRUCTION II: MATERIALS & DETAILING (3) LEC. 3. Departmental approval. Fundamentals of design detailing of site assemblies, with emphasis on material research and construction methods.

LAND 5260 GRAPHIC STUDIES III (3) SEM. 3. Pr. LAND 5150. Departmental approval. Fundamental concepts of Geographic Information Systems are used to create visual frameworks for gathering, interpreting, and sharing spatial data in landscape architecture practice.

LAND 5270 PLANT SPATIALITY (2) LEC. 2. Studies of innovative design with plants, exploring issues plant association, strata, and spatiality. Departmental approval. May count either LAND 5270 or 6270.

LAND 5280 LANDSCAPE ELEMENTS: EARTH, FIRE AND WATER (3) LEC. 3. Introduces students to the basic elements used in the design of the built landscape.

LAND 5290 GRAPHIC STUDIES II (3) LEC. 3. Focus on advanced digital methods and tools: mapping with GIS software; modeling, analysis, and rendering with Rhino and associated plugins; and photomontage, diagramming, and presentation assembly with Adobe software.

LAND 5310 INDEPENDENT STUDY THESIS (6) STU. 12. Departmental approval. Extensive exploration and development of a landscape architecture issue of the students choice beyond the level associated with entry to the profession. Level-III standing;

LAND 5330 STUDIO III (5) LEC. 5. Pr. (LAND 5230 or LAND 6230) or (P/C LAND 5331 or P/C LAND 6331). Departmental approval. Investigates eco-cultural relationships between regional, metropolitan and urban scales with emphasis on physical and social flows.

LAND 5331 FIELDWORK III (1) FLD. 1. SU. Pr. (LAND 6230 or LAND 5230) or (P/C LAND 5330 or P/C LAND 6330). Departmental approval. Field studies and travel related to studio.

LAND 5340 HISTORY, THEORY, AND PRACTICE III: PRE-MODERN LANDSCAPES (3) LEC. 3. Pr. LAND 5240. Departmental approval. Global history of landscape-making, particularly in relationship to urbanization and culture, from prehistory to the inception of modern landscape architecture.

LAND 5350 CONSTRUCTION III: HYDROLOGIES (2) LEC. 1. LAB. 2. Pr. LAND 5230. Departmental approval. This course emphasizes stormwater research, planning and design. Students learn technical skills and design techniques needed to construct projects with environmental integrity and aesthetic appeal.
LAND 5360 DYNAMIC SYSTEMS I: URBAN ECOLOGIES (3) LEC. 3. Pr. LAND 5230. Departmental approval. This course provides an overview of natural ecological systems and how they can be preserved or restored to enhance human and ecological health through sustainable design.

LAND 5370 PLANT EPHEMERALITY (2) LEC. 2. Pr. LAND 5230. Departmental approval. Studies of innovative design with plants, exploring issues of plant phenology and dynamic lifecycle conditions.

LAND 5380 PLANTS I (2-3) LEC. Departmental approval. Introduces strategies for innovative design with plants, exploring issues of plant association, starts, form, and function. Course may be repeated for a maximum of 3 credit hours.

LAND 5410 SEMINAR ON REAL ESTATE DEVELOPMENT (3) SEM. 3. Opportunity for students to further develop expertise through supervised, independent course study related to real estate development or pursue an area of interest that may not be covered in the current curriculum.

LAND 5430 URBAN THEORY (3) LEC. An introduction to contemporary theories of urban design, geography, and cultural theory using case study methods.

LAND 5500 LAND ETHICS AND ENVIRONMENTAL RESPONSIBILITY (3) LEC. 3. Explores the ethical relationship of man and nature.

LAND 5510 ENVIRONMENTAL PLANNING STUDIO (6) STU. 12. Natural systems analysis as a basis for site planning and large scale facilities design. Level-II standing.

LAND 5520 LANDSCAPE ARCHITECTURE DESIGN STUDIO (6) STU. 12. Pr. LAND 5110. A continuation of the basic design studio emphasizing research, planning, and design problems at community to regional scales.

LAND 5540 HISTORY OF LANDSCAPE ARCHITECTURE II (3) LEC. 3. Explores the built landscape from the 17th Century to the present including designs in America, Europe and Asia.

LAND 5590 INDEPENDENT STUDY THESIS (6) STU. 12. A major integrative investigation of a focused problem area, defined and pursued by the student under the direction of a faculty member.

LAND 6030 LANDSCAPE DESIGN METHODS (3) LEC. 3. Introduces students to skills, techniques, and ways of thinking fundamental to landscape architectural design, preparing students for future studio courses by emphasizing making, precision, experimentation, iteration, and judgment.

LAND 6040 LANDSCAPE ISSUES & PRACTICES (3) LEC. 3. Introduces students to both a selection of key issues relevant to contemporary landscape architecture and practices employed by landscape architects engaging in those issues.

LAND 6130 STUDIO I: FOUNDATION STUDIO (5) AAB/STU. 5. Teaches foundational skills (drawing, modeling, and multiple representational skills) that are necessary to progress into future design studios.

LAND 6131 FIELDWORK I (1) AAB/FLD. 1. Departmental approval. Field studies and travel related to studio.

LAND 6140 HISTORY, THEORY, AND PRACTICE I: LANDSCAPE ARCHITECTURE AND CONTEMPORARY URBANISM (3) AAB/SEM. 3. Pr. LAND 5230 or LAND 6230. The historical development of American urban landscapes, theoretical concepts for understanding them, and survey of related landscape architectural practice.

LAND 6150 CONSTRUCTION I: LANDFORM & HYDROLOGY (3) LEC. 3. Departmental approval. Fundamental skills needed to analyze, understand, and manipulate landform with respect to form, grading, drainage, and stormwater management.

LAND 6160 GRAPHIC STUDIES I (2-3) AAB/LEC. Focus on basic tools and techniques for interpreting and representing landscapes: photography, field sketching, technical drawing, and mixed-media montage. Introduction to vector and raster-based software and integrated analog-digital workflows. Course may be repeated for a maximum of 3 credit hours.

LAND 6170 GRAPHIC STUDIES II (3) LEC. 3. Departmental approval. Graphic and communication theories and skills in a variety of media. Photoshop, Illustrator, Indesign and AutoCAD.

LAND 6230 STUDIO II (5) STU. 5. Iterative design processes that project and test design scenarios, refining propositions based on multiple performance criteria in relation to site specificity and community context. Departmental approval. May either LAND 5230 or 6230.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>LAND 6231</td>
<td>FIELDWORK II (1) FLD. 1. Departmental approval. Field studies and travel related to studio.</td>
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<td>LAND 6240</td>
<td>HISTORY, THEORY, AND PRACTICE II: LANDSCAPE ARCHITECTURE AND CONTEMPORARY CULTURE (3) LEC. 3.</td>
<td>3</td>
<td>Survey of the history of and theory for landscape architectural practice as it relates to contemporary American culture.</td>
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<td>LAND 6250</td>
<td>CONSTRUCTION II: MATERIALS &amp; DETAILING (3) LEC. 3. Departmental approval. Fundamentals of design detailing of site assemblies, with emphasis on material research and construction methods.</td>
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<tr>
<td>LAND 6270</td>
<td>PLANT SPATIALITY (2) LEC. 2. Studies of innovative design with plants, exploring issues plant association, strata, and spatiality. Departmental approval. May count either LAND 5270 or 6270.</td>
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<td>LAND 6290</td>
<td>GRAPHIC STUDIES II (3) LEC. 3. Focus on advanced digital methods and tools: mapping with GIS software; modeling, analysis, and rendering with Rhino and associated plugins; and photomontage, diagramming, and presentation assembly with Adobe software.</td>
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<td>LAND 6330</td>
<td>STUDIO III (5) LEC. 5. Pr. LAND 5230 or LAND 6230. Departmental approval. Coreq. LAND 6331 and LAND 5331. Investigates eco-cultural relationships between regional, metropolitan and urban scales with emphasis on physical and social flows.</td>
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<td>LAND 6331</td>
<td>FIELD STUDIES III (1) FLD. 1. Pr. LAND 5230 or LAND 6230. Departmental approval. Coreq. LAND 6330 and LAND 5330. Field studies and travel related to studio.</td>
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<td>LAND 6340</td>
<td>HISTORY, THEORY, AND PRACTICE III: PRE-MODERN LANDSCAPES (3) LEC. 3. Pr. LAND 6240. Global history of landscape-making, particularly in relationship to urbanization and culture, from prehistory to the inception of modern landscape architecture. Departmental approval</td>
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<td>LAND 6350</td>
<td>CONSTRUCTION III: HYDROLOGIES (2) LEC. 1. LAB. 2. Pr. LAND 5230 or LAND 6230. Departmental approval. This course emphasizes stormwater research, planning and design. Students learn technical skills and design techniques needed to construct projects with environmental integrity and aesthetic appeal.</td>
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<td>LAND 6360</td>
<td>DYNAMIC SYSTEMS I: URBAN ECOCOLOGIES (3) LEC. 3. Pr. LAND 5230 or LAND 6230. Departmental approval. This course provides an overview of natural ecological systems and how they can be preserved or restored to enhance human and ecological health through sustainable design.</td>
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<tr>
<td>LAND 6370</td>
<td>PLANT EPHEMERALITY (2) LEC. 2. Pr. LAND 5230 or LAND 6230. Departmental approval. Studies of innovative design with plants, exploring issues of plant phenology and dynamic lifecycle conditions.</td>
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<td>LAND 6380</td>
<td>PLANTS I (2-3) LEC. Departmental approval. Introduces strategies for innovative design with plants, exploring issues of plant association, strata, form, and function. Course may be repeated for a maximum of 3 credit hours.</td>
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<td>LAND 6410</td>
<td>SEMINAR ON REAL ESTATE DEVELOPMENT (3) SEM. 3. Opportunity for students to further develop expertise through supervised, independent course study related to real estate development or pursue an area of interest that may not be covered in the current curriculum.</td>
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<td>LAND 6430</td>
<td>URBAN THEORY (3) LEC. 3. An introduction to contemporary theories of urban design, geography, and cultural theory using case study methods.</td>
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<td>LAND 7130</td>
<td>STUDIO IV (5) AAB/STU. 5. Departmental approval. Investigates design strategies and techniques for generating new resilient cultural and environmental practices within complex dynamic conditions.</td>
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<td>LAND 7131</td>
<td>FIELDWORK IV (1) AAB/FLD. 1. Pr. P/C LAND 5230. Departmental approval. Coreq. LAND 7130. Field studies and travel related to studio.</td>
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<td>LAND 7140</td>
<td>URBAN STUDIES II: GLOBAL URBANISM (3) LEC. 3. Departmental approval. Examines the major global drivers of urban change, contemporary theories of international urban design, geography and cultural theory.</td>
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<td>LAND 7170</td>
<td>PLANTS II (2-3) AAB/LEC. Departmental approval. Introduces strategies for innovative design with plants, exploring issues of plant ephemerality, functionality, and phenology. Course may be repeated for a maximum of 3 credit hours.</td>
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<td>LAND 7190</td>
<td>RESEARCH BY DESIGN: FRAMEWORKS, METHODS, AND STRATEGIES (3) SEM. 3. Design is not just about solving problems, but figuring out which questions to ask in the first place. This course guides students through the iterative process of situating, identifying, framing, and testing a student-chosen trend, topic, or question.</td>
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LAND 7230 STUDIO V: COMPREHENSIVE STUDIO (5) STU. 5. Pr. LAND 5230. The first part of a two-semester research studio which involves creating a new body of work within a theoretical context and then critically appraising this work and its theoretical framework.

LAND 7231 FIELDWORK V (1) FLD. 1. Coreq. LAND 7230. Course is directly linked to the Landscape Design Studio and offers students opportunity to travel to relevant locations to advance, contextualize, and frame the design studio. Emphasizes first-hand experiences of the landscape where careful observation and analysis occur; and introduces students to skills, techniques, and ways of thinking about site reconnaissance and gathering landscape intelligence.

LAND 7232 STUDIO V: TERMINAL (6) STU. 6. Pr. LAND 5230. Departmental approval. This is a directed studio that will ask students to look at a large site within a city and design an individual intervention that reflects the goals and objectives of that studio.

LAND 7240 THEORIES AND PRACTICES (3) SEM. 3. Departmental approval. This is a reading, writing, and discussion seminar that examines the idea that the development of a democratic, civic, diverse social ecology can create more resilient and sustainable communities.

LAND 7250 CONTEMPORARY ISSUES IN LANDSCAPE ARCHITECTURE (2) LEC. 2. Pr. LAND 5230. Departmental approval. Investigation of landscape architectural issues and topics that can be undertaken by means of design, and the development of methodologies and techniques appropriate to such investigation.

LAND 7270 CONSTRUCTION III: REGENERATIVE TECHNOLOGIES (2-3) LEC. Introduces issues of land contamination and explores remediative and regenerative technologies as design strategies towards new productive futures. Course may be repeated for a maximum of 3 credit hours.

LAND 7280 DYNAMIC SYSTEMS II: REGIONAL ECOLOGIES (3) LEC. 3. This lecture/field laboratory course examines conditions of regional ecologies at multiple scales and explores possible public and private responses to these issues.

LAND 7290 GRAPHIC STUDIES III (3) SEM. 3. Fundamental concepts of Geographic Information Systems are used to create visual frameworks for gathering, interpreting, and sharing spatial data in landscape architecture practice.

LAND 7330 STUDIO VI: COMPREHENSIVE STUDIO (5) STU. 12. Pr. LAND 5230 or LAND 6230. A culmination of a design research project that ends in a public review and exhibition.

LAND 7331 FIELDWORK VI (1) FLD. 15. Coreq. LAND 7330. Directly linked to the Landscape Design Studio and offers students opportunity to travel to relevant locations to advance, contextualize, and frame the design studio. Gets students out of the classroom and emphasizes first-hand experiences of the landscape where careful observation and analysis occur. Introduces students to skills, techniques, and ways of thinking about site reconnaissance and gathering landscape intelligence.

LAND 7332 STUDIO VI: TERMINAL (6) STU. 6. Pr. LAND 5230 or LAND 6230. Departmental approval. A directed studio that will ask students to look at a large site within a city and design an individual intervention that reflects the goals and objectives of that studio.

LAND 7340 PROFESSIONAL PRACTICE (3) LEC. 3. Pr. LAND 5230 or LAND 6230. Departmental approval. This course surveys the development and ethics of the profession of landscape architecture and presents an overview of the business and practice of the profession.

LAND 7350 LANDSCAPE COMPUTER MODELING (2) LEC. 2. Departmental approval. Three dimensional and dynamic systems modeling.

LAND 7410 SEMINAR ON HISTORY AND THEORY (3) LEC. 3. Departmental approval. Opportunity for students to further develop expertise through supervised, independent course study or pursue an area of interest that may not be covered in the current curriculum.

LAND 7420 SEMINAR ON COMMUNITY OUTREACH (3) SEM. 3. Pr. LAND 5230. Departmental approval. Opportunity for students to further develop expertise through supervised, independent course study or pursue an area of interest that may not be covered in the current curriculum. Course may be repeated for a maximum of 3 credit hours.
LAND 7440 SEMINAR ON LANDSCAPE COMMUNICATION (3) SEM. 3. Pr. LAND 5230. Departmental approval. Opportunity for students to further develop expertise through supervised, independent course study or pursue an area of interest that may not be covered in the current curriculum.

LAND 7450 SEMINAR ON LANDSCAPE RESEARCH (2-3) SEM. Pr. LAND 5230. Departmental approval. Opportunity for students to further develop expertise through supervised, independent course study or pursue an area of interest that may not be covered in the current curriculum. Course may be repeated for a maximum of 3 credit hours.

LAND 7470 LANDSCAPE ARCHITECTURE INTERNSHIP (3) PRA. 3. By approval of Chair of Landscape Architecture. A practical, professional, full-time, curriculum-related work experience in the industry of landscape architecture. Under joint supervision of employer and university. Course may be repeated for a maximum of 9 credit hours.

LAND 7530 DESIGN BUILD FELLOWSHIP (3-6) LEC/PRA. Pr. LAND 5230. Departmental approval. The design investigation and construction/installation of a landscape proposal. Course may be repeated for a maximum of 6 credit hours.

LAND 7900 DIRECTED STUDIES (1-3) AAB. An individual student can pursue an area of research beyond the required curriculum. Departmental approval; MLA II standing. Course may be repeated for a maximum of 9 credit hours.

LAND 7960 SPECIAL PROBLEMS IN LANDSCAPE ARCHITECTURE (2) LEC. 2. Departmental approval. Investigation of landscape architectural issues and topics that can be undertaken by means of design, and the development of methodologies and techniques appropriate to such investigation.

LAND 7970 SPECIAL TOPICS (1-6) AAB. Groups of student work with a specific faculty on a special topic in an area of interest. Course may be repeated for a maximum of 9 credit hours. ADDITIONAL PREREQUISITES: Departmental approval; MLA I standing.

LAND 7990 DESIGN THESIS I (6) LEC. 6.

LAND 7991 DESIGN THESIS II (8) LEC. 8.

LAND 7992 RESEARCH SUMMARY (1) LEC. 1.