

# School of Architecture, Planning, and Landscape Architecture

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

Most state registration boards in the U.S. require a National Architectural Accrediting Board (NAAB) accredited degree as a pre-requisite for licensure. The NAAB accredits 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. Auburn's next accreditation visit for the architecture program is in 2024.

Auburn University School of Architecture, Planning, and Landscape Architecture offers a NAAB-accredited, 5 year Bachelor of Architecture (159 credits) program, a four-year Bachelor of Science in Environmental Design program (This is not a professionally accredited degree.), and a four-year Bachelor of Landscape Architecture started in 2021. The landscape architecture program will pursue accreditation and anticipates being eligible to receive it in 2025.

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

The Bachelor of Interior Architecture concurrent 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 concurrent architecture professional degree. Architecture students must apply separately to the interior architecture program through a competitive application process in the spring of their 2<sup>nd</sup> year of professional architecture school. 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 the required experience hours and then sit for the NCIDQ Exam for interiors, based on a transcript review.

The Bachelor of Landscape Architecture degree program prepares students to plan, design, manage, and nurture built and natural environments. Graduates are prepared to enhance the environmental health in their communities by designing and planning parks, campuses, streetscapes, trails, plazas, and many other projects that support community wellbeing.

## 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—a program based in Birmingham, Alabama, where students engage in problems unique to the urban surroundings. In addition to the optional third year opportunities, students have the opportunity during their fifth year of study to participate in the Rural Studio or the Urban Studio, 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 are selected to participate based on a submitted application submitted in the spring of their 4<sup>th</sup> year.

Professional internships with practicing architects are recommended throughout the summers of the professional program.

## Majors

- Architecture
  - Architecture (Foundation Unit) ([http://bulletin.auburn.edu/undergraduate/collegeofarchitectureandconstruction/architecture/architecture\\_foundation-unit\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofarchitectureandconstruction/architecture/architecture_foundation-unit_major/))
  - Architecture (Summer Design) ([http://bulletin.auburn.edu/undergraduate/collegeofarchitectureandconstruction/architecture/architecture\\_summer-design\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofarchitectureandconstruction/architecture/architecture_summer-design_major/))
- Architecture/Interior Architecture
  - Architecture/Interior Architecture (Foundation Unit) ([http://bulletin.auburn.edu/undergraduate/collegeofarchitectureandconstruction/architecture/architectureinterior-foundationunit\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofarchitectureandconstruction/architecture/architectureinterior-foundationunit_major/))

- Architecture/Interior Architecture (Summer Design) ([http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/architectureinterior-summerdesign\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/architectureinterior-summerdesign_major/))
- Environmental Design ([http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/environmentaldesign\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/environmentaldesign_major/))
- Environmental Design — Pre-Landscape Architecture ([http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/environmentaldesign-prelandscapearchitecturetrack\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/environmentaldesign-prelandscapearchitecturetrack_major/))
- Landscape Architecture ([http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/Landscape\\_major/](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/Landscape_major/))

## Minors

- Environmental Design ([http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/environmentaldesign\\_minor/](http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/environmentaldesign_minor/))
- History of Architecture and the Built Environment ([http://bulletin.auburn.edu/undergraduate/collegeofarchitecturedesignandconstruction/architecture/historyarchitectureandbuiltenvironment\\_minor/](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 (6)** 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/STU. 2. Coreq. ARCH 1010. 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. Coreq. ARCH 1020. 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 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 2020 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. 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 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)** DSL/LEC. Completion of construction project for ARCH 4120 Elective Studio. This studio is based in the School's remote facilities in Newbern, AL.

**ARCH 4920 PROFESSIONAL INTERNSHIP (1-3)** INT. Departmental approval. Application of principles and theories in a professional setting. Course may be repeated for a maximum of 9 credit hours.

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

**ARCH 5010 STUDIO VII (6)** LEC. 2, AAB/LST. 10. Pr. ARCH 4020 or ARIA 4020. Advanced problem-solving in the synthesis of previous design experiences. Development of a comprehensive design project.

**ARCH 5020 THESIS STUDIO (6)** LEC. 6, AAB/LST. 13. 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 THESIS RESEARCH (3)** LEC. 3. Pr. ARCH 4020. Coreq. ARCH 5010. 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 FALL STUDIO (6)** STU. 12. This is one of three 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 SPRING STUDIO (6)** STU. 12. This is one of three 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 SUMMER STUDIO (6)** STU. 12. This is one of three 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. 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. 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. 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: DISCIPLINARY FRAMEWORK (3)** SEM. 3. 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: RESEARCH METHODS (3)** SEM. 3. 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 2150 ELEMENTS OF INTERIOR ARCH I (3)** LEC. 3. The theory of design principles, aesthetics and concepts. Graphic drawings and models of interior spaces explored. Projects outside of class.

**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 3020 STUDIO 4A INTERIOR ARCHITECTURE (6)** LEC. 2, LST. 10. Pr. ARCH 2020. Parallels Architecture Studio 4, but with an emphasis on interior architecture with exploration of detail and accommodation.

**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 3440. 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. ARIA 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. ARIA 4020. Research and writing of thesis documents, to include programming, site, and case studies.

**ARIA 4450 INTERIOR ARCHITECTURE PROFESSIONAL PRACTICE (2)** LEC. 2. Pr. ARIA 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. ARIA 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. 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 HONORS ENVIRONMENTAL DESIGN CONCEPTS AND PRACTICES I (3)** LEC. 3. 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 2100 ENVIRONMENTAL DESIGN WORKSHOP I (6)** LAB. 6. Pr. ENVD 2000. Departmental approval. Focus on general technical skill set for environmental design foundations. Digital media introduction, structure and fabrication techniques, design communication development.

**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 or ARCH 2010 or LAND 2110. ENVD 4000 provides environmental design students with an introduction to urban design theories, methods and processes through combination of lectures and on-site 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 HONORS 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. Topics include: digital production, portfolio making and design thinking. Course may be repeated for a maximum of 9 credit hours.

**ENVD 4977 HONORS 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 HONORS 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 1110 STUDIO I (4)** LEC. 3. LAB. 1. Foundation course introduces studio culture, principles and processes of visual design, and the tools and techniques of landscape architectural design.

**LAND 1160 GRAPHIC STUDIES I (2)** LEC. 1. LAB. 1. Coreq. LAND 1110. Focuses on basic tools and techniques for interpreting and representing landscapes: photography, field sketching, technical drawing, and mixed-media montage.

**LAND 1210 STUDIO II (4)** LEC. 3. LAB. 1. Pr. LAND 1110. Foundation course builds fundamental design process skills by exploring terrain and ecology through design exercises on small sites.

**LAND 1260 GRAPHIC STUDIES II (2)** LEC. 1. LAB. 1. Pr. LAND 1160. Introduces integrated analog-digital workflows. Focus on digital methods and tools: photomontage, diagramming, and presentation assembly; digital modeling, analysis, and rendering.

**LAND 2110 PLANTS AND CONSTRUCTION WORKSHOP I (5)** LEC. 4. LAB. 1. Pr. LAND 1210. Uses a field- and project- based approach to engage the medium of landscape architecture (plants, land, soils, and materials).

**LAND 2120 FIELDWORK I (1)** FLD. 1. Pr. LAND 1210. Coreq. LAND 2110. Advances program focus on landscape experience. Introduces techniques and tools for site reconnaissance: direct measurement, observation, evaluation, and synthesis.

**LAND 2140 HISTORY, THEORY, AND PRACTICE I (3)** LEC. 3. The historical development of American urban landscapes, theoretical concepts for understanding them, and survey of related landscape architectural practice.

**LAND 2210 PLANTS AND CONSTRUCTION WORKSHOP II (5)** LEC. 4. LAB. 1. Pr. LAND 2110. Focuses on landscape expression, experience, and cycles, including plant ephemerality, material assemblies, maintenance, performance, and choreography of landscape experience.

**LAND 2220 FIELDWORK II (1)** FLD. 1. Coreq. LAND 2210. Considers phenological and environmental cycles, expression of plants, materials, and atmospheres to strengthen relationships between design intention and physical expression.

**LAND 2240 HISTORY, THEORY, AND PRACTICE II (3)** LEC. 3. Pr. LAND 2140. Survey of the history of and theory for landscape architectural practice as it relates to contemporary American culture.

**LAND 3110 STUDIO III (5)** LEC. 4. LAB. 1. Pr. LAND 2210. Advanced studio introduces design research processes to investigate eco-cultural relationships between regional and urban scales with emphasis on landscape networks.

**LAND 3120 FIELDWORK III (1)** FLD. 1. Pr. LAND 2220. Coreq. LAND 3110. Expand techniques and tools for site reconnaissance: multiple site visits to develop skills, deepen inventories, and contextualize design projects.

**LAND 3160 DYNAMIC SYSTEMS I (3)** LEC. 3. Pr. LAND 2240. Establishes ecological theories as a framework for analysis of urban conditions and as a tool for decision-making and design.

**LAND 3210 STUDIO IV (5)** LEC. 4. LAB. 1. Pr. LAND 3110. Junior studio focused on processes to support design at multiple scales for resilient landscapes that integrate aesthetics, program, and performance.

**LAND 3220 FIELDWORK IV (1)** FLD. 1. Pr. LAND 3120. Coreq. LAND 3210. Expand techniques and tools for mapping large scale landscape systems. Develop documentation skills using aerial photogrammetry and advanced site visualization.

**LAND 4110 STUDIO V (5)** LEC. 4. LST. 1. Pr. LAND 3210. Comprehensive studio synthesizes skills toward landscape activism and engagement in cultural contexts of urban, ex-urban, or rural sites and systems.

**LAND 4120 FIELDWORK V (1)** FLD. 1. Pr. LAND 3220. Coreq. LAND 4110. Apply comprehensive site reconnaissance skills to gather landscape intelligence. Engage community representatives to contextualize studio work.

**LAND 4210 STUDIO VI (5)** LEC. 4. LST. 1. Pr. LAND 4110. Comprehensive studio helps students develop sophisticated design research. Students create new work and critically evaluate its theoretical context.

**LAND 4220 FIELDWORK VI (1)** FLD. 1. Coreq. LAND 4210. Use broad skills, techniques, and thinking about site reconnaissance to frame design projects. Gather and synthesize comprehensive landscape intelligence.

**LAND 4240 PROFESSIONAL PRACTICE (3)** SEM. 3. Surveys development and ethics of the landscape architecture profession, businesses, and practices, to help students plot their futures.

**LAND 4410 SEMINAR ON LANDSCAPE MATTER (3)** SEM. Departmental approval. Seminar which explores material considerations in landscape, such as material selection and performance, material assemblies, landform and grading, or designing with plants and ecological communities, as they relate to the discipline of landscape architecture and are not covered in the current curriculum. Course may be repeated for a maximum of 9 credit hours.

**LAND 4420 SEMINAR ON LANDSCAPE ADVOCACY (3)** SEM. Departmental approval. Seminar which explores a focused, advanced component of landscape advocacy, such as public interest design, community outreach, and public engagement, as they relate to the discipline of landscape architecture and are not covered in the current curriculum. Course may be repeated for a maximum of 9 credit hours.

**LAND 4430 SEMINAR ON LANDSCAPE THOUGHT (3)** SEM. Departmental approval. Seminar which explores a focused, advanced component of landscape history, landscape theory, critique, or associated discourse as it relates to the discipline of Landscape Architecture and is not covered in the current curriculum. Course may be repeated for a maximum of 9 credit hours.

**LAND 4440 SEMINAR ON LANDSCAPE REPRESENTATION (3)** SEM. Departmental approval. Seminar which explores a focused, advanced component of Landscape Representation, Graphic Communication, and/or Drawing as it relates to the discipline of Landscape Architecture and is not covered in the current curriculum. Course may be repeated for a maximum of 9 credit hours.

**LAND 4450 SEMINAR ON LANDSCAPE RESEARCH (3)** SEM. Departmental approval. Seminar which explores a focused, advanced component of Landscape Research as it relates to the discipline of Landscape Architecture and is not covered in the current curriculum. Course may be repeated for a maximum of 9 credit hours.

**LAND 4900 DIRECTED STUDIES (1-3)** IND. Departmental approval. Opportunity for students to 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.

**LAND 4920 PROFESSIONAL INTERNSHIP (1-3)** INT. SU. Departmental approval. Opportunity for students to develop expertise in professional practice under the guidance of professionals. This includes but is not limited to site design, construction documentation, client/community presentations, and project management. Course may be repeated for a maximum of 3 credit hours.

**LAND 4970 SPECIAL TOPICS IN LANDSCAPE ARCHITECTURE (3)** LEC/SEM. Departmental approval. Study of a topic of special interest in landscape architecture beyond current program course offerings. Course may be repeated for a maximum of 9 credit hours.

**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 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 5147 HONORS 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. 3. 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 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 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 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 5367 HONORS 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 5940 FIELDWORK ABROAD (3-6)** AAB. Landscape architectural fieldwork conducted in locations outside the United States. Course may be repeated for a maximum of 9 credit hours.

**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.

**LAND 6231 FIELDWORK II (1)** FLD. 1. Departmental approval. Field studies and travel related to studio.

**LAND 6240 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 6250 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 6270 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 6290 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 6330 STUDIO III (5)** LEC. 5. Pr. LAND 5230 or LAND 6230. Departmental approval. Coreq. LAND 5331 and LAND 6331. Investigates eco-cultural relationships between regional, metropolitan and urban scales with emphasis on physical and social flows.

**LAND 6331 FIELD STUDIES III (1)** FLD. 1. Pr. LAND 5230 or LAND 6230. Departmental approval. Coreq. LAND 5330 and LAND 6330. Field studies and travel related to studio.

**LAND 6340 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

**LAND 6350 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.

**LAND 6360 DYNAMIC SYSTEMS I: URBAN ECOLOGIES (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.

**LAND 6370 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.

**LAND 6380 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.

**LAND 6410 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 6940 FIELDWORK ABROAD (3-6)** AAB. Landscape architectural fieldwork conducted in locations outside the United States. Course may be repeated for a maximum of 9 credit hours.

**LAND 7130 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.

**LAND 7131 FIELDWORK IV (1)** AAB/FLD. 1. Pr. P/C LAND 5230. Departmental approval. Coreq. LAND 7130. Field studies and travel related to studio.

**LAND 7140 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.

**LAND 7170 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.

**LAND 7190 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.

**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 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 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 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.

**LAND 7430 SEMINAR ON HYDROLOGY (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 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 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 7992 RESEARCH SUMMARY (1)** LEC. 1.