

Architecture

College of Design

Master of Architecture

The Master of Architecture is a first-professional graduate degree, accredited by the National Architecture Accrediting Board (NAAB). This two-year degree comprises the second part of a sequential “4+2” curriculum, in which a student obtains a four-year (non-professional) Bachelor of Arts in Architecture and concludes with the two-year, first-professional Masters of Architecture degree. Students who receive this degree are eligible to seek professional registration as an architect.

Admission Requirements

Applicants for admission to the master of architecture degree program must hold a bachelor of arts in architecture or a bachelor of architecture degree from a NAAB-accredited institution. Admission to the program is contingent on acceptance by the graduate school at the university of kentucky. Applicants are required to submit a portfolio, a personal essay on graduate expectations, transcripts, and gre scores. Students who do not hold a bachelor of arts in architecture or bachelor of architecture degree from the university of kentucky must submit three letters of recommendation as well. Admission to the program is based on a review of the submitted materials.

Degree Requirements

To obtain the Master of Architecture degree, students must complete 57 credit hours of graduate work as described in the curriculum below. Every student must complete a Master’s Project in his or her area of concentration. Requirements for this degree are governed by and satisfy the accreditation requirements of the National Architecture Accrediting Board.

Graduate Courses

ARC 511	History And Theory Seminar: Pre-20th Century	(3)
ARC 512	History And Theory Seminar: Modern (Subtitle Required)	(3)
ARC 513	History And Theory Seminar: Contemporary (Subtitle Required)	(3)
ARC 514	History And Theory Seminar: Criticism And Theory (Subtitle Required)	(3)
ARC 515	History And Theory Seminar: Urban Forms (Subtitle Required)	(3)
ARC 533	Structural Design And Analysis II	(3)
ARC 534	Advanced Studies In Structural Systems	(3)
ARC 589	American Landscapes	(3)
ARC 599	Topics In Architecture	(3)
ARC 631	Building Systems Integration	(3)
ARC 632	Special Topics In Environmental Controls	(3)
ARC 634	Architectural Detailing	(3)
ARC 641	Professional Practice	(3)
ARC 642	Professional Internship	(3)
ARC 658	Design Studio VIII	(6)
ARC 659	Design Studio IX	(6)
ARC 699	Topics In Architecture	(3)

(3)					
ARC 709		Master's Project In Digital Visualization		(9)	
ARC 719		Master's Project In History/Theory/Criticism		(9)	
ARC 729		Master's Project In Historic Preservation		(9)	
ARC 735	Project Delivery	(3) ARC 736	Building Codes And Design	(3) ARC 738	Construction Specifications
	(3)	ARC 743	Advanced Professional Practice	(3) ARC 748	Master's Project Research
(3) ARC 750	Design Studio X: Comprehensive Studio	(6) ARC 759	Master's Project In Building Design	(9) ARC 761	Special Problems In Town Design
(9) ARC 769	Master's Project In Town Design		(3)		
ARC 799	Topics In Architecture				(9)
					(3)

Course Descriptions

ARC 510 GENERATIVE AND CRITICAL STRATEGIES. (3)

This course explores, studies, and tests various visual and analytical tools used by designers to understand their work in order to understand the relationship of form, content, and performance of a design. Students will use these tools to gain an understanding of buildings, spaces, objects, contexts, and landscapes from a wide range of cultures and time periods. Prereq: Admission to the UK School of Architecture Graduate 3+ track.

*ARC 511 HISTORY AND THEORY SEMINAR: PRE-20TH CENTURY (Subtitle required). (3)

One of a series of graduate seminars devoted to investigations and analyses of pre-twentieth century architecture. Subtitle required. May be repeated to a total of 6 credit hours under different subtitles. Prereq: Junior or Senior standing with completion of ARC 314, graduate standing, or consent of instructor or director.

*ARC 512 HISTORY AND THEORY SEMINAR: MODERN (Subtitle required). (3)

One of a series of graduate seminars devoted to investigations and analyses of modern architecture. Subtitle required. May be repeated to a total of 6 credit hours under different subtitles. Prereq: Junior or Senior standing with completion of ARC 314, graduate standing, or consent of instructor or director.

*ARC 513 HISTORY AND THEORY SEMINAR: CONTEMPORARY (Subtitle required). (3)

One of a series of graduate seminars devoted to investigations and analyses of contemporary architecture. Subtitle required. May be repeated to a total of 6 credit hours under different subtitles. Prereq: Junior or Senior standing with completion of ARC 314, graduate standing, or consent of instructor or director.

*ARC 514 HISTORY AND THEORY SEMINAR: THEORY AND CRITICISM (Subtitle required). (3)

One of a series of graduate seminars devoted to investigations and analyses of architectural theory and criticism. Subtitle required. May be repeated to a total of 6 credit hours under different subtitles. Prereq: Junior or Senior standing with completion of ARC 314, graduate standing, or consent of instructor or director.

*ARC 515 HISTORY AND THEORY SEMINAR: URBAN FORMS (Subtitle required). (3)

One of a series of graduate seminars devoted to investigations and analyses of urban forms. Subtitle required. May be repeated to a total of 6 credit hours under different subtitles. Prereq: Junior or Senior standing with completion of ARC 314, graduate standing, or consent of instructor or director.

ARC 533 STRUCTURAL DESIGN AND ANALYSIS II. (3)

An exploration of structural concepts for the materials of steel and wood, including considerations of load and resistance as factors in architectural design. Prereq: ARC 434.

ARC 534 ADVANCED STUDIES IN STRUCTURAL SYSTEMS. (3)

An exploration of structural concepts relating to construction with the materials concrete and masonry, including discussion of stress and load as considerations in architectural design. Prereq: ARC 533.

ARC 550 ACCELERATED DESIGN I. (9)

Accelerated Design I: immersion through design in the comprehensive elements that order architecture with emphasis on integrative strategies. Prereq: Admission to the UK School of Architecture Graduate 3+ track.

ARC 551 ACCELERATED DESIGN II. (9)

Accelerated Design II: an immersion in the art and science of architectural design with emphasis on integrative strategies. Prereq: Admission to the UK School of Architecture Graduate 3+ track.

ARC 584 DESIGN OF TIMBER AND MASONRY STRUCTURES. (3)

Current and historic design methods of buildings and their components using wood, wood products, bricks, and concrete blocks. Prereq: Courses in steel and reinforced concrete design at the senior level, or consent of instructor. (Same as CE 584.)

ARC 599 TOPICS IN ARCHITECTURE. (3)

This course number is to allow for new and experimental classes to be introduced into the architectural curriculum on an ad hoc basis. The course, if adopted on a permanent basis, will be formally proposed for addition to the College curriculum and assigned a new, permanent number. May be repeated to a maximum of six credits under different subtitles. Prereq: TBA.

ARC 631 BUILDING SYSTEMS INTEGRATION. (3)

Graduate level study of the art and science of building design with emphasis given to integrative strategies for developing a comprehensive, multi-systemic, architectural project. Paired with: ARC 750.

ARC 632 SPECIAL TOPICS IN ENVIRONMENTAL CONTROLS. (3)

Advanced studies in human environmental design. Topics for research and development will include sustainability, energy, infrastructure, sanitation and water, lighting, and acoustics. Subtitle required. Prereq: ARC 332 and ARC 333.

ARC 634 ARCHITECTURAL DETAILING. (3)

A study of the art and technique of complete building design through detail development. Prereq: Completion of all technical requirements for BA in Architecture or equivalent and admission to the Master of Architecture program.

ARC 641 PROFESSIONAL PRACTICE. (3)

An exploration of professional and ethical responsibilities of the architect as they pertain to the procedural matters of practice and management. Prereq: Admission to the M.Arch. program.

ARC 642 PROFESSIONAL INTERNSHIP. (3)

A graduate-level summer internship with a professional architectural firm in which the student, along with a faculty advisor, will determine specific experiential and educational goals to be met. Laboratory: hours to be agreed upon with selected firm (apx. 10-15 hrs/wk for duration of internship). Prereq: Admission to the M.Arch. program.

ARC 658 DESIGN STUDIO VIII. (6)

This graduate level studio explores various design topics including building technology, furniture design, digital visualization, historic preservation, and human settlement. Studio: 12 hours per week. Prereq: ARC 457 with a grade of C or better.

ARC 659 DESIGN STUDIO IX. (6)

This graduate level studio explores various design topics including building technology, furniture design, digital visualization, historic preservation, and human settlement. Studio: 12 hours per week. Prereq: ARC 658 with a grade of C or better.

ARC 699 TOPICS IN ARCHITECTURE. (3)

This course number is to allow for new and experimental classes to be introduced into the architectural curriculum on an ad hoc basis. The course, if adopted on a permanent basis, will be formally proposed for addition to the College curriculum and assigned a new, permanent number. May be repeated to a maximum of six credits under different subtitles. Prereq: TBA.

ARC 707 DIGITAL MEDIA: HISTORY AND THEORY. (3)

A graduate level seminar exploring the impact of digital media on visualization and the theoretical implications arising from its use as a means of visual expression. Laboratory: 6 hours per week. Prereq: ARC 406.

ARC 709 MASTER'S PROJECT IN DIGITAL VISUALIZATION. (9)

A final, comprehensive project in the digital visualization concentration, which synthesizes conceptual and experiential knowledge into a cohesive presentation. Studio: 18 hours per week. Prereq: ARC 750 and all requisite courses for the Digital Visualization concentration.

ARC 719 MASTER'S PROJECT IN HISTORY/THEORY/CRITICISM. (9)

A final, comprehensive project in the history, theory, and criticism concentration, which synthesizes conceptual and experiential knowledge into a cohesive presentation. Studio: 18 hours per week. Prereq: ARC 750 and all requisite courses for the History, Theory and Criticism concentration.

ARC 729 MASTER'S PROJECT IN HISTORIC PRESERVATION. (9)

A final, comprehensive project in the historic preservation concentration, which synthesizes conceptual and experiential knowledge into a cohesive presentation. Studio: 18 hours per week. Prereq: ARC 750 and all requisite courses for the Historic Preservation concentration.

ARC 735 PROJECT DELIVERY. (3)

A study in the execution of an architectural design including contract documents, cost estimation, and construction management. Prereq: Completion of all technical requirements for BA in Architecture or equivalent and admission to the Master of Architecture program.

ARC 736 BUILDING CODES AND DESIGN. (3)

An analysis of content and format of current model building codes combined with discussion of the necessity for building codes, problems in interpretation and applications as well as legal aspects involved. Prereq: Completion of all technical requirements for BA in Architecture or equivalent and admission to the Master of Architecture program.

ARC 738 CONSTRUCTION SPECIFICATIONS. (3)

A study in defining the quality of materials used in architectural design. Prereq: Admission to the Master of Architecture program.

ARC 743 ADVANCED PROFESSIONAL PRACTICE. (3)

A continuation of concepts introduced in ARC 641, Professional Practice, with an emphasis in issues relating to the legal, business, and organizational considerations of architectural practice as well as investigations into advocacy and the public and private leadership roles of the architect. Prereq: ARC 641.

ARC 748 MASTER'S PROJECT RESEARCH. (0)

Half-time to full-time work on Master's Project. May be repeated a maximum of six times. Prereq: All course work toward the degree must be completed.

ARC 750 DESIGN STUDIO X. (6)

Utilizing given site and program requirements, graduate students explore design issues comprehensively by producing a developed and detailed building design. Students will engage in structural design, environmental systems, life-safety and post-design assessments as required to meet the most current NAAB standards for a comprehensive studio. Studio: 12 hours per week. Prereq: ARC 659.

ARC 759 MASTER'S PROJECT IN BUILDING DESIGN. (9)

A final, comprehensive project in the building technology and tectonics concentration, which synthesizes conceptual and experiential knowledge into a cohesive presentation. Studio: 18 hours per week. Prereq: ARC 750 and all requisite courses for the Building Design concentration.

ARC 761 SPECIAL PROBLEMS IN TOWN DESIGN. (3)

Students explore various topics related to the theory and practice of existing, emerging and new strategies for city and town development, revitalization, and long-term sustainability. Subtitle required. Prereq: Admission to the Master of Architecture program.

ARC 779 MASTER'S PROJECT IN TOWN DESIGN. (9)

A final, comprehensive project in the town design concentration, which synthesizes conceptual and experiential knowledge into a cohesive presentation. Studio: 18 hours per week. Prereq: ARC 750 and all requisite courses for the Town Design concentration.

ARC 799 TOPICS IN ARCHITECTURE. (3)

This course number is to allow for new and experimental classes to be introduced into the architectural curriculum on an ad hoc basis. The course, if adopted on a permanent basis, will be formally proposed for addition to the College curriculum and assigned a new, permanent number. May be repeated to a maximum of six credits under different subtitles. Prereq: TBA.