ARCHITECTURE

http://www.arc.miami.edu

Introduction
The School of Architecture at the University of Miami offers a professional Master of Architecture degree, as well as, Master degrees in Urban Design, Real Estate Development & Urbanism, and Architecture Research.

The School of Architecture's location in Coral Gables within the Miami metropolitan area provides an outstanding laboratory for research and advanced study; the challenges of conservation and development are intense in one of the nation's fastest growing urban areas. These challenges result in an increasing demand for skilled professionals.

Students have the opportunity to work with the faculty in the exploration of theoretical issues as well as in the resolution of practical problems. The School of Architecture values and sustains a creative, open and supportive environment, emphasizing personalized instruction in small classes and studio courses.

Accreditation
The school is a member of the Association of Collegiate Schools of Architecture and the Association of Collegiate Schools of Planning, and is fully accredited by the National Architectural Accreditation Board, who asks each school to include the following paragraph on professional degrees in all literature:

In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite 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 6-year, 3-year, or 2-year term of accreditation, depending on the extent of its conformance with established educational standards. Master's degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree that, when earned sequentially, constitute an accredited professional education.

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.

Admission Requirements
Applications are for the fall semester only. Applications completed by February 1st will be given the highest priority. Admission to the graduate program is subject to the rules, regulations and procedures of the Graduate School as stipulated in the University Graduate Bulletin (http://bulletin.miami.edu/graduate-academic-programs/graduate-school). It is the responsibility of each student to understand these requirements and to ensure that they are met.

The minimum requirements for application to the Master of Architecture Degree program are:

1. 3.0 cumulative grade point average.
2. 300 cumulative Graduate Record Examination score on verbal and quantitative sections
3. International applicants and/or those whose native language is not English the TOEFL should have been taken within 2 years prior to application for admission; a minimum score of 550 (paper-based), 80 (internet-based) is required. Visit the TOEFL website, www.toefl.org (http://www.ets.org/portal/site/ets/menuitem.fab2360b1645a1de9b3a0779f1751509/?vgnextoid=69c0197a484f4010VgnVCM10000022f95190RCRD), for more information.
4. For: Master of Architecture (Advanced Standing), Urban Design, and Master of Architecture: Research - A Professional Degree in Architecture (Bachelor of Architecture or Master of Architecture) is required.

Resources
The school's resources, including a state-of-the-art computer and digital fabrication laboratories, are enhanced by the interdisciplinary opportunities offered by the other schools and colleges of the University of Miami. A distinguished faculty is joined each semester by internationally renowned visiting scholars and designers.

Other programs that offer academic opportunities for graduate architecture students include:

- Historic Preservation Certificate
- Classical Architecture Certificate
- Bachelor of Science in Architectural Engineering (BSAE)/Master of Architecture (MARCH)
- Bachelor of Architecture (BARCH)/Master of Business Administration (MBA)

Master of Architecture: Professional Degree
The Master of Architecture is designed for college graduates seeking a first professional degree in architecture. It consists of the following two tracks:

- 3-year Track: A 3-year program for students holding undergraduate degrees in non-design fields. Completion of 105 credit hours required.
- Advanced Standing 2-Year Track: A program for students holding a previous non-professional degree in architecture or a closely related field. Completion of 51-60 credit hours required.

Master's degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, compromise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.

Master of Urban Design
This concentration consists of three semesters of directed study to explore in-depth the existing state of suburbs and cities, study precedents and propose design solutions. The faculty is dedicated to seeking alternatives to modern patterns of urban growth.

The Miami metropolitan area provides a laboratory for the identification of urban problems and for the exploration of design solutions. Each
semester is comprised of a design studio and a seminar in parallel, studying both the real and ideal solutions for three aspects of town planning: new town design, housing and the redesign of existing situations. The School of Architecture faculty teaches the curriculum with field condition input from visiting faculty and other experts such as developers, marketing experts and bankers.

Master in Real Estate Development and Urbanism

An intensive one-year graduate program for students with degrees and experience in business, architecture and related fields blending the fundamentals of real estate development (finance, law, market analysis, development process) with the School’s strengths in livable community design.

Master of Science in Architecture

The Master of Science in Architecture (M.S.Arch) degree programs is structured across a 36-credit system of advanced study, typically beyond a first professional degree in architecture, engineering or closely allied profession. It is flexible to enable a student to take a core group of courses within a specialized track, as well as electives. The program may be initiated during the final semesters of the first professional degree in architecture and engineering. After foundational core coursework and electives, each student develops an individually focused thesis or a capstone project on a topic of their interest, with a faculty adviser. The M.S.Arch. program is designed to provide a skills and knowledge base for professional application as well as future advanced doctoral study.

Awards and Scholarships

All students admitted full time to the Master of Architecture program may be eligible for partial tuition scholarships and/or graduate Assistantships, based on academic record. Scholarships may vary in amounts and are intended to assist the recipient pursue studies as required by the program. Scholarships will be awarded on a competitive basis. Graduate Assistantships require service in the form of teaching, research assistance, or other appropriate educational activities as designated by the director of the graduate program.

American Institute of Architects Henry Adams Medal awarded by the American Institute of Architects to the highest ranking graduating student for scholarship and excellence in architecture. American Institute of Architects Henry Adams Certificate awarded to the second highest ranking graduating student for scholarship and excellence in architecture.

Other honors, distinctions, and awards are presented annually for excellent student performance.

Masters

Masters Degrees in Architecture

- M.Arch. Professional Degree (http://bulletin.miami.edu/graduate-academic-programs/architecture/professional-degree-march)
- M.S in Architecture (Post Professional) (http://bulletin.miami.edu/graduate-academic-programs/architecture/post-professional-degree)
- M.U.D. Master of Urban Design (http://bulletin.miami.edu/graduate-academic-programs/architecture/master-urban-design-mud)
- Master in Real Estate Development and Urbanism (http://bulletin.miami.edu/graduate-academic-programs/architecture/real-estate-development-urbanism-mr edu)

Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>ARC 601</td>
<td>Urban Design I: Urban Form and Types/Form-Based Codes</td>
<td>6</td>
<td>6 Credit Hours. Introduction to urban principles, documentation, lexicon of urbanism, urban codes, and architectural guidelines (Studio Format - Rome Program). Components: STU. Grading: GRD. Typically Offered: Summer.</td>
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<tr>
<td>ARC 602</td>
<td>Urban Design II: General Urban to Urban Core</td>
<td>6</td>
<td>6 Credit Hours. Studio projects focusing on urban retrofit and the repair of suburbia. Design topics may include typo-morphological studies, sustainable development, down-town redevelopment, neighborhood retrofit, urban agriculture, etc. Components: LEC. Grading: GRD. Typically Offered: Fall.</td>
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<tr>
<td>ARC 603</td>
<td>Urban Design III: Regional/Informal Urbanism</td>
<td>6</td>
<td>6 Credit Hours. Studio projects focusing on regional design, everyday urbanism, informalities and other urbanisms. Design topics may include open space and rural design, informal communities, affordable and manufactured housing, etc. Components: LEC. Grading: GRD. Typically Offered: Spring.</td>
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<tr>
<td>ARC 604</td>
<td>Architecture Design and Theory I</td>
<td>6</td>
<td>6 Credit Hours. Cultural, human and environment component and architectural responses to these: Social and aesthetic concepts, architectural psychology, climatic principles, programming analysis and design. Components: STU. Grading: GRD. Typically Offered: Fall.</td>
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<tr>
<td>ARC 605</td>
<td>Architecture Design and Theory II</td>
<td>6</td>
<td>6 Credit Hours. Technology component; materials, structure, and environmental control systems as a framework for architectural design. Construction materials and methods, structural systems, mechanical systems. Components: LEC. Grading: GRD. Typically Offered: Spring.</td>
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<tr>
<td>ARC 606</td>
<td>Architectural Design and Theory III</td>
<td>6</td>
<td>6 Credit Hours. Legal and economic component; government and finances as active constituents of architecture design. Zoning regulations, building codes, principles of public health, safety and welfare, market and feasibility studies. Components: LEC. Grading: GRD. Typically Offered: Fall.</td>
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ARC 607. Architecture Design. 6 Credit Hours.
Architecture Design: Comprehensive Component. Topics include zoning regulations, building codes, principles of public health, safety and welfare, market and feasibility studies.
Components: STU.
Grading: GRD.
Typically Offered: Fall.

ARC 608. Architecture Design. 6 Credit Hours.
Specialization component: student and faculty select areas of in-depth study in housing. Low-income housing, elderly housing, suburban housing, housing types, etc.
Components: STU.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 609. Architecture Design. 6 Credit Hours.
Comprehensive project. Programming, design development, formulation of alternative solutions, detailing, presentation.
Components: STU.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 610. Architecture Design Degree Project. 6 Credit Hours.
Special component: student/faculty selected area of special study.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 611. Drawing. 3 Credit Hours.
Graphic representation and exploration of visual ideas through increased awareness of visual and graphic vocabulary, stressing projections, light, shade and a shadow, perspective, and freehand sketching.
Components: STU.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

ARC 612. Advanced Visual Analysis. 3 Credit Hours.
Drawing as a means of analyzing and recording visual experience. Composition, form, light, color and drawing as a primary device in the mental registration of visual experience.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

ARC 613. Computing. 3 Credit Hours.
An introduction to new electronic design tools and technology available to architects today. Lectures on the history and future of computing in the profession.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 614. Michelangelo. 3 Credit Hours.
Drawing as a form of research across mediums to understand historical research and interpretation of Michelangelo's work.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 615. Visualization Techniques. 1 Credit Hour.
Survey of digital and analogue representation techniques for urban designers.
Components: LEC.
Grading: GRD.
Typically Offered: Summer.

ARC 616. Architectural Watercolor Renderings. 3 Credit Hours.
This course will use freehand drawing and watercolor painting as a vehicle to study and record the urban and architectural conditions of Coral Gables and other South Florida sites. Particular emphasis will be placed on the analytical potential of sketches (recording space, light, surfaces and color).
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 617. Construction Documents. 3 Credit Hours.
Working drawings and specifications. Form, content and role of constituent parts of working drawings and specifications by using case studies.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 618. Documentation of Historic Architecture. 3 Credit Hours.
Principles of preservation and restoration, research methods, measured drawings, surveying methods, case studies.
Components: LEC.
Grading: GRD.
Typically Offered: Summer.

ARC 619. Architecture and Color. 3 Credit Hours.
This course focuses on the theory and practice of color and its application to architectural design. Topics include color history from Newton through Alber, the relationship between color practice in science versus art, and the discipline of color in architecture from the Neoclassical movement through the Modern Movement.
Components: LEC.
Grading: GRD.
Typically Offered: Summer.

ARC 620. Architecture Theory. 3 Credit Hours.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 621. History-Theory II: Housing, Transportation and Infrastructure. 3 Credit Hours.
Part I: Survey of housing theories and projects with emphasis on morphological context, typology and composition - focus on topics of modernity. Part II: Introduction to thoroughfare design and walkability principles; description of urban, suburban, rural and regional infrastructure.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.
ARC 622. History-Theory III: Urban Design Theory. 3 Credit Hours.
Advanced survey of urban design theories in print and practice - emphasis on issues of modernity. (Seminar Format)
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 623. Public Participation Methods - Charrette with MRED+U Program. 3 Credit Hours.
Introduction to planning and public participation methods. Design workshop in collaboration with students in the master in Real Estate and Urbanism program. (Some travel may be required)
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 624. Architecture Theory. 3 Credit Hours.
Review and criticism of current theoretical work in architecture. Design theory, language, typology, image, form, context.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 625. Roman Architecture and Urbanism I. 3 Credit Hours.
Historical overview of architecture and town planning in ancient Rome, from the Etruscan period through the Imperial period.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 626. Landscape Arch Design II. 3 Credit Hours.
Analysis and design of landscape spaces. Topics include ecological principles, landforms and plant materials.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Summer.

ARC 627. Architecture Photography. 3 Credit Hours.
Photography with emphasis on architectural subjects. Introduction to visual principles, photographic equipment, materials, and techniques.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

ARC 628. Historic Preservation. 3 Credit Hours.
Basic design principles for the rehabilitation of historic buildings. Evaluating character-defining details; significance analysis; context of setting issues within historic districts; applying the Secretary of the Interior’s Standards for rehabilitation.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 629. Research in Design-Methods and Procedures. 3 Credit Hours.
Application of research methods and procedures to design issues. Historical, descriptive, analytic, experimental research methods; tools for data manipulation and communication.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

ARC 630. Building Technology: Materials & Methods. 3 Credit Hours.
Material characteristics of enclosure and structural systems, case studies in traditional and modern building construction; Topics include properties of building materials: wood, masonry concrete, steel and glass construction techniques; on-site and off-site processes; exterior finishes, assemblies, detailing and basic building code concepts.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

ARC 631. Building Technology II: Structural Systems. 3 Credit Hours.
Structural systems: The tectonics, patterns and behavior of the elements of building structures. Topics: Equilibrium, stability, vertical and lateral loads, building envelope and financial considerations.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 632. Building Structures I. 3 Credit Hours.
The structural behavior of simple frame structures. Topics include techniques to determine basic system layout and preliminary dimensioning of key subsystems and members.
Components: LEC.
Grading: GRD.
Typically Offered: Summer.

ARC 633. Building Structures II. 3 Credit Hours.
The structural behavior of complex structures. Topics include prestressed systems, waffle and space trusses, curved structures and longspan buildings.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Summer.

ARC 634. The Palazzo in Italian Architecture. 3 Credit Hours.
Study of the development of the Renaissance and Baroque palazzo in Rome and other important centers of art and culture. Emphasis on the socio-political context.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

ARC 635. Historic Italian Urbanism. 3 Credit Hours.
Study of Italian cities and towns from medieval to contemporary times, including a comparative analysis of history and form.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

ARC 636. Italian Gardens. 3 Credit Hours.
Study of Italian garden design during the Renaissance, Baroque and Mannerist periods. Emphasis on historical and political context.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

ARC 637. Research in Rome. 3 Credit Hours.
An exploration of Roman history, architecture and urban form through lectures, on site study and drawing assignments. Emphasis on chronological and spatial sequence of development.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.
ARC 638. Interior Architecture Design. 3 Credit Hours.
Principles and technical components of interior design. Topics include activity, analysis, finishes, furniture, fixture, lighting, and acoustics.
Components: LEC.
Grading: GRD.

ARC 639. Selected Topics in Interior Architecture Design. 3 Credit Hours.
Principles and technical components of interior design. Topics include interior volumetrics, finishes, furnishings and lighting.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 640. Seminar on Town Design. 3 Credit Hours.
Introduction to the lexicon of urbanism; analytical presentations of the concepts of: region, town, neighborhood, corridor, district, and building type; inter disciplinary presentations, review, and criticism of current town and urban design projects.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 641. Seminar on Housing. 3 Credit Hours.
Introduction to domestic building typology; exploration of the concepts of low, medium, and high density housing with attention to social, environmental, and economic issues; presentations of current case studies.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

ARC 642. Seminar on Retrofit of Suburbia. 3 Credit Hours.
Introduction to the critical reconstitution of the city; theory and history of the concepts of revitalization and redevelopment; presentations, review, and criticism of current case studies.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

ARC 643. Seminar on Town Design. 3 Credit Hours.
On site study of the architecture and urbanism of Andrea Palladio. Emphasis on the artistic precedents of the Veneto Region.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 644. The Architecture of Palladio. 3 Credit Hours.
On site study of the architecture and urbanism of Andrea Palladio. Emphasis on the artistic precedents of the Veneto Region.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 645. Urban Composition. 3 Credit Hours.
Survey and analytical review of urban rooms as the vessel of human activity in urban culture. Study of proportional and compositional aspects of urban rooms together with economic, social, and cultural factors. Readings and discussion format.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

ARC 646. Studies of Havana. 3 Credit Hours.
Analysis of the physical structure of a major city and its environments including an exploration of its history and iconographic themes, mapping and building studies.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 647. Architecture and Urban Identity. 3 Credit Hours.
Study of the relationship between architecture and urbanism focusing on the ways by which architecture provides urban identity and image of place. Case studies relating monuments, fabric and urban plans to their culture, time and place. Lecture and seminar format.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

ARC 648. Seminar in Community Development. 3 Credit Hours.
Study of the contemporary context for the development of the physical environment. Examination of public, private and third sector implementation of building and community design. Format: guest speakers, readings, discussions, and seminar.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

ARC 650. Professional Lecture Series. 3 Credit Hours.
Real estate transactions and deal structuring from the development perspective. Using the case study method, the course explores the key components and the disciplines needed for successful real estate transactions and projects.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

ARC 651. Contemporary Theories of Architecture. 3 Credit Hours.
Theoretical basis of modern architecture and different present currents and movements. Agrarianism, technism, orthodoxy, brutalism, scientism, revivalism, consumerism, rationalism, classicism.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

ARC 652. Management of Professional Practice. 3 Credit Hours.
Overview of the practice and the profession, legal and ethical concerns, business types and management practices, traditional and non-traditional practices and services, contracts and contractual relationships, disputes and risk management.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 653. Structural Design Theory. 3 Credit Hours.
Relationship of structural systems to architectural design. Case studies in the ories of structure, form and construction.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

ARC 654. Architecture of South Florida. 3 Credit Hours.
History of architecture and human settlements. Studies of significant architectural landmarks and urban design of the South Florida Region, chronological growth of Miami, Miami Beach, Coral Gables, Key West and Palm Beach.
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.
ARC 657. Design and Fabrication Techniques: Carved Panels. 3 Credit Hours.
Design, construction and detailing of wood as applied to furnishings and interiors. Focus: low and high relief carved wood panels. Workshop based course including research, exercises, measuring, documentation and a final project.
Components: LEC.
Grading: GRD.
Typically Offered: Summer.

ARC 658. Theories of Landscape Architecture. 3 Credit Hours.
Leading theories of landscape architecture which have influenced current considerations of nature, landscape and design
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 661. Building Technology I: Materials and Methods. 3 Credit Hours.
Material characteristics of enclosure and structural systems, case studies in traditional and modern building construction. Topics include properties of building materials: wood, masonry concrete, steel and glass construction techniques; on-site and off-site processes; exterior finishes; assemblies, detailing and basic building code concepts.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 662. Environmental Building Systems I. 3 Credit Hours.
Environmental and Safety Systems. Topics include mechanical - HVAC and conveyors; plumbing - fixtures and pipes; electrical - equipment and wiring design; safety systems - fire safety and emergency and signal systems.
Components: LEC.
Grading: GRD.
Typically Offered: Summer.

ARC 663. Environmental Building Systems II. 3 Credit Hours.
Principles and applications of light and acoustics. Topics include natural and artificial light - planning for sunlight, problems and solutions for interior and exterior illumination; sound - properties, problems and solutions in new and existing spaces electrical equipment and wiring design.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 664. Landscape Arch Design I. 3 Credit Hours.
Analysis and design of landscape spaces. Studies in historical precedent, gardens, parks, plazas, squares and response to architectural context.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

ARC 665. Computer Modeling. 3 Credit Hours.
Three-dimensional, computer modeling, and rendering. Lecture, problem solving exercises and laboratory.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

ARC 667. History of Architecture I: Ancient, Medieval and Renaissance. 3 Credit Hours.
Studies of the history of architecture and urban design. Focus on religious and secular monuments and their settings, domestic architecture and infrastructure, regional constructional and compositional traditions from prehistory to the end of the sixteenth century. Corequisite: ARC 501.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 668. History of Architecture II: Baroque through Contemporary. 3 Credit Hours.
Studies of the history of architecture and urban design. Focus on religious and secular monuments and their settings, domestic architecture and infrastructure, regional constructional and compositional traditions from the end sixteenth century through to the present. Corequisite: ARC 502.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 669. Directed Readings. 3 Credit Hours.
A structured program of readings and essays organized by the student and his/her graduate supervisor constituting a preparation for graduate research in the student's chosen area of interest.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 670. Modern Architecture. 3 Credit Hours.
History of architecture, landscape, and city design in the modern era.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 671. Ancient Architecture. 3 Credit Hours.
History of architecture and human settlements. Western European prehistory, Egypt, Mesopotamia, Persia, Aegean and Mediterranean, Greece, Rome.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 672. Selected Topics in World Architecture. 3 Credit Hours.
History of architecture and human settlements. Islamic Near East, North Africa, Hindu and Buddhist India, Nepal, S. E. Asia, China, Japan, Pre-Columbian America.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 673. Early Christian, Byzantine, and Medieval Architecture. 3 Credit Hours.
History of architecture and human settlements. Early Christian and Byzantine architecture in Italy, the Near East, Greece, North Africa, Eastern Europe, Medieval architecture in Western Europe.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.
ARC 674. Renaissance Architecture. 3 Credit Hours.
History of architecture and human settlements. Renaissance and Baroque architecture in Italy, France, Spain and Portugal, Great Britain, Austria, Germany, and neighboring countries.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 675. Colonial Architecture. 3 Credit Hours.
History of architecture and human settlements. Iberian and British Colonies from the 16th through the 19th centuries: North and South America, Caribbean, India and Africa.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 676. 19th and 20th Century Architecture. 3 Credit Hours.
History of architecture and human settlements. America and Europe during the 19th and 20th centuries; cultural, technological and theoretical development.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 677. The Architecture of Alvar Aalto. 3 Credit Hours.
An examination of the architecture of Alvar Aalto through the analysis of selected buildings.
Components: LEC.
Grading: GRD.
Typically Offered: Fall.

ARC 678. Italian Rationalist Architecture. 3 Credit Hours.
History of Italian architecture and urban design between 1914 and 1950: cultural, technological, and theoretical developments; relationship between architecture, politics and propaganda; related survey of the period in other countries (France, German, Soviet Union).
Components: LEC.
Grading: GRD.
Typically Offered: Offered by Announcement Only.

ARC 681. Special Problems. 3 Credit Hours.
Group or individual investigations of significant architectural issues, offered by special arrangement only.
Components: STU.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 682. Special Problems. 3 Credit Hours.
Group or individual investigations of significant architectural issues, offered by special arrangement only.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 683. Special Problems. 3 Credit Hours.
Group or individual investigations of significant architectural issues, offered by special arrangement only.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 684. Special Problems. 1-3 Credit Hours.
Group or individual investigations of significant architectural issues, offered by special arrangement only.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 685. Special Problems. 1-3 Credit Hours.
Group or individual investigations of significant architectural issues, offered by special arrangement only.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 686. Special Problems. 1-3 Credit Hours.
Group or individual investigations of significant architectural issues, offered by special arrangement only.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 689. History of Cities. 3 Credit Hours.
Historical overview of the origin of cities and the development of cities in the East, West, and New World. Focus on the nature of the industrial revolution and the development of the industrial city and contemporary urban settlement.
Components: LEC.
Grading: GRD.
Typically Offered: Fall & Spring.

ARC 690. Geographic Information Systems in Urban Design. 3.00 Credit Hours.
Exploration of Geographic Information Systems (GIS) in urban design. Principles of GIS and their application to spatial analysis, data management and visualization.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 693. Computer Animation. 3 Credit Hours.
Explores the use of computer animation and advanced visualization techniques in architecture with emphasis on texture and lighting, spatial choreography and story-boarding.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 694. Geographic Information Systems in Urban Design. 3.00 Credit Hours.
Exploration of Geographic Information Systems (GIS) in urban design. Principles of GIS and their application to spatial analysis, data management and visualization.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 695. Interactive Multimedia in Design. 3 Credit Hours.
Integration of text, video, sound, and computer graphics to create an interactive electronic information medium.
Components: LEC.
Grading: GRD.
Typically Offered: Spring.

ARC 696. Advanced Topics. 3 Credit Hours.
Subject matter offerings based upon student demand and availability of faculty. Subtitles describing the topics will be shown in the printed class schedule, following the title "Advanced Topics".
Components: LEC.
Grading: GRD.
Typically Offered: Spring.
ARC 699. Directed Research. 1-6 Credit Hours.
Individually supervised projects. Required 6 credit course for all Master of Architecture in Computing students who exercise final project rather than thesis option.
Components: STU.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 701. Masters Final Project. 6 Credit Hours.
Individually supervised projects. Required as a 6 credit course for all Master of Architecture in Computing students electing a final project.
Components: THI.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 720. Research in Residence. 1 Credit Hour.
Used to establish research in residence for the thesis or final project for the master's degree after the student has enrolled for the permissible cumulative total in ARC 699 or ARC 710 (usually six credits). Credit not granted. May be regarded as full-time residence.
Components: LEC.
Grading: GRD.
Typically Offered: Fall, Spring, & Summer.

ARC 810. Master's Thesis. 1-6 Credit Hours.
The student working on his/her master's thesis enrolls for credit, in most departments not to exceed six, as determined by his/her advisor. Credit is not awarded until the thesis has been accepted.
Components: LEC.
Grading: SUS.
Typically Offered: Fall, Spring, & Summer.