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### Architecture

The Master of Architecture degree is a first professional degree intended for individuals who have completed a pre-professional undergraduate degree in architecture or architectural studies and requires a minimum of 42 credit hours that can be completed over a 15 month period including a summer, fall, spring and summer semester sequence.

### Master of Architecture (M.Arch.)

The core of the architecture program is the design studio. In the Graduate program students are exposed to community and regional design, technology, theory, and building design. Students are required to take advanced courses in research methods, programming and professional practice. Students receive a rigorous and demanding education that will prepare them for a variety of architectural intern positions.

The focus of the program will develop through the:

- Traditional program strength in technological innovation and practice connected to architectural theory.
- Service and discovery related to the regional and global culture and environment as a unique model and framework for the study of architecture.
- Practice of Architectural design with full awareness of user needs, utilizing energy efficiency principles, using appropriate materials and technologies, and analyzing appropriate precedents.

### Accreditation

The entire undergraduate and graduate curriculum is designed to fulfill National Architectural Accrediting Board (NAAB) requirements and conditions for a professional degree in architecture. The Master of Architecture degree is fully accredited by the National Architectural Accrediting Board (NAAB) and meets educational requirements for licensure in Illinois and other states as well as National Council of Architectural Registration Boards (NCARB) certification requirements.

- *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. However, the pre-professional degree is not, by itself, recognized as an accredited degree.*
- *The NAAB grants candidacy status to new programs that have developed viable plans for achieving initial accreditation. Candidacy status indicates that a program should be accredited within 6 years of achieving candidacy, if its plan is properly implemented.*

## Vision and Mission

The SIUC architecture graduate program invites students to unleash their potential and join in the exploration, development, and creation of architecture in the heartland of America. It is our vision to be an architectural program of excellence built upon the cultural and environmental heritage of the Southern Illinois region that provides a superior education and produces the highest quality architectural scholarship and research to serve our global communities.

Through our cultural heritage, environmental context and the tradition of integrating emerging technology and innovative practice, the mission of the architecture faculty and students is to explore, create, and develop architecture as a synthesis of design excellence, artistic expression, technology and community involvement.

## Goals

- Our graduates are lifelong learners, leading citizens and professionals in communities throughout the world.
- We provide for the development of individual creativity through the expression of human, social and environmental values.
- We serve our communities through problem solving and creative efforts in the addressing of regional issues.
- We seek to fulfill the vision expressed by Ernest Boyer and Lee Mitgang in *Building Community* to:
  - Produce architecture that enhances the quality of life of our communities, serves the needs of clients, uplifts the human spirit, preserves the environment, provides social justice and expands aesthetic frontiers.
  - Pursue the scholarship of discovery, integration, application and teaching.
  - Provide a curriculum that is liberal, flexible and integrated both within the discipline of architecture and in connections with other disciplines in the design-build process.

## Admission

A complete application consists of:

1. The Master of Architecture application form
2. Graduate School application
3. Application fee of \$65
4. Portfolio
  - Examples of work should include design studio work, professional presentation drawings, and any related expressions that demonstrate the applicant's design and communication abilities. Professional work should include a statement from the employer stating the role of the applicant in the process and product of the work.
  - Preferred sizes: (8 ½" x 11") or (11" x 17"). Use a PDF file.
  - Maximum number of pages: 25
  - Covers and binding: simple and easy to read
  - Portfolios cannot be returned to the applicant.
5. Three letters of recommendation
6. Official transcripts from all institutions attended
7. Statement of purpose expressing academic and professional career goals and plans

International applicants also need to supply TOEFL (Test of English as a Foreign Language) scores that satisfy the Graduate School requirements and Certification of Finances for Admission to the Graduate College.

Graduate Record Examination (GRE) is not required for the Master of Architecture Program. However, many scholarship and fellowship opportunities do require the GRE. Applicants are encouraged to submit test scores.

Application materials are reviewed by the faculty of the School of Architecture. Each submission is evaluated individually and the decisions are based upon the quality of the portfolio, the strength of the academic record, the letters of recommendation, professional experience and the commitment and clarity expressed in the letter of intent.

## Requirements

The SIUC School of Architecture Master's of Architecture program curriculum has been created to provide a superior architectural education and satisfy the National Architectural Accrediting Board (NAAB) "Student Performance Requirements". The program offers multiple tracks (on-campus and online/ hybrid delivery options) toward degree completion, depending on entry qualifications and degree needs (outlined below). All applications will be reviewed to ascertain fulfillment of the educational criteria of the SIUC undergraduate program and accreditation standards. Based on student undergraduate credentials, multiple curricular paths are defined to address these requirements.

Candidates who have already earned a four-year pre-professional Bachelor of Science in Architectural Studies degree, or its equivalent, may be able to complete the program in as little as 15 months of study. For these students, the graduate program consists of 42 total credit hours, completed over the course of four continuous, intensive study semesters (whether online or on-campus). Students from other majors are required to complete additional coursework (see the 27- and 39-month curriculum guides), or variation, depending on an evaluation of their previous coursework. Any deficiencies will be defined upon acceptance into the program as well as the necessary course requirements to eliminate those deficiencies. Those requirements must be fulfilled prior to completion of the Master of Architecture degree.

### **Path A - 15-Month Curriculum**

**(For candidates with a 4-year pre-professional degree in architecture)**

#### **Summer I Semester**

ARC 550: Regional Architecture Studio (6 CH)

**TOTAL 6 Credit Hours**

#### **Fall I Semester**

ARC 500: Research Methods and Programming (3 CH)

ARC 541: Architectural Systems and the Environment (3 CH)

ARC 551: Comprehensive Architecture Design Studio (6 CH)

ARC 591: Architectural Professional Practice I (3 CH)

**TOTAL 15 Credit Hours**

#### **Spring I Semester**

ARC 532: Global Traditions in Architecture (3 CH)

ARC 552: Graduate Architectural Design Thesis I (6 CH)

ARC 592: Architectural Professional Practice II (3 CH)

Elective: (3 CH)

**TOTAL 15 Credit Hours**

#### **Summer II Semester**

ARC 554: Graduate Architectural Design/Thesis II (6 CH) –OR–

ARC 593: Architectural Research Paper (6 CH) –OR–

ARC 599: Thesis (6 CH)

**TOTAL 6 Credit Hours**

### **Path B - 27-Month Curriculum**

**(For candidates with a 4-year degree in interior design or an allied area of practice)**

#### **Fall I Semester**

ARC 341: Building Technology II (4 CH)

ARC 361: Architectural Structures I (3 CH)

ARC 381: Environmental Design I (2 CH)

ARC 451: Design V - Urban Design (6 CH)

**TOTAL 15 Credit Hours**

### **Spring I Semester**

ARC 342: Building Technology III (4 CH)  
ARC 362: Structures II: Wood and Concrete (3 CH)  
ARC 452: Design VI - Integration (6 CH)  
ARC 462: Architectural Structures III (3 CH)  
**TOTAL 16 Credit Hours**

### **Summer I Semester**

ARC 550: Regional Architecture Studio (6 CH)  
**TOTAL 6 Credit Hours**

### **Fall II Semester**

ARC 500: Research Methods and Programming (3 CH)  
ARC 541: Architectural Systems and the Environment (3 CH)  
ARC 551: Comprehensive Architectural Design Studio (6 CH)  
ARC 591: Architectural Professional Practice I (3 CH)  
**TOTAL 15 Credit Hours**

### **Spring II Semester**

ARC 532: Global Traditions in Architecture (3 CH)  
ARC 552: Graduate Architectural Design Thesis I (6 CH)  
ARC 592: Architectural Professional Practice II (3 CH)  
Graduate Elective (3 CH)  
**TOTAL 15 Credit Hours**

### **Summer II Semester**

ARC 554: Graduate Architectural Design/Thesis II (6 CH) –OR-  
ARC 593: Architectural Research Paper (6 CH) –OR-  
ARC 599: Thesis (6 CH)  
**TOTAL 6 Credit Hours**

### **Path C - 39-Month Curriculum**

**(For candidates with a 4-year degree in other fields of study)**

### **Summer I Semester**

ARC 121: Arch. Communication I (4 CH)  
ARC 122: Arch. Communication II (4 CH)  
**TOTAL 8 Credit Hours**

### **Fall I Semester**

ARC 231: Architectural History I (3 CH)  
ARC 251: Design I: Concept (4 CH)  
ARC 271: Computers in Architecture (3 CH)  
ARC 361: Architectural Structures I (3 CH)  
ARC 381: Environmental Design I (2 CH)  
**TOTAL 15 Credit Hours**

### **Spring I Semester**

ARC 532: Global Traditions in Architecture (3 CH)  
ARC 552: Graduate Architectural Design Thesis I (6 CH)  
ARC 592: Architectural Professional Practice II (3 CH)  
ARC 362: Structures II: Wood and Concrete (3 CH)  
**TOTAL 15 Credit Hours**

## **Summer II Semester**

No Courses Required

## **Fall II Semester**

ARC 341: Building Technology II (4 CH)  
ARC 451: Design V - Urban Design (6 CH)  
ARC 481: Environmental Design II (3 CH)  
ARC 591: Architectural Professional Practice I (3 CH)  
**TOTAL 16 Credit Hours**

## **Spring II Semester**

ARC 342: Building Technology III (4 CH)  
ARC 452: Design VI - Integration (6 CH)  
ARC 462: Architectural Structures III (3 CH)  
ARC 482: Environmental Design III (3 CH)  
**TOTAL 16 Credit Hours**

## **Summer III Semester**

ARC 550: Regional Architectural Studio (6 CH)  
**TOTAL 6 Credit Hours**

## **Fall III Semester**

ARC 500: Research Methods and Programming (3 CH)  
ARC 541: Architectural Systems and the Environment (3 CH)  
ARC 551: Comprehensive Architecture Design Studio (6 CH)  
ARC 591: Architectural Professional Practice I (3 CH)  
**TOTAL 15 Credit Hours**

## **Spring III Semester**

ARC 532: Global Traditions in Architecture (3 CH)  
ARC 552: Graduate Architectural Design Thesis I (6 CH)  
ARC 592: Architectural Professional Practice II (3 CH)  
Elective: (3)  
**TOTAL 15 Credit Hours**

## **Summer III Semester**

ARC 554: Design/Thesis II (6 CH) -OR-  
ARC 593: Architectural Research Paper (6 CH) -OR-  
ARC 599: Thesis (6 CH)  
**TOTAL 6 Credit Hours**

## **Contact**

Director of Graduate Studies  
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## Architecture Courses

**ARC500 - Research Methods and Programming** The foundational study of research methods and programming that serve architectural studies. This course investigates the co-application of multiple methodologies for the development of research topics and architectural programs. The conclusion of the course is the definition of an individual thesis project to be completed in the Graduate Program. Restricted to enrollment in M. Arch. program. Credit Hours: 3

**ARC502 - Architecture Seminar** Study of current trends and topics in architecture. Assigned readings and investigations are completed on approved topics chosen by the student. Students have the option of completing in situ study during the course. Credit Hours: 3-6

**ARC508 - Sustainable Construction Management and Green Building** This course provides an in-depth exploration of advanced methods, processes, and strategies necessary for achieving sustainability in design and construction. The curriculum covers green building practices and examines how sustainability is being implemented within the construction industry at both national and international levels. The U.S. Green Building Council Leadership in Energy and Environmental Design (LEED) rating system categories and criteria are discussed. Students who have completed ARC 412 are not eligible to enroll. Credit Hours: 3

**ARC510 - Construction Management and Operations: Construction Safety Management** Introduce principles of safety and health in the construction industry and their relationship to Construction Management and Operations (COMO). Include identification of safety and health hazards, risk reduction measures, personal protection, and safety attitudes and training. Explore Occupational Safety and Health Regulations for Construction. Credit Hours: 3

**ARC511 - Construction Management and Operations: Time, Value and Risk Management** Overview of management issues and scheduling for a project. Explain importance of time and risk management in construction and construction business. Study how fundamentals of scheduling, liability, and value are interrelated and explore impacts on project, scope, and budget. Apply constructability, sustainability, return on investment strategies, quality management terms and definitions throughout project phases. Credit Hours: 3

**ARC514 - Budget & Cost Management** Provide overview of various estimating tools and methods for managing budgets, project estimates, and costs during program, construction and facilities management phases. Identify roles and responsibilities for controlling and monitoring project cost. Identify and develop methods for creating valid project estimates and budgets. Explore Integrated Project Delivery (IPD) for budget and cost management. Credit Hours: 3

**ARC531 - Seminar: Architectural History** A seminar devoted to the teaching, investigation and discussion of the history of architecture. Students have the opportunity to investigate historical precedents and the context within which these ideas have developed. The connection to the contemporary architectural setting and current concepts will be developed and discussed. Credit Hours: 3

**ARC532 - Global Traditions in Architecture** Seminar to discuss architecture beyond the tradition of Western civilization. Focus is upon the architecture of Asia, the Middle East and North America. Primitive, pre-industrial vernacular as well as cultural specific high style architecture is included. The course format is: lectures, assigned reading, class discussion and individual research reports. Credit Hours: 3

**ARC541 - Architectural Systems and the Environment** Provides an overview of building technology and systems and the role of building systems performance in providing architectural and human environments and their subsequent impact upon the natural environment. The course builds upon the philosophical ideas of sustainable design and resource consumption tools. Prerequisite: ARC 550. Concurrent Enrollment: ARC 551 allowed. Credit Hours: 3

**ARC550 - Regional Architecture Studio** Architectural design studio focused upon regional architecture and planning. The studio addresses regional architectural issues building upon the local culture and design traditions. Restricted to enrollment in the M.Arch. program. Studio fee: \$72. Credit Hours: 6

**ARC551 - Comprehensive Architecture Design Studio** Architectural design studio focused upon comprehensive design of a large-scale urban building as fulfillment of the total integration of architectural systems and design criteria. This course serves as the culmination of the fulfillment of student performance criteria through the integration of all major building and urban systems while addressing the current human, social, and environmental issues. Prerequisite: ARC 550. Co-requisite: ARC 541 allowed. Restricted to enrollment in M.Arch. program. Studio fee: \$72. Credit Hours: 6

**ARC552 - Graduate Architectural Design Thesis I** Initial development of individual design thesis project in a studio setting. The studio will consist of design project or an individual student thesis project as developed in ARC 500-3. Approval of thesis project by graduate faculty is required. Prerequisite: ARC 500 and 551. Restricted to enrollment in M.Arch. program. Studio fee: \$72. Credit Hours: 6

**ARC554 - Graduate Architectural Design/Thesis II** A continuation of ARC 552 in the conclusion, presentation and final approval of the individual design/thesis project in a studio setting. This course is taken by students who wish to graduate through the school. Prerequisite: ARC 552. Studio fee: \$72. Credit Hours: 6

**ARC557 - Graduate Vertical Architectural Design** This course is designed as a fast-paced, flexible leveling design studio for individual candidates from architectural related degree programs who need to meet additional student performance criteria for graduate school entry. As an integrative studio, it further builds on individual capacities, progresses communication and design skills, while addressing complexities of modern architectural programs and design methodologies required to prepare students for advanced architectural expectations. The course engages rigorous research, analysis and synthesis within an urban building context, while emphasizing the integration of environmental and architectural systems into a comprehensive design. Documentation in appropriate technologies, emphasizing advanced critical thinking, communication skills, and multi-dimensional problem-solving capacities, are required and will be formally presented for review. \$12 Studio fee. Credit Hours: 6-12

**ARC570 - Architectural Visualization** This course is designed to give the student a fundamental understanding of the practices of 3D architectural modeling and visualization. Themes emphasized are: 3D modeling; still frame rendering; animation production; image editing and post production. Restricted to enrollment in M.Arch. program. Credit Hours: 3

**ARC581 - Special Projects** Investigation of individual problems in architecture under the supervision of a faculty member. Restricted to M.Arch. majors. Special approval needed from the instructor. Credit Hours: 1-12

**ARC582 - Special Readings in Architecture** Assigned readings in an area of architecture under the supervision of a faculty member. Restricted to M.Arch. majors. Special approval needed from the instructor. Credit Hours: 1-6

**ARC583 - Environmental Design II: Energy and Systems** The study of the influence of energy, human comfort, climate, context, heating, cooling and water on the design of buildings and sites. The design of passive and active environmental systems and strategies for sustainability. Restricted to major. Credit Hours: 3

**ARC584 - Environmental Design III: Lighting and Acoustics** This course provides a comprehensive overview of the study of the influences of energy, human comfort, climate, and context, luminous and sonic environment with emphasis on energy-conscious design. Restricted to major. Credit Hours: 3

**ARC591 - Architectural Professional Practice I** Introduction to the organization, management, and practice of architecture as a business and profession. Emphasis is placed on the range of services provided, professional ethics, business management, marketing, contracts and negotiations, design cost analysis/controls, and other aspects of professional practice. Students who have completed ID 471 are ineligible to enroll. Restricted to enrollment in M.Arch. program. Credit Hours: 3

**ARC592 - Architectural Professional Practice II** The development of the study and discussion of architectural professional practice issues including leadership, legal responsibilities, ethics and professional judgment. Restricted to enrollment in M.Arch. program. Credit Hours: 3

**ARC593 - Architectural Research Paper** This course is for students who wish to perform individual research in architecture on an approved topic. Prerequisite: ARC 552. Restricted to enrollment in M.Arch. program. Credit Hours: 6

**ARC594 - Programming & Analysis** The purpose of this course is to discuss the programming and analysis of a new architectural project. Included in the review of these topics will be related discussions with regard to project type, client needs, site and context. As part of the learning process, students will be expected to participate in class discussion as well as complete projects which are designed to develop critical thinking, speaking, and writing skills. Prerequisite: ARC 592 with a grade of B- or better. Credit Hours: 1

**ARC595 - Project Planning + Design** The course discusses the preliminary design of a building & the site of a new architectural project. Included in the review of these topics will be related discussions with regard to project type, client needs, site and context. As part of the learning process, students will be expected to participate in class discussion as well as complete projects which are designed to develop critical thinking, speaking, writing skills, and architectural design skills. Prerequisite: ARC 594 with a minimum grade of B-. Credit Hours: 1

**ARC596 - Project Development + Documentation** The purpose of this course is to review the integration & detailing of a new architectural project. Included in the review of these topics will be related discussions with regard to building systems, assemblies, code, and cost. As part of the learning process, students will be expected to participate in class discussion as well as complete projects which are designed to develop critical thinking, speaking, writing, and architectural design skills. Credit Hours: 1

**ARC597 - Construction + Evaluation** The purpose of this course is to review the construction and evaluation of a new architectural project. Included in the review of these topics will be related discussions with regard to construction and post-occupancy evaluation. As part of the learning process, students will be expected to participate in class discussion as well as complete projects which are designed to develop critical thinking, speaking, and writing skills. Prerequisite: ARC 596 with a minimum grade of B-. Credit Hours: 1

**ARC599 - Thesis** Graded S/U or DEF only. Prerequisite: ARC 552. Restricted to enrollment in M.Arch. program. Credit Hours: 6

**ARC601 - Continuing Enrollment** For graduate students who have not finished their degree program and who are in the process of working on their thesis, research paper, or capstone project course (ARC 554). Concurrent enrollment in any other course is not permitted. Graded S/U or DEF only. Credit Hours: 1

## Architecture Faculty

**Anderson, Robert**, Lecturer, M.Arch., Southern Illinois University, 2014; 2000.

**Ashayeri, Mehdi.**, Assistant Professor, Ph.D., Illinois Institute of Technology, 2020, M.Arch., Tehran Azad University, 2012.

**Baysinger-Hensley, Sheila**, Associate Professor of Practice, J.D., Southern Illinois University Carbondale, B.Arch., University of Illinois, 1989.

**Cho, Siwon**, Associate Professor, Ph.D., Virginia Tech, 2008; 2009.

**Farr, Eric**, Assistant Professor of Practice, Ph.D., Technische Universität of Berlin, Germany, 2012, Master of Architecture

**González-Torres, Rolando E.**, Associate Professor and School Director, Ph.D., Universitat Politècnica de Catalunya, Spain, 2008, M.Ed., Western Kentucky University at Bowling Green, 2001, MLA, Texas A&M, 1996.

**Hoffman, Eric**, Lecturer, M.Arch., Washington University, 2005, B.Arch., Oklahoma State University, 1999.

**Huang, Qian.**, Associate Professor, Ph.D., Purdue University, 2013.



**Irwin, Kirk J.**, Assistant Professor of Practice, Ph.D., University of Edinburgh, 2024, M.Arch.Hist. University of Virginia, 1990, B.Arch., University of Cincinnati, 1986.

**Kalua, Amos**, Assistant Professor, Ph.D., Virginia Polytechnic Institute and State University, 2021, M.S. Arch., Virginia Polytechnic Institute and State University, 2018, Master of Engineering in Architecture, Harbin Institute of Technology, China, 2015.

**Kheiri, Farshad**, Assistant Professor, Ph.D., Texas A&M, 2020, March, Iran University of Science and Technology, 2011.

**Kidd, Laura K.**, Associate Professor and Fashion Studies Program Director, Ph.D., Iowa State University, 1994; 1996.

**Lee, Seung-Hee**, Professor, Ph.D., The Ohio State University, 1998; 2012.

**Lugo, Jose**, Lecturer, M.Arch., Southern Illinois University, 2006.

**Morthland, Laura**, Associate Professor and Interior Design Program Director, M.I.Arch., University of Oregon, 2003.

**Roy, Sanjit**, Assistant Professor of Practice, M.S.Arch., University of Cincinnati, 2004, B.Arch., New Delhi, India, 2001.

**Smith, Peter B.**, Associate Professor and Design Foundations Coordinator, M.Arch., University of Illinois, 1980, 1975.

**Turnipseed, Steven**, Senior Lecturer, M.S.Arch., Columbia University, 1976. B.Arch., Ball State, 1975.

### **Emeriti Faculty**

**Anz, Craig K.**, Professor, Emeritus, Ph.D., Texas A&M, M.S. ArchSt., University of Texas, M.Arch., University of Texas at Arlington, 1991.

**Dobbins, John K.**, Associate Professor, Emeritus, M.Arch., M.B.A., University of Illinois, 1986.

**LaGarce, Melinda**, Associate Professor, Emerita, M.F.A., Texas Technology University, 1972; 1989.

**Swenson, Robert**, Associate Professor, Emeritus, B.S., M.Arch., Yale University, 1965; 1969.

**Wendler, Walter V.**, Professor, Emeritus, Ph.D., University of Texas, 1991, M.Arch., University of California, Berkeley, 1975.

**Workman, Jane**, Professor, Emerita, Ph.D., Purdue University, 1982; 1989.

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