

## EXTRACURRICULAR ACTIVITIES

AUC students participate in many extracurricular and professional activities throughout their years of study. They are encouraged to become active members of local and international professional societies and to establish links with industry at all levels both locally and Internationally.

The architectural engineering program is developing strong ties with professional and educational international organizations with the ultimate goal of collaborative work and providing a global educational experience for students. Members of the architectural engineering program are also building ties with the International Union of Architects (UIA). The main connector between the students and the department is the Architecture Association (AA). It aims at assisting architecture students and facilitating their journey through creating multimedia workshops, exhibition spaces for pin-ups, inviting alumni as guest lecturers and organizing educational trips.

## PROSPECTIVE JOBS

Graduates will be well equipped to work at an international level of the architectural profession in its various forms. They will become excellent candidates for local and international architectural design firms. They will become excellent candidates for local and international architectural design firms. They can effectively work for construction contractors in aspects related to architecture and building integration. Also, they will be prepared to pursue graduate studies in architecture and related fields in Egypt and abroad.

## FACULTY

The department has a faculty of qualified and committed group of academics and professionals who hold PhD level degrees from prestigious institutions in the U.S. and other countries such as: University of Michigan, Georgia Tech, Universite de Montreal, University of Pennsylvania, etc. In addition, highly qualified adjunct faculty members participate in teaching a number of courses offered by the architecture department.

## ACCREDITATION/ VALIDATION

The Department of Architecture received the UNESCO-UIA validation from the International Union of Architects (UIA) in March 2014. It was the first program in the Middle East and Africa to receive this recognition. It is the label of excellence in architectural education of the UIA (<http://www.uia.archi/>), the world's largest international architectural organization which brings together professional organizations of architects in 124 countries and territories all over the world.

Graduates of UNESCO-UIA validated architectural programs are eligible to apply for registration as professional architects in many countries around the world, after passing the required licensing requirements. The degree of Bachelor of Science in architectural engineering at AUC was also granted equivalency by the Egyptian Supreme Council of Universities in January 2012.

Accordingly, graduates of the program are entitled to immediate professional licensure upon graduation by the Egyptian Syndicate of Engineers, the sole authority for licensing the practice of architecture in Egypt.



## CONTACT US

The American University in Cairo  
School of Sciences and Engineering (SSE)  
Department of Architecture

AUC Ave. P.O. Box 74  
New Cairo 11835, Egypt  
Tel 20.2.2615.4220  
Fax 20.2.2795.7565  
email: [arch@aucegypt.edu](mailto:arch@aucegypt.edu)  
[www.aucegypt.edu](http://www.aucegypt.edu)



THE AMERICAN  
UNIVERSITY IN CAIRO

SCHOOL OF  
SCIENCES  
AND  
ENGINEERING

# DEPARTMENT OF ARCHITECTURE UNDERGRADUATE PROGRAMS IN ARCHITECTURE

BACHELOR OF SCIENCE IN  
ARCHITECTURAL ENGINEERING  
MINOR IN ARCHITECTURAL DESIGN  
MASTERS OF SCIENCE IN ARCHITECTURE



The Department of Architecture at AUC is dedicated to excellence and is mindful that Architecture is at the intersection of human and cultural values and the technical capabilities of construction. Moreover, digital technology is rapidly growing, changing our ways of communication, expression, perception, thought and interaction. The architecture program promotes the implementation of the latest advances in information and communication technology, stressing the rich local and historical context, while incorporating construction engineering and professional contents that respond to the needs of the industry.

## MISSION

The mission of the architectural program is to train architects who can lead the architectural profession in Egypt and the Middle East into the digital age, with the understanding of context as a means of respecting local heritage. As part of The American University in Cairo, the mission of the Department of Architecture is aligned with the University's mission statement. The pursuit of excellence is central to the department's mission, as is maintaining high standards of academic achievement, professional behavior and ethical conduct.

## ACADEMIC OFFERINGS

### Bachelor of Science in Architectural Engineering

The program educates students in architecture with an emphasis on developing the skills of innovation, creativity and critical thinking. They develop analytical skills and consider the impact of architectural solutions on Egyptian society and the global community. The curriculum maintains an appropriate balance between emerging digital design methods and pedagogies, and creating a contextual-humanistic approach that relies on the rich cultural and historical context. It builds a strong construction engineering content that meets the demands of the profession.

### Minor in Architectural Design

This minor provides students from other majors with an understanding of the underlying principles of architectural design and is open to students from all majors at AUC.

### Masters of Science in Architecture

The AUC Master of Science in architecture program seeks to prepare young professionals in the field to deal with the new questions and quickly changing rules shaping the contemporary built environment. It aims to create a new generation of cross-disciplinary practitioners who are able to use the powers of partnership and interdisciplinarity to lead the evolution of new paradigms for the practice of architecture.

## ADMISSION REQUIREMENTS

### UNDERGRADUATE REQUIREMENTS:

For applications to the Department of Architecture, -please refer to university admissions for the specific procedures and requirements on the University Undergraduate Admissions. Students who satisfy the university general admission and engineering admission requirements, but did not get admitted from the gate can apply for architecture. Those students will be assessed by the department of architecture Aptitude Assessment for Architecture (AAA) which is comprised of two parts:

- Multiple choice questions (MCQ) testing the student's analytical and general knowledge on architecture.
- Free-hand drawing.

**\*Please note the two assessments don't require any preparation and no preparation is offered by any party outside AUC for this assessment.**

### GRADUATE REQUIREMENTS:

A candidate for the Masters of Science program in architecture must meet the following requirements:

- Hold a BSc in architecture or urban design (or another allied field— subject to department approval)
- Comply with general university requirements for the graduate program, including English language proficiency
- Submit a research proposal (1000 - 1500 words), including a statement of purpose and the intended general area of research
- Submit samples of previous research output and/or professional work

**\*Students who have some deficiency in their undergraduate training but are well-qualified in other aspects may be admitted provisionally. The Department of Architecture may prescribe a program of noncredit work to make up for the deficiency.**

## DECLARATION FROM WITHIN AUC

### Bachelor of Science in Architectural Engineering

To be considered for admission to the Architectural Engineering Major, undeclared students, students changing major or seeking a double major should satisfy the following criteria:

1. Candidates must have completed ALL Criteria Courses.

2. Candidates must have achieved a 2.75 minimum Overall GPA to be considered in the admission process.

3. Candidates must have achieved a minimum grade of "B" in the following courses: ENGR 115/1005, AENG 221/1511, AENG 273/1521 and AENG 250/2512.

### Minor in Architectural Design

Students with a minimum GPA of 3.0 are accepted based on available quota in the department. A minimum grade of "B" in the basic architectural design courses (ENGR 1005, AENG 2551 and AENG 1521) to continue in the minor.



## GRADUATION REQUIREMENT

### Bachelor of Science in Architectural Engineering

Architectural engineering is a five year program. A total of 162 credits are required for the Bachelor of Science Degree in architectural engineering. These are divided into the following categories: Core Curriculum (33 credits) Engineering Core Courses (26 credits) Concentration Requirements (94 credits) Concentration Electives (3 credits) and General Electives (0-6 credits)

### Minor in Architectural Design

The Minor requires completion of 16 credit hours. These are: Basic Architecture Design Requirement (7 credits) Background Humanities and Fine Arts Elective Requirement (3 credits) Main Architecture Design Requirement (6 credits)

### Masters of Science in Architecture

This degree is a 2 year program with five concentrations to choose from (Urban Regeneration and Heritage, Sustainability in Architecture, Architectural Computing, Architectural Studies, and Real-Estate Development. A total of 33 credit hours are required to for this Masters and they are distributed as follows: Architectural Core Courses: (9 credit hours) Research Method Courses: (6 credit hours) Cross-Disciplinary Courses: (9 credit hours) and Thesis: (9 credit hours)

## FACILITIES AND SPECIALIZED LABORATORIES

### Studios:

SSE 1083, 1086, 1088, 1221, 2230. SSE 1092, 1085, 2230.

### Computer Labs:

Computer-Aided Architecture Drafting/Design (CAAD) Lab I & II. Open Access Computer-Aided Architecture Drafting/Design (CAAD) Lab.

### Labs:

SSE P058A Digital Fabrication and laser cutting Lab SSE P058B Building Sciences Environmental Chamber Lab



The programs benefit from AUC's Rare Books and Special Collections Library, which has several invaluable architecture collections, including Creswell, Wissa Wassef and Hassan Fathy.

