



**UNIVERSITÉ
FRANÇAISE
D'ÉGYPTE**

BACHELOR OF ARCHITECTURAL ENGINEERING

School of Engineering

Overview

The bachelor's in Architectural Engineering is a 4-year program that awards an Egyptian Engineering degree and facilitates further studies globally through our network of French top architecture schools. The program is taught in English and proposes workshops with INSA Strasbourg, Ecole Spéciale d'Architecture and Ecole d'architecture Paris Malaquais. The Architectural department graduates will be engineers specialized in architecture, urban planning, and landscape.

**Collaboration
with :**



INSA INSTITUT NATIONAL
DES SCIENCES
APPLIQUÉES
STRASBOURG



Egyptian degree European ECTS

WHY STUDY ARCHITECTURAL ENGINEERING AT UFE?

- It is a green orientation with hands on practice approach.
- The curriculum promotes impactful cultural and knowledge exchange across the Mediterranean.
- Annual mandatory 2-month internship.
- An innovative curriculum combining the relocation of the accredited program in France with the adaptation to the curriculum of engineering faculties in Egypt.
- Work methods enables students to develop autonomy, innovation, green orientation, and an ecological transition.
- Exploring diverse ecological habitats and architectural adaptation models.
- Highly qualified Egyptian and foreign academic staff and visiting professors from various French schools.



POSSIBLE CAREERS PATHS

- Architect.
- Urban Designer.
- Landscape Architect.
- Building Engineer.
- Architectural Designer.
- Construction estimator.
- Architectural Project Manager.
- Project engineer.

STUDY COURSES

YEAR 1 - SEMESTER 1

Architectural Design and Right Tech Construction 1 :

Design Studio 1 .

Right Tech Construction 1 .

Fundamentals and History of Art and Architecture 1 :

History of Art and Architecture.

Introduction To Theories of Architecture 1 .

Sustainable Ethics 1 .

Urban Landscape:

Intro To Urban Culture and Landscape.

Principals Of Architectural Representation 1 :

Architectural Drawing and Experimentation.

Fundamentals of Computer Graphics.

Mathematics 1 .

French and English Language Courses.

YEAR 1 - SEMESTER 2

Architectural Design and Right Tech Construction 2 :

Design Studio 2.

Right Tech Construction 2.

Fundamentals and History of Art and Architecture 2 :

History of Art and Architecture.

Theories of Architecture 2 .

Sustainable Ethics 2 .

Fundamentals Of Contemporary Architecture:

History And Theories of Contemporary Architecture.

Principals Of Architectural Representation 2 :

Architectural Drawing and Construction.

Fundamentals Of Computer Graphics.

Portfolio.

Mathematics 2 .

French and English Language Courses.

**** Internship in construction site for a duration four weeks is mandatory.**

YEAR 2 - SEMESTER 1

Architectural Design Studio -3.

Theories of Architecture:

Theories of Architecture 3.

Sustainable Ethics 3.

Urban Design -1:

Urban Morphology 1.

Ecological Urban Metabolisms 1.

Urban Rehabilitation 1.

Architectural Representation 3:

Computer Applications in Architecture 3.

1:1 Experimentations 1

Fundamental of Structural Analysis 1:

Structural Analysis for Architects 1.

Properties of Construction Materials and Soil Mechanics.

Right Tech Construction 3.

Humanities Electives:

Introduction to Sociology/Contemporary Cultural and social Studies

French and English Language Courses.

YEAR 2 - SEMESTER 2

Architectural Design Studio -4.

Urban Design -2:

Urban Morphology 2.

Ecological Urban Metabolisms 2.

Urban Rehabilitation 2.

Architectural Representation 4:

Computer Applications in Architecture 4.

1:1 Experimentations 2.

Architectural Drawing.

Fundamental of Structural Analysis 2:

Structural Analysis for Architects 2.

Surveying, Site Mobility and Control.

Right Tech Construction 4:

Right Tech Construction 4.

Introduction To Bioclimatic Design.

Humanities Electives:

Introduction to Sociology/Contemporary Cultural and social Studies

**** Internship in construction site for a duration five weeks is mandatory.**



**UNIVERSITÉ
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APPLY NOW

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STUDY COURSES

YEAR 3 - SEMESTER 1

Architectural Design Studio -5.

Landscape Design -1:

Landscape Design 1.

Landscape Experimentation 1.

Context-Based Urban Design 1:

Participatory Urban Design.

Urban Dynamics Theories.

Architectural Representation 3:

Computer Applications in Architecture 3.

1:1 Modulization.

Structure:

Steel Structure.

Concrete Structure.

Right Tech Construction 5:

Bio-Climatic Construction.

Specialty Electives:

Construction With Bio-Sourced Materials.

Architectural And Urban Heritage.

French and English Language Courses.

YEAR 3 - SEMESTER 2

Architectural Design Studio -6.

Landscape Design -2:

Landscape Design 2.

Landscape Experimentation 2.

Context-Based Urban Design 2:

Urban Project.

Context And Place Making.

Architectural Representation 4:

Computer Applications in Architecture 4.

English Language in Architectural Representation.

Graduation Project 1:

Introduction to Research.

Graduation Project Phase.

Construction In Buildings 4:

Climate Adaptive Construction.

Specialty Electives:

Construction With Geo-Sourced Materials.

Heritage Management.

French and English Language Courses.

**** Internship in Consultant Agency for a duration six weeks is mandatory.**

YEAR 4 - SEMESTER 1

Archi-Right-Tech Design Studio:

Architecture Project.

Concentration Courses

Architectural And City Rehabilitation 1

Experimental Design Processes 1

Contextual Planning 1

Heritage Resilience Studio:

Architectural And Urban Heritage.

Interior-Right-Tech Design Studio:

Interior Design and Technical Details Studio.

Graduation Project:

Graduation Project 1.

Graduation Thesis:

Graduation Thesis Research 1.

Inclusive Design Approach:

From Sustainable Mapping to Co-Programming and Co-Design-1.

Specialty Electives:

Case Study 1 (Construction).

Case Study 2 (Heritage).

French and English Language Courses.

STUDY COURSES

YEAR 4 - SEMESTER 2

Concentration Courses:

Architectural and City Rehabilitation-2

Experimental Design Processes 2

Contextual Planning 2

Internship:

Stage ESA System.

Graduation Project 2:

Graduation Project 2.

Graduation Thesis:

Graduation Thesis Research 2.

Inclusive Design Approach:

From Sustainable Mapping to Co-Programming and Co-Design-2.

**** All Languages Courses are mandatory to validate respective years.**



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