

Facade Engineering Professional Diploma

What is Facade Engineering?

A facade is the front, or public-facing side of a building. Facades are of critical importance for architects as well as civil and construction engineers, as they not only affect the public's perception of a building, they also set the tone for the rest of the building and play a key role in determining its energy efficiency.

Facade engineers ensure that facades are designed in an aesthetically pleasing manner while incorporating energy, environmental and structural concerns.

Who Should Pursue This Professional Diploma?

This diploma is designed for those who are working in facade engineering or those seeking new career opportunities in the construction or architecture industries. It is open to engineers, architects and suitably qualified candidates from other fields, including those engaged in the procurement, design, manufacture and assembly of building envelope systems, with a first degree or equivalent professional qualification.

Program Outcomes

Upon completing the program, participants will:

- Understand the key principles of the facade engineering field, such as the essential role of materials and manufacturing methods.
- Have the skill, knowledge and understanding required to design, manufacture and construct building facades and cladding.

Program Requirements

To complete the requirements of the Professional Diploma in Facade Engineering, candidates must successfully complete six courses and present an acceptable project. Courses consist of lectures, open forums and discussions as well as visits to construction sites.

Program Courses

- FEPD 001: Introduction to Facade Engineering and Facade Finishing Materials
- FEPD 002: Facade Climatic Design
- FEPD 003: Facade Sustainable Design
- FEPD 004: Facade Production
- FEPD 005: Facade Construction
- FEPD 006: Practical Project

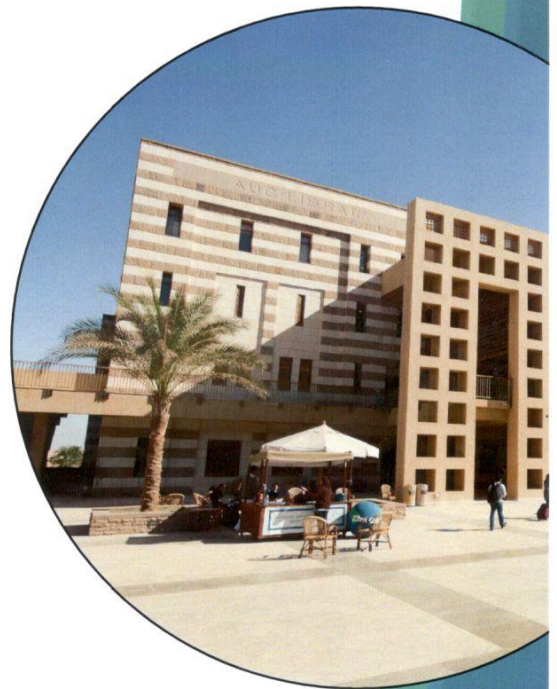
For more information

aucegypt.edu/sse/ess

ess@aucegypt.edu

tel 20.2.2615.4333

 /AUC.ESS



AUC Web > Sciences and Engineering > Engineering and Science Services > Programs

FACADE ENGINEERING

PROFESSIONAL PROGRAM

This diploma is designed for those who are working in facade engineering or those seeking career opportunities in this area.

Program Requirements

Candidates for the certificate must complete:

- Six core courses
- A final project

Registration and More Information

For more information on the program and how to register email ess@aucegypt.edu or call 20.2.2815.4333.

Register Now

Core Courses

FEPD 001	FEPD 001: Introduction to Facade Engineering and Facade Finishing Materials <p>This course provide an introduction to façade engineering including the multi-functional nature of the building envelope and the need for holistic design.</p> Learn more
FEPD 002	FEPD 002: Facade Climatic Design <p>This course provides a comprehensive theoretical grounding that will enable students to tackle the range of lighting strategies likely to be encountered in practice in relation to the control of natural light through the building envelope.</p> Learn more
FEPD 003	FEPD 003: Facade Sustainable Design <p>This course provides comprehensive knowledge about green building techniques and sustainable envelope designs.</p> Learn more
FEPD 004	FEPD 004: Facade Production <p>The main focus of this course is on the principles of fire engineering, and how to connect the theory behind fire behavior towards the construction of a facade.</p> Learn more
FEPD 005	FEPD 005: Facade Construction <p>This course aims to provide participants with an understanding of the principles and methods of façade shop drawing preparation.</p> Learn more
FEPD 006	FEPD 006: Practical Project <p>In this course, participants will practically apply the content received in the other facade engineering courses as well as research principles to create a multi-faceted final project</p> Learn more