

PARTNER UNIVERSITIES - DUAL DEGREES



**AIN SHAMS
UNIVERSITY
CAIRO, EGYPT**



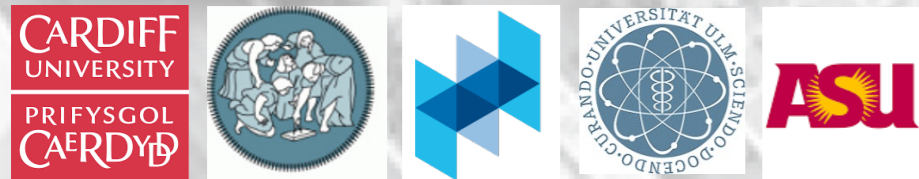
**UNIVERSITY OF EAST
LONDON
LONDON, GREAT BRITAIN**



**MEDITERRANEA
UNIVERSITY
REGGIO DI CALABRIA, ITALY**



**TECHNISCHE UNIVERSITÄT
CLAUSTHAL
LOWER SAXONY, GERMANY**



INTERNATIONAL ACADEMIC ACCREDITATIONS



NEED MORE INFO

REGISTER



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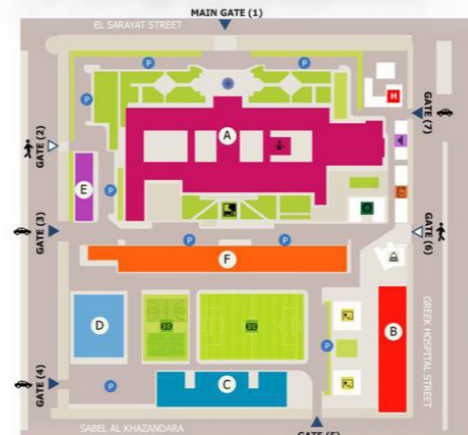


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CAMPUS MAP

FACULTY OF ENGINEERING
AIN SHAMS UNIVERSITY

- Building (A)
- Building (B)
- Building (C)
- Building (D)
- Building (E)
- Building (F)
- MOSQUE
- LIBRARY
- LECTURE HALLS
- ACOUSTICS AND VIBRATION LABS
- UNIVERSITY STUDENT HOSPITAL
- ENVIRONMENTAL STUDIES LABS
- ELECTRICAL MACHINE AND POWER LABS



INTERNATIONAL CREDIT HOURS ENGINEERING PROGRAMS - ICHEP



**EXCELLENCE IS MY PASSION.
ENGINEERING IS MY PROFESSION**



International Credit Hours Engineering Programmes



COMPUTER & ARTIFICIAL INTELEGENCE ENGINEERING

- MULTIMEDIA & COMPUTER GRAPHICS
- DISTRIBUTED & MOBILE COMPUTING
- SOFTWARE PRODUCT LINES
- DATA SCIENCE

Enables the students to apply engineering principles in each phase of software development life-cycle; requirements analysis, design, validation, implementation, testing, documentation, and management.

COMMUNICATION SYSTEMS ENGINEERING

- SATELLITE/MOBILE COMMUNICATION
- ELECTRONICS
- NETWORKS
- SIGNAL PROCESSING
- MICROWAVE COMMUNICATION
- OPTICAL COMMUNICATION

Graduates with the ability to deal with the latest developments in the fields of advanced communication, to meet the requirements of the market at the moral and professional levels by creating the appropriate conditions for the development of different skills and cooperate with specialized industrial and research bodies locally and internationally.

ENERGY & RENEWABLE ENERGY ENGINEERING

Graduates are expected to apply knowledge of mathematics and natural science to economically utilize the materials and forces of nature for the benefit of society. Our graduates are expected to have very rewarding careers as consultants, operators or auditors for the energy generation, management and efficiency in different plants and buildings application.

MECHATRONICS & AUTOMATION

- AUTOTRONICS
- NANO-MECHATRONICS
- INDUSTRIAL MECHATRONICS
- BIO-MECHATRONICS

Aims to support all mechatronics students to compete in the local and regional market, deal with the latest development in the field of mechatronics and automation system and solve the problems in the industry.

MATERIAL ENGINEERING

- METALLURGY
- POLYMER
- GLASS & CERAMIC

Enables the students to have an integrated understanding of the scientific and engineering principles underlying the four major elements of the field of Material Engineering; processing, structure, properties and performance. The graduate students should be capable of dealing with modern development of conventional and advanced materials in all mechanical, structural, electronic and medical fields

MANUFACTURING ENGINEERING

- MECHANICAL DESIGN
- INDUSTRIAL ENGINEERING
- NON-TRADITIONAL MANUFACTURING

Students will learn how to design products, select materials, and improve production processes and equipment. The Program provides broad technical background for students, in addition to proficiency in engineering methods and decision-making skills to a variety of manufacturing engineering issues.

BUILDING ENGINEERING

- STRUCTURAL ENGINEERING
- CONSTRUCTION ENGINEERING MANAGEMENT
- ENVIRONMENTAL & SUSTAINABLE BUILDING ENGINEERING

To graduate as a civil engineer who is capable of generating effective solutions by using engineering approaches in the field of structure design and construction project managements.

CIVIL & INFRASTRUCTURE ENGINEERING

- TRANSPORTATION PLANNING & TRAFFIC ENGINEER
- HIGHWAY & AIRPORT ENGINEER
- RAILWAY ENGINEER
- SANITARY & ENVIRONMENTAL ENGINEER
- WATER ENGINEER
- SURVEYING ENGINEER

Aims to graduate a Civil engineer able to create, improve and protect the environment in which we live. They plan, design and oversee construction and maintenance of building structures and infrastructure.

LANDSCAPE ARCHITETURE

- ARCHITECTURE
- LANDSCAPE ARCHITECTURE
- URBAN DESIGN

A professional title of architectural major discipline that typically works across six main domains; architecture, landscape design, landscape management, landscape planning, and urban design. Professional opportunities cross architecture and landscape architecture practices in both the private and the public sector.

ENVIRONMENTAL ARCHITECTURE & URBANISM

- ENVIRONMENTAL ARCHITECTURE
- SUSTAINABLE ARCHITECTURE
- ECO-URBAN DESIGN

Aims at preparing architects and urban designers specialized in sustainable architecture and environmentally friendly buildings and cities. Graduates can integrate all the aspects dealing with the built environment and how it is planned, designed, used, furnished, landscaped, managed and valued by the society while dealing with complex architectural and urban environment problems.

HOUSING ARCHITETCURE & URBAN DEVELOPMENT

- HOUSING ARCHITECTURE
- URBAN DESIGN & PLANNING
- REAL ESTATE
- LAND MANAGEMENT

Aims at preparing architects and urban planners specialized in housing , interior and exterior design with an intergated vision to tackale real estate and housing market issues related to urban development. The Program is supported by international experties through cooperation with UNHABITAT