

ERGY

Energy and Renewable Energy Engineering Program 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.

MCTA

Mechatronics and automation program aims to support all mechatronics's students to compete in the local and regional market, deal with the latest developments in the field of mechatronics and automation system and solve the problem in the industry. The graduate will have a theoretical and practical knowledge of industrial and automation, biomechatronic, Nanomechatronics and Autotronic fields.

OUR INTERNATIONAL PARTNERS



University of East London
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www.uel.ac.uk



Clausthal University
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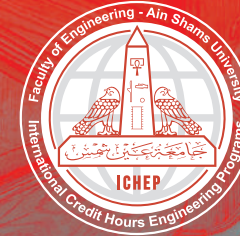
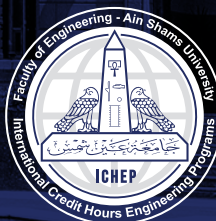
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BLDG

Building Engineering Program is to graduate civil engineers who are capable of generating effective solutions by using engineering approaches in the field of structure design and construction project managements. The graduates of the program are specialized in one of the main fields: Structural Engineering, Construction Engineering Management & Environmental and Sustainable Building Engineering.

CESS

Computer Engineering and Software Systems program enables the students to apply engineering principles in each phase of software development life-cycle; requirements analysis, design, validation, implementation, testing, documentation, and management. The skills of the graduates of this program include computer engineering, software engineering, distributed and mobile computing, embedded systems, computer security, multimedia systems.

HOUD

The Housing Architecture and Urban Development program aims at preparing architects and urban planners specialized in housing, interior and exterior design and have integrated vision to tackle real estate and housing market issues related to urban development. The program is supported by international expertise delivered through ongoing cooperation with the UNHABITAT and European universities.

LAAR

Landscape Architecture is 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 private sector. On the other hand, in public sector, landscape architect can join environmental agencies, local authorities, governmental agencies, in addition to NGOs.

COMM

The Communication Systems Engineering (COMM) program graduates engineers with the ability to deal with the latest developments in the fields of advanced communication, optical and electronic systems 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.

CISE

Civil infrastructure engineering Program (CISE) aims to graduate Civil engineers 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; such as roads, railways, airports, bridges, harbours, dams, irrigation projects, and water and sewerage systems.

MANF

Manufacturing engineering program 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. Manufacturing engineer seeks positions as production manager, design engineer, quality specialist, maintenance engineer, operations manager, or technical sales engineer.

ENVR

The Environmental Architecture and Urbanism Program (ENVR) aims at preparing architects and urban designers specialized in sustainable architecture and building more 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 in their creative thinking while dealing with complex architectural and urban environment problems.

MATL

Material engineering program 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