

Structural Engineering

Credit Hour Program at Cairo University



The STE program provides a broad, well-rounded, and high-quality education in Civil Engineering with emphasis on the profession of Structural Engineering and its specific areas of materials, mechanics, analysis and design. By completing the bachelor degree requirements, the graduates of the STE program will demonstrate professional competence and contribute in the future efforts for developing and maintaining the infrastructure and environment at the national, regional and international dimensions.

Key Features

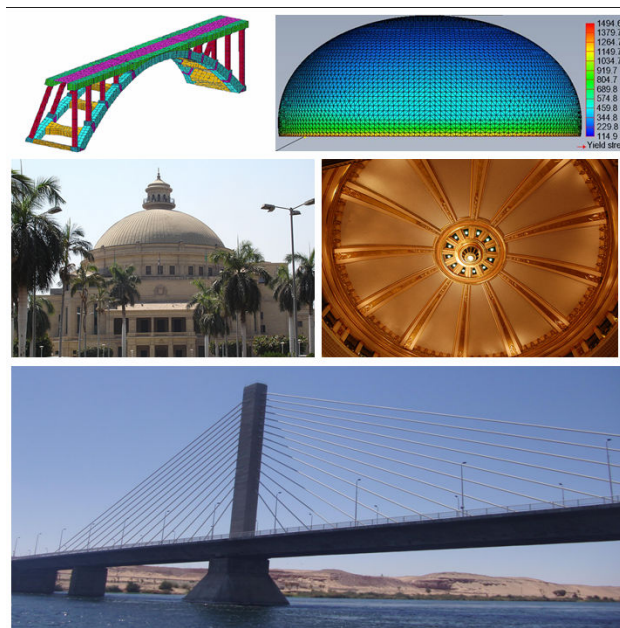
- A variety of elective courses for students to fit their selected plan of study.
- Core courses in Management, Accounting, and Marketing to supplement the engineering skills.
- Application of analysis and design software to solve practical structural engineering problems.
- Practical training opportunities in multinational design companies and consultancy firms.



Program Objectives

The educational objectives of the Structural Engineering program are to prepare its graduates to:

- Perform successfully in a professional environment by utilizing and improving their technical knowledge, intellectual abilities and practical skills.
- Design, construct and select effective civil and structural systems by applying the fundamental principles and methods of structural engineering, as well as the principles of sustainability.
- Formulate, analyze and solve complex structural engineering problems by examining and appraising practical alternatives and by working individually or within multidisciplinary teams.
- Plan, schedule and supervise diverse engineering projects by integrating project management, risk management, information technology, and professional skills.
- Communicate effectively in engineering and business environments, and present high ethical standards.
- Continue career development through life-long learning, professional seminars and licensure.



For more information visit

<http://www.eng.cu.edu.eg/credithours>

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