

**Civil Engineering
Department
at
CAIRO UNIVERSITY**

Civil Engineering Department

Structural Engineering (STR)

Structures

Materials

Steel

Reinforced Concrete

Construction

CEM
2006

STE
2008

Irrigation and Hydraulics (IHD)

Irrigation

Hydraulics

Harbor & Coastal

WEE
2009

Public Works (BPW)

Soil Mech. & Found

Highway & Airports

Transportation

Railways

Sanitary

Survey

CIE
2018

**Construction
Engineering And Management
Program
(CEM)**

Introduction:

- Construction is one of the largest and most important industries in the world.
- Construction sector represents over 11% of the total Egyptian workforce.
- Its share in the total National Gross Income approaches 8%.
- Construction engineering and management is obviously critical to the development of civil infrastructure.
- The program will train the students in construction management ; a multidisciplinary field that integrates engineering, technology and management of people and physical resources.

Mission:

- to cope with the new advances in the field of construction Engineering
- to provide a well-integrated program that gives the student the opportunity to develop the proficiencies necessary for a successful professional career in construction industry.

Educational Objectives:

To Provide the graduates with:

- The ability to review the contract strategies, appropriate contract forms, and payment methods.
- Appropriate technical proficiency in producing tender and contract documents.
- Appropriate technical proficiency in supervising constructions projects and monitoring its progress.
- Excelling graduates' capabilities in advising clients on settling claims and disputes

PROGRAM REQUIREMENTS متطلبات البرنامج

Discipline Requirements (DR)

(CIVIL & STRUCTURAL Engineering:
Structures, RC & Steel Design, Soil & Foundation,)

core/ compulsory

Elective

Program Requirement (PR)

(CONSTRUCTION Engineering:
Project Management, Planning, Scheduling, Cost, Contracts, Dispute Resolution,)

core/ compulsory

Elective

FACULTY REQUIREMENTS **متطلبات الكلية:**

1- GENN Courses

2- CEM Courses

Code	Name	Credit Hours	Prerequisite
CEMS280	Engineering Seminar	1	30 CR.HRS. + AA
CEMS281	Industrial Training-1	1	STRS301 + AA + FRESHMAN
CEMS381	Industrial Training-2	2	CEMS281 + AA + SOPHOMORE
CEMS480	Graduation Project-1 <i>(Fall semester)</i>	1	CEMS381 + AA
CEMS481	Graduation Project-2 <i>(Spring semester)</i>	3	CEMS480
Total		8	

CEM program provides 3 tracks of specialization:

Contracts:

Cost:

Planning & Scheduling:

All are explained in the Bylaws

Employment Chances:

- Site Engineer; supervision, site technical office, contract administration, Project Engineer, Project Manager.
- Head office: contract Administration, structural designer, Project Engineer, Project Manager,
- Employer: Owner, Contractor, Consultant.
- Employment of CEM graduates over the past 5 years \approx 100% (average 3-4 months delay after graduation)

BEST WISHES

FROM CEM TEAM

Prof. Dr. Nabil A.B. Yehia:

Principle Coordinator & IT coordinator

Prof. Dr. Hatem Mostafa:

Assistant Coordinator & Civil courses
Coordinator