

BEng Honours Degree in Civil Engineering

Building a sustainable future

The construction and infrastructure development industries are two of the largest industries in Oman and a major contributor to capital generation and employment. The built environment has a major influence on the quality of life of all members of society and on the economic prosperity of the nation.

Programme

Through a blend of theory and practical skill development that bridges the gap between industry and academic study, this programme relates to the introduction of the most common practices of civil engineering. It leads on to cover areas such as wastewater treatment, solid waste management, structural design and the rehabilitation of structures. Modules such as Environmental Sciences are introduced to create awareness of environment-related issues, important for the protection of natural resources. Students also learn how to manage the execution of projects by setting goals, planning time, preparing budgets and considering indicators of quality while at the same time being sensitive to environmental constraints.

Placement

Placement opportunities are provided in companies involved in building projects such as bridges, roads, harbours, dams and airports.

Career Opportunities

A broad range of career options in Oman and abroad exist in the public and private sectors with civil engineering contractors, civil and structural engineering consultants, and in national and



local government agencies in areas including water supply, sewerage, road and bridge design and maintenance, building regulations, compliance and assessment of engineering material by laboratory analysis.

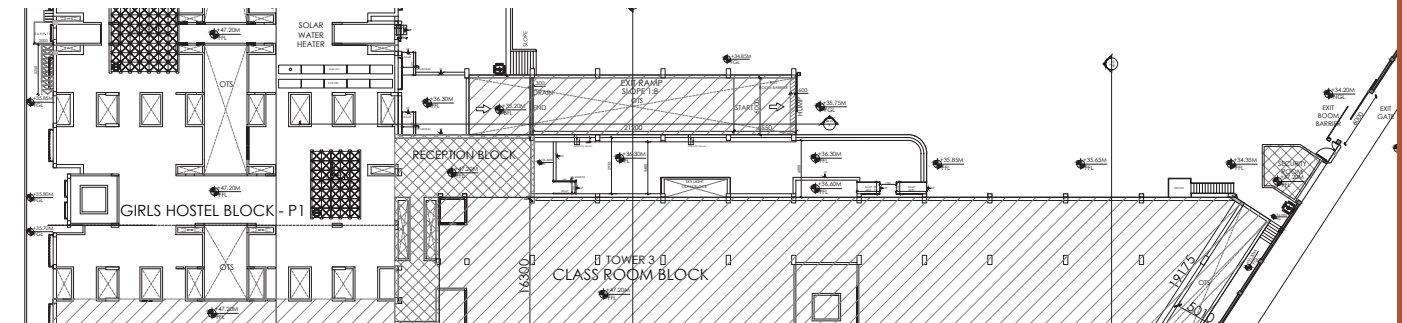
Awards

Students who successfully complete this programme will be eligible

for an internationally recognised Honours Degree awarded by Glasgow Caledonian University, Scotland, UK. Two exit options are available as given below:

- On successful completion of Level 2: Award of University Diploma
- On successful completion of Level 4: Award of BEng Honours Degree

The Diploma awarded after Level 2 is equivalent to Diploma (Oman) and BEng Honours Degree awarded after Level 4 is equivalent to Bachelor Degree in Engineering (Oman), conforming to the Oman Qualifications Framework.



Modules

Credits	Level 1 – Total of 140 Credits
20	Applicable Mathematics 1
20	Technical Communication
20	Construction Materials and Measurements
10	Materials and Measurements Laboratory
20	Construction Technology
20	Environmental Sciences
20	Engineering Mechanics
10	Engineering Drawing Laboratory
	<i>English for Engineers – I</i>

Credits	Level 3 – Total of 140 Credits
20	Advanced Mathematics for Civil Engineers
20	Entrepreneurial Skills Development
20	Construction Process Management
10	Structural Engineering Laboratory
20	Structural Analysis
20	Water Resource Engineering
20	Design of Steel Structures
10	Industrial Training

Credits	Level 2– Total of 140 Credits
20	Applicable Mathematics 2
20	Land Surveying
20	Fluid Mechanics
10	Fluid Mechanics Laboratory
20	Employability Skills Development
20	Design of Reinforced Concrete Structures
20	Soil Mechanics
10	Soil Mechanics Laboratory
	<i>English for Engineers -II</i>
	<i>Industry Orientation Prog</i>
	<i>Exit with Diploma</i>

Credits	Level 4 – Total of 140 Credits
20	Advanced Wastewater Treatment
20	Transportation Engineering
20	Advanced Solid Waste Management
10	Research Methodology
20	Advanced Structural Design
20	Project
20	Elective
10	Industry Based Project
	<i>Exit with Bachelor of Engineering (Honours) in Civil Engineering</i>



Oman Contact:

Caledonian College of Engineering P O Box 2322, CPO Seeb 111, Sultanate of Oman
Tel: 00968 98266600, Fax: +968 24535675, Email: admissions@caledonian.edu.om

Iraq Agent:

(1) Eng: Husham Reyadh, icsusn@gmail.com, 07715202451 (2) Eng: Mustafa Tahseen, bicsus@gmail.com, Tel: 07702568370 (3) Dr. Bassam Saleh Mahdi, dr.bassam@ahrtd.com, Tel: 07717929084, 07823390049