

BSc Hons Degree in Built Environment Measurement and Cost Engineering

Measuring the impossible

Measurement and Cost Engineering is a professional engineering discipline mainly focused on the construction industry. As its name implies, this discipline is concerned with estimation, bills of quantity and project finance but it also deals with tender and contract preparation, legislations, valuation, cost and risk analysis.

bridges, roads, railways, harbours, dams and airports.

Career Opportunities

A broad range of career options in Oman and abroad exist in the

Placement

Placement opportunities are provided in companies involved in building projects such as industrial projects, housing complexes, business centres, shopping malls,

Programme

It is an engineer's role to design, plan and adapt technology to provide better living conditions for society, while maintaining the balance between the built and the natural environment. In this programme, you will come to recognise that enhancement of living conditions has much to do with weighing 'desirables' against 'affordables'. This is encountered by learning how to manage and execute projects by setting goals, planning time, preparing budgets and considering indicators of quality while at the same time being sensitive to environmental constraints. In addition, you will learn about construction techniques, project management and corporate strategies.



public and private sectors with civil engineering contractors, civil and structural engineering consultants, and in national and local government agencies in areas, such as quantity surveying, cost and risk analysis, tender and contract preparation, property legislation, and contract administration.

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 BSc Honours Degree

The Diploma awarded after Level 2 is equivalent to Diploma (Oman) and BSc 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 120 Credits
20	Construction Technology 1
20	Construction Material and Measurement
20	Personal and Peoples Skill Development
20	Property Legislation
20	Property Economics
20	Introduction to Construction Costs

Credits	Level 2– Total of 120 Credits
20	Structural Engineering Principles
20	Construction and Development Economics
20	Construction Technology 2
20	Professional and Employability Skills Development
20	Tendering Procurement and Contracting
20	Structural Detailing and Estimation

Credits	Level 3 – Total of 120 Credits
20	Managed Project Learning
20	Advanced Life Skills Development
20	Contract and Project Finance
20	Construction Process Management-1
20	Estimation of Services and Civil Engineering Works
20	Construction Technology 3

Credits	Level 4 – Total of 120 Credits
20	Project Management
10	Research Methodology
10	Industry Based Project
20	Contract Administration
20	Corporate Strategy
20	Value and Risk Appraisal
20	Project
Exit with Bachelor of Science (Hons) in Built Environment (Measurement and Cost Engineering)	



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