

Programme

This programme prepares you to be successful in computer engineering practice and to be able to pursue advanced studies in computer engineering and computer science here or abroad. The Department of Electrical & Computer Engineering has excellent laboratory and computational facilities. The laboratories are configured around benches, each equipped with a modern test set up and measuring devices. High speed internet access is available in all the laboratories with WiFi access.

Placement

Placements can be spent either locally or abroad in various including IT related organisations, banks, petroleum deployment companies, telecommunication

BEng Honours Degree in Computer Engineering

Conquering cyberspace

Computer engineering combines the two disciplines of electrical engineering and computer science to provide graduates with the tools and knowledge necessary to succeed in today's competitive world. The combination of disciplines provides a unique approach to computer applications where we consider both the hardware and software elements of the subject and networking concepts.

companies, defence, aviation, major oil and gas companies and hospitals. There is a strong demand for computer engineering in different ministries and government institutions, private companies and other multinational contracting and consulting organisations.

Career Opportunities

Graduates of this programme have a wide choice of career



Oman Contact:

Caledonian College of Engineering PO 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 options in computer engineering including within the fields of computer programming, software development, hardware engineering, database administration, web development, network management and 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 BEng Honours Degree

Modules

Credits	Level 1 – Total of 140 Credits
20	Computer Programming
20	Introduction to Website Design and Development
20	Electro-Mechanical Workshop
10	PC Hardware Lab
20	Technical Communication
20	Database Management Systems
20	Technical Mathematics 1
10	Energy and Environmental Science
	English for Engineers - I

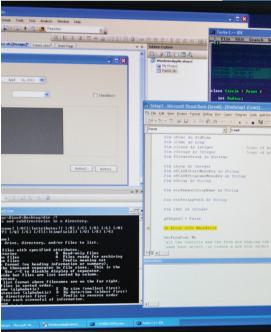
Credits	Level 3 – Total of 140 Credits
20	Data Structures and Algorithms
20	Microcontroller and Applications
20	Entrepreneurial Skills Development
10	Microcontroller Lab
20	Operating Systems
20	Advanced Mathematics
20	Non Technical Elective
10	Multimedia Lab

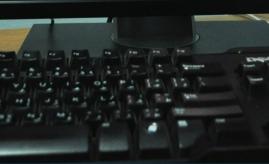
The Diploma awarded after Level 2 is equivalent to Diploma (Oman) and BEng Honours Degree awarded after Level 4 is equivalent to Bachelor Degree in Engineering

(Oman), conforming to the Oman Qualifications Framework.



Credits	Level 2– Total of 140 Credits
20	Visual Programming Principles
20	Electronic Engineering
20	Data Communications and Computer Networks
10	Computer Networks Lab
20	Technical Mathematics 2
20	Object Oriented Programming
20	Employability Skills Development
10	Mini Project (Group)
	English for Engineers –II Industry Orientation Prog Exit with Diploma
Credits	Level 4 – Total of 140 Credits
20	Web Programming
20	Software Engineering
20	Computer Organisation and Architecture
10	Research Methodology
10	Industrial Internship
20	Industrial Studies
20	Technical Project
20	Technical Elective
Exit with	Bachelor of Engineering





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