



BEng Honours Degree in Telecommunications Engineering

Breaking barriers...linking people

Telecommunications engineering includes the area of radio, TV, mobile, satellite communication systems, wired and wireless networking with emphasis on antenna engineering, microwave, fibre optical transmission, radar and navigational aids. Teaching is based on modern methods supported by guest lectures, industrial visits and seminars.

Programme

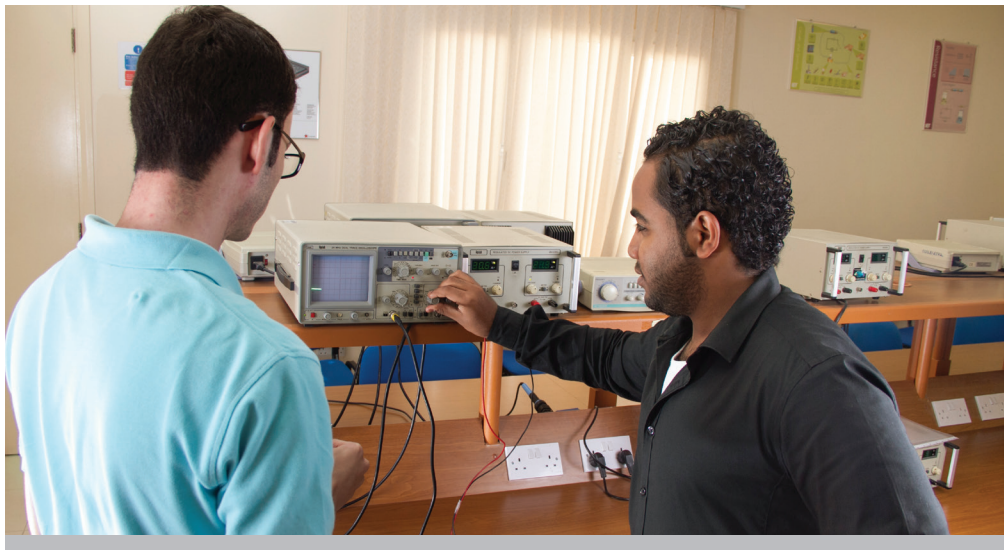
The 21st century has witnessed great technological advancement in the field of telecommunications throughout the world. This programme trains you to become a highly trained, competent telecommunication engineers to meet the needs of the commerce and industrial society. Graduates of this programme play an effective role in the development of various fields of communication and service oriented industries. Theoretical concepts are supported through laboratory oriented practical modules using our state of art laboratory facilities.

Placement

Placements can be spent in various public and private sector telecommunication companies, IT-

related organisations, petroleum development companies, defence, aviation, and major oil and gas companies. There is a strong demand for telecommunication engineers in various ministries and government organisations, private

companies and other multinational contracting and consulting organisations.



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:

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Career Opportunities

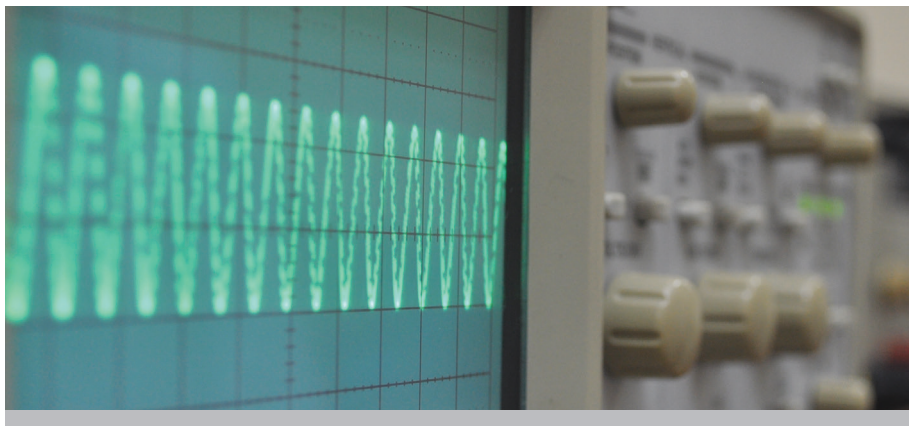
There are outstanding and high scope career options for graduates and diploma holders in Oman and abroad within fields such as telecommunications, networking, fibre optics technology, radar for military and police, navigational aids, stealth communications, telecom standards sector, air traffic control and customer service centres.

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.



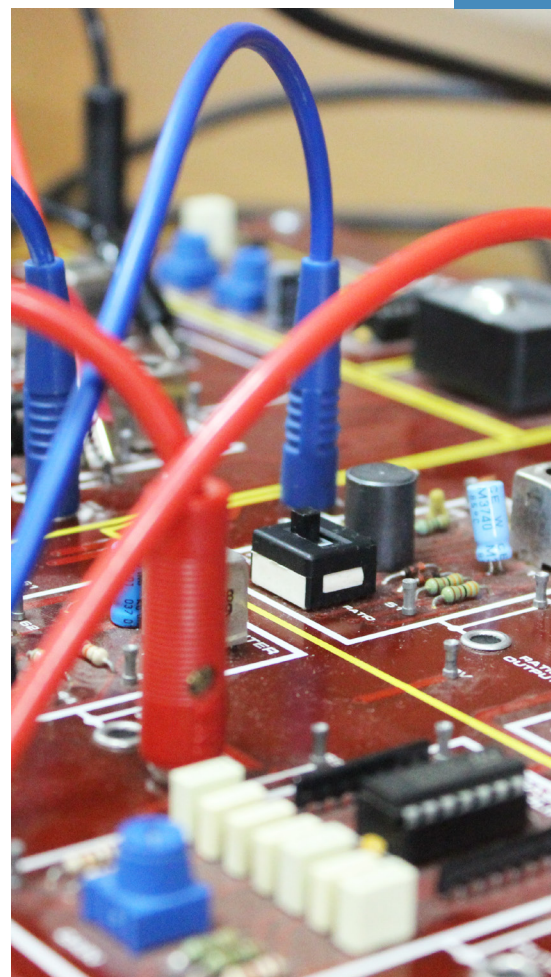
Modules

Credits	Level 1 – Total of 140 Credits
20	Computer Programming
20	Circuit Theory and Analysis
20	Technical Communication
10	Energy and Environmental Science
20	Technical Mathematics 1
20	Electro Mechanical Workshop
20	Electronic Devices
10	Electronic Devices Lab
	<i>English for Engineers – I</i>

Credits	Level 3 – Total of 140 Credits
20	Entrepreneurial Skills Development
20	Microcontroller and Applications
20	Advance Mathematics
10	Microcontroller Lab
20	Microwave and Radar
20	Optical Communication
20	Non- Technical Elective
10	Communication Lab II

Credits	Level 2– Total of 140 Credits
20	Applied Electronics
20	Data Communications and Computer Networks
20	Technical Mathematics 2
10	Computer Networks Lab
20	Electronic Communication
20	Telecommunication Application
20	Employability Skill Development
10	Communication Lab I
	<i>English for Engineers –II Industry Orientation Prog Exit with Diploma</i>

Credits	Level 4 – Total of 140 Credits
10	Research Methodology
20	Cellular Mobile Communication
20	Simulating Multimedia Networks
20	Digital Signal Processing
20	Industrial Studies
20	Technical Project
10	Industrial Internship
20	Technical Elective
	<i>Exit with Bachelor of Engineering (Honours) in Telecommunications Engineering</i>



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