الكلية العالمية

GLOBAL COLLEGE

of Engineering and Technology للهندسة والتكنولوجيا

GCET

Programmes Prospectus 2025/26

In partnership with the University of the West of England - UWE Bristol

UWE Bristol | University of the West of England

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Welcome Message from the Dean

Welcome to the Global College of Engineering and Technology (GCET), a vibrant and established college, dedicated to quality higher education in Engineering and Technology, with programmes defined within international academic standards and aligned to the Oman Vision 2040.

Our College specialises in Engineering, Computing, Urban Planning and Environmental Management. Our quality assured education is delivered by teachers and academics who are highly qualified national and international educators. I am immensely proud of the quality of the teaching and research at GCET.

We collectively believe that engineering in all its forms is the future for a healthy and progressive society. Engineering and technology offer the most dynamic, responsive, broad, and rewarding range of knowledge and skills that are needed in every aspect of our modern world. The world needs qualified Engineers with the demand for engineers in all fields growing in Oman and the rest of the World.

We endeavour to uniquely position our students for success through a curriculum of high international reputation. We lay the foundations that make our students global Engineers, who lead our world forward. We adopt modern learning and teaching strategies and techniques that enable students to develop their knowledge, skills, critical thinking, and innovation, to become successful Engineers and Technologists.

We strongly believe that our mission is not only to develop your Engineering skills but also to develop your personality and explore your talents. We strongly encourage you to participate in our sport, social and community activities in collaboration with the Students' Council and the Student Support Services Office.

I wish you all success and prosperity in your study at GCET. We hope this is the start of a very bright future for you in your life and career.

We are delighted to welcome you to the GCET family!

Professor Geoffrey Elliott
Dean of the College

Oman: The Oasis of Peace and the Face of the Future!

The Sultanate of Oman's name resonates with an aura of deep-rooted history and authenticity, extending through its rich heritage and the profoundness of its people. Embracing the virtues of Arab culture, Oman combines the beauty of the present with elegance, and forward-thinking visions aimed at achieving national aspirations, fueled by a passion for progress. Under the wise guidance and visionary, and thoughtful planning of His Majesty Sultan Haitham bin Tarik – may Allah protect and bless him – Oman envisions a future that embraces sustainable development.

This land unites the splendor of nature, the authenticity of traditions, and the modernity of the future, catering to diverse tastes and preferences. From majestic mountains, expansive plains, and soft sandy hills to breathtaking coastlines and vibrant modern cities, Oman offers a multitude of experiences. Its cultural, sports, and social activities cater to the desires and passions of all, nurturing a profound love for this vast and awe-inspiring nation.

Oman celebrates its strategic relations and geographical location at the heart of the world, on active trade routes. The Sultanate follows a forward-looking vision, aiming to develop all sectors like economy, education, and more, to provide a dignified and sustainable life for all generations.

Introduction to GCET

The Global College of Engineering and Technology (GCET), which was founded in 2014, is a private Higher Education Institution located in Muscat, Sultanate of Oman.

The College is regulated by the Ministry of Higher Education, Research and Innovation and is affiliated with the University of the West of England, Bristol (UWE) on a franchise basis. This means that UWE is the awarding body for all the programmes offered by GCET and has the ultimate responsibility for assuring their standards and quality.

All the awards and certificates of undergraduate and postgraduate programmes offered by GCET are issued directly by UWE.
All programmes are validated, quality assured, and monitored, by UWE in their capacity as the degree awarding body.

Furthermore, they are offered in full time, part time and flexible mode of study to match the requirements of adult learners.

Facilities and Services

Library and Learning Resource Centre

Being one of the most important academic support facilities, the Library provides access to both print and electronic resources that enhance learning and research, supporting students across various fields of study. As a hybrid library, it preserves traditional book collections while embracing the latest technology through the fully automated "LibraryWorld" system.

Through our academic partnership with the University of the West of England, Bristol (UK), GCET students and faculty gain access to a wide range of electronic resources, including thousands of e-books, scholarly journals. In addition, GCET holds membership in the Oman Research Network Consortium, which provides access to Masader Oman Virtual Science Library, covering databases like IEEE Xplore, EBSCO, IET, Dar Almandumh, and IGI Global.

To ensure adequate support, the Library is located on the ground floor of the Administration Building, open from 8:30 AM to 8:00 PM during regular working days throughout the semester, with additional weekend access available upon request. Its facilities include individual workspaces, discussion rooms, PCs, Wi-Fi, and photocopy/ printing services.

Student Welfare and Counseling Office

We believe that our students are the cornerstone of this educational journey, hence we are committed to providing the necessary support, guidance, and care through the Student Welfare and Counseling Office. A team of experts and specialists take it upon themselves to guide students, help them overcome challenges, achieve success, discover their strengths, and develop their abilities and skills in line with their aspirations. This ensures that they reach their long-awaited graduation moment safely and successfully. Through this dedicated office, we support our students in overcoming academic difficulties and provide practical solutions to ease their educational journey. We also listen to them attentively and with care at all times to ensure their wellbeing and success.

Innovation and Incubation Centre

Driven by our belief in the importance of supporting innovation, guiding ambition, and nurturing new ideas, we established the Innovation and Incubator Center to foster a dynamic environment for students and faculty, enabling creative ideas to transform into viable startups. Since its launch in 2023, the center has offered carefully designed training opportunities, one-on-one mentorship sessions, and seed funding support for entrepreneurs. It also works on building vital partnerships with industry leaders to enhance research and development, drive further innovation, and achieve greater commercial success.

Student Experience and Employability Office

As a vital link between students and GCET, the Student Experience and Employability Office focuses on supporting students throughout their academic journey, developing their personal skills, and refining their practical experiences, while also enhancing their networks after graduation. The office operates through three sub-offices, and its role goes beyond academics to include shaping students' personalities, broadening their horizons, and preparing them for the job market and society.

Student Activities

The heart of campus life, this office plans and implements events and activities that enrich the student experience within GCET. It supports student clubs and leadership programs that encourage creativity, innovation, teamwork, and leadership skills. It also oversees the Student Advisory Council (SAC) elections, ensuring effective student participation and representation among the decision makers. Additionally, the Student Activities Office (SAO) coordinates international student exchange programs, providing global exposure and cultural experiences. Besides, the offices leads community engagement initiatives that promote social responsibility and volunteerism. Together, these initiatives and efforts make SAO a vibrant platform to empower youth and highlight their potential.

Career Guidance and Counseling

This office prepares students for their professional futures by offering specialized services to help them discover career paths and develop practical skills. It provides one-on-one guidance on CV writing and interview preparation, boosting students' confidence in applying for jobs. It also partners with different institutions and companies to provide internships that bridge academic knowledge with practical experience. Furthermore, it organizes workshops and professional development programs than enhances students' skills in various aspects and areas such as presentation, time management, and networking, enabling students to enter the job market with competence and confidence by equipping them with the essential skills to secure professional success.

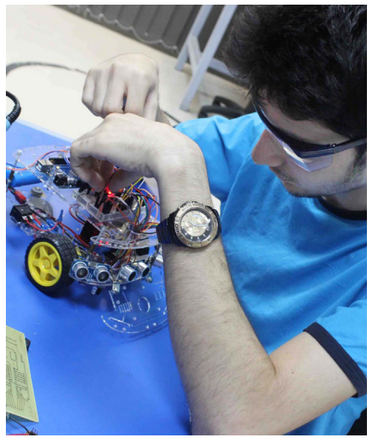
Alumni Affairs

This office strengthens the relationship between graduates and GCET, ensuring the connection remains active even after studies are completed. It manages a comprehensive alumni database that tracks career paths and maintains continuous communication. It also organizes events and gatherings that foster collaboration and shared growth, in addition to launching mentorship programs where current students benefit from the expertise of distinguished alumni. These efforts strengthen ties between graduates, the college, and various industries, opening wide opportunities for the future.

Top Five Reasons To Choose GCET

1

Get British Award. Your degree will be awarded by UWE.



2

Hand-out Approach. Adopting innovative learning and teaching methods.

3

Flexible Mode of Study with Excellent Support Services.

4

Vibrant Campus in Vibrant City. GCET campus is located in the heart of Muscat by the Muscat express.

5

International Standards with Local Vision.

Credit Transfer (Advanced Entry)

Accreditation of Prior Learning (APL) is a way of recognising and valuing the knowledge and skills that people bring with them when they embark on a programme of study.
The Global College of Engineering and Technology (GCET) allows students who provide evidence of prior certificated learning to be considered for exemptions for parts of their academic programme where they can demonstrate that their existing knowledge and skills meet some of the requirements of that programme.
The process of giving recognition of prior learning is based on a comparison of the existing certificated skills and knowledge against the requirements of the GCET programme. Within this context, the College's Regulations for the Accreditation of Prior Learning (APL) have been developed. APL for credit can be undertaken by a wide range of individuals as a contribution towards their programme of study, including:
- Adults returning to education;
- Students wishing to improve their existing qualifications;
- Those wishing to retrain or change careers.

Prior learning may be assessed and used for claiming credit against named Modules within a programme, and/or gaining academic credit for an entire level within a programme, enabling students to enter programme with 'advanced standing'.

Fill out the online form for APL:

Study and complete your degree in 2 or 3 years

The academic programmes offered by GCET:

Diploma/Advance Diploma/ BEng (Hons):
- Electronics and Telecommunication Engineering
- Automation and Robotics Engineering
- Instrumentation and Control Engineering

BEng (Hons):
- Building Services Engineering
- Mechanical Engineering and Technology with pathways:
  - Vehicle Technology
  - Mechatronics
  - Manufacturing

Diploma/Advance Diploma/BSc (Hons):
- Computer Security and Forensics
- Business Computing
- Environmental Management and Practice
- Energy Technology and Management
- Computer Science with pathways:
  - Artificial Intelligence
  - Smart Devices

BSc (Hons):
- Urban and Regional Planning
- Architectural Technology and Design

Awarding Body	University of the West of England (UWE), Bristol, UK
Duration of Study	Depending on the desired qualification/academic level Bachelor: 4 Academic Years Full Time and up to 8 Years Part Time or Flexible Advance Diploma: 3 Academic Years Full Time and up to 6 Years Part Time or Flexible Diploma: 2 Academic Years Full Time and up to 4 Years Part Time or Flexible
Educational Fees	3,570 per Year (120 credits) – Discount policy may apply.

MSc:
- MSc Engineering Management
- MSc Data Science
- MSc Cyber Security

Awarding Body	University of the West of England (UWE), Bristol, UK
Educational Fees	6,630 for the whole programme.

* An annual increase in tuition fees of 2% subject to MoHERI approval.
* Applicable according to terms and conditions.

BEng (Hons) Mechanical Engineering and Technology with Pathways:

- Vehicle Technology
- Mechatronics
- Manufacturing

Minimum Entry Requirements

Holders of the Omani General Education Diploma or an equivalent qualification with a minimum overall average of 65%. A minimum of 60% in Pure Mathematics, 60% in Physics and 55% in English Language.

Successful completion of GCET Foundation Studies Programme with a minimum of 50% in each component. Diploma Holders are encouraged to apply for advanced entry.

Introduction to the Programme

Mechanical Engineering is vital and significant in almost every single part when it comes to products. Hence, Mechanical Engineers play a sensitive role starting from design, manufacturing, and development up to the management and marketing of the products. A new era of cleaner, more efficient mechanical products is set to emerge over the next decade. Additionally, the urbanization trend is pushing for more sustainable technologies. It will therefore become increasingly important to have professionals who have the necessary skills, experience, and knowledge in design, manufacturing, and mechatronics.
Having a trusted academic degree in Mechanical Engineering and Technology, along with the required skills and expertise, will allow you to compete well for opportunities in this vital and ever-growing sector.

What you will be studying?

Studying this programme will strengthen and build your ground professionally in mathematics, design, manufacturing, and Mechanical Engineering. While progressing in your studies, you will gain more understanding of stress analysis, dynamics, heat transfer, mechatronics, materials, automotive manufacturing, engine systems, structures, and safety, as well as learning the industry standard software. As you graduate from this programme, you will have the opportunity to experience and work on an individual project to demonstrate and apply the knowledge and skills gained throughout your studies.

Where can it take you?

Manufacturing, power generation, oil & gas, and construction industries, as well as automotive and aerospace industries, are just a few of the sectors where Mechanical Engineering graduates are employed. Apart from traditional engineering jobs, mechanical engineers are highly sought after in the financial industry for product development.
In addition, they contribute to the optimization of plant and operation efficiencies, such as power stations, oil refineries, and other assets.
Not settling down for a college degree only? Then you could pursue your Postgraduate Studies after the successful completion of your degree, and earning a British qualification will further facilitate admission to top and famous universities around the world!

Study Plan - BEng (Hons) Mechanical Engineering and Technology

S/N	Module Code	Module Title	Credit	Prerequisite
Level 0				
1	UFMFBG-30-0	Foundation Mathematics: Algebra & Calculus	30	None
2	UFMFEG-30-0	Engineering Experimentation	30	None
3	UFCFGK-30-0	Professional and Academic Skills	30	None
4	UFCEXX-30-0	Program Design and Implementation	30	None
5	GCET-15-0	Omani Culture	0	None
Level 1				
6	UFMFJ9-30-1	Engineering Mathematics	30	None
7	UFMFH3-30-1	Stress & Dynamics	30	None
8	UFMFN3-30-1	Design, Materials and Manufacturing	30	None
9	UFMFG3-15-1	Fluid Dynamics	15	None
10	UFMFF3-15-1	Energy and Thermodynamics	15	None
Level 2				
11	UFMFHA-15-2	Project Management	15	None
12	UFMFK9-15-2	Engineering Mathematics 2	15	UFMFJ9-30-1
13	UFMF88-30-2	Design & Electromechanical System	30	UFMFN3-30-1
14	UFMFQA-15-2	Stress Analysis	15	UFMFH3-30-1
15	UFMFL8-15-2	Dynamics	15	UFMFJ9-30-1 UFMFH3-30-1
16	UFMFW8-30-2	Heat Transfer, Power & Environment	30	UFMFG3-15-1
Level 3				
17	UFMFX8-30-3	Individual Project BEng	30	330 credits
18	UFMFU7-15-3	Computational Method	15	UFMFQA-15-2
19	UFCF95-15-3	Entrepreneurial Skills	15	None
Optional Modules Group 1 (Students must select 30 - 60 credits)				
20	UFMFXJ-15-3	Vibrational Dynamics	15	UFMFL8-15-2
21	UFMFYJ-15-3	Control Engineering	15	UFMFK9-15-2
22	UFMFV8-15-3	Group Design & Integration Project	15	None
23	UFMFSL-15-3	Integrated Electro-Mech Systems	15	UFMF88-30-2
24	UFMF7K-15-3	Materials and Structures for Special Applications	15	UFMF88-30-2
Optional Modules Group 2 (Students must select 15 credits)				
25	UFMFD7-15-3	Energy Technologies	15	None
26	UFMFTA-15-3	Thermofluid Systems	15	UFMFW8-30-2
Optional Modules Group 3 (Students must select 15 credits)				
27	UFMFP9-15-3	Mechanics of Materials	15	UFMFQA-15-2
28	UFMFU6-15-3	Composite Engineering	15	None
Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0.				

Study Plan - BEng (Hons) Mechanical Engineering and Technology [Vehicle Technology]

S/N	Module Code	Module Title	Credit	Prerequisite
Level 0				
1	UFMFBG-30-0	Foundation Mathematics: Algebra & Calculus	30	None
2	UFMFEG-30-0	Engineering Experimentation	30	None
3	UFCFGK-30-0	Professional and Academic Skills	30	None
4	UFCEXX-30-0	Program Design and Implementation	30	None
5	GCET-15-0	Omani Culture	0	None
Level 1				
6	UFMFJ9-30-1	Engineering Mathematics	30	None
7	UFMFH3-30-1	Stress & Dynamics	30	None
8	UFMFN3-30-1	Design, Materials and Manufacturing	30	None
9	UFMFG3-15-1	Fluid Dynamics	15	None
10	UFMFF3-15-1	Energy and Thermodynamics	15	None
Level 2				
11	UFMFHA-15-2	Project Management	15	None
12	UFMFK9-15-2	Engineering Mathematics 2	15	UFMFJ9-30-1
13	UFMF88-30-2	Design & Electromechanical System	30	UFMFN3-30-1
14	UFMFQA-15-2	Stress Analysis	15	UFMFH3-30-1
15	UFMFL8-15-2	Dynamics	15	UFMFJ9-30-1 UFMFH3-30-1
16	UFMFMC-30-2	Automotive Technology	30	UFMFJ9-30-1
Level 3				
17	UFMFX8-30-3	Individual Project BEng	30	330 credits
18	UFMFU7-15-3	Computational Method	15	UFMFQA-15-2
19	UFCF95-15-3	Entrepreneurial Skills	15	None
20	UFMFXJ-15-3	Vibrational Dynamics	15	UFMFL8-15-2
Optional Modules Group 1 (Students must select only one 15 credit module)				
21	UFMFYJ-15-3	Control Engineering	15	UFMFK9-15-2
22	UFMFU6-15-3	Composite Engineering	15	None
23	UFMFD7-15-3	Energy Technologies	15	None
24	UFMFV8-15-3	Group Design & Integration Project	15	None
25	UFMF7K-15-3	Materials and Structures for Special Applications	15	UFMF88-30-2
26	UFMFP9-15-3	Mechanics of Materials	15	UFMFQA-15-2
Optional Modules Group 2 (Students must select only one 30 credit module)				
27	UFMFNC-30-3	Automotive Manufacturing	30	UFMFMC-30-2
28	UFMFT9-30-3	Motorsport Performance	30	UFMFMC-30-2
Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0.				

Study Plan - BEng (Hons) Mechanical Engineering and Technology [Mechatronics]

S/N	Module Code	Module Title	Credit	Prerequisite
		Level 0		
1	UFMFBG-30-0	Foundation Mathematics: Algebra & Calculus	30	None
2	UFMFEG-30-0	Engineering Experimentation	30	None
3	UFCFGK-30-0	Professional and Academic Skills	30	None
4	UFCEXX-30-0	Program Design and Implementation	30	None
5	GCET-15-0	Omani Culture	0	None
		Level 1		
6	UFMFJ9-30-1	Engineering Mathematics	30	None
7	UFMFH3-30-1	Stress & Dynamics	30	None
8	UFMFN3-30-1	Design, Materials and Manufacturing	30	None
9	UFMFN7-15-1	C Programming	15	None
10	UFMFCA-15-1	Practical Electronics	15	None
		Level 2		
11	UFMFHA-15-2	Project Management	15	None
12	UFMFK9-15-2	Engineering Mathematics 2	15	UFMFJ9-30-1
13	UFMF88-30-2	Design & Electromechanical System	30	UFMFN3-30-1
14	UFMFL8-15-2	Dynamics	15	UFMFJ9-30-1 UFMFH3-30-1
15	UFMFV7-15-2	Control	15	UFMFJ9-30-1
16	UFMFHM-15-2	Programmable Logic Controller Design	15	UFMFCA-15-1
17	UFMFPK-15-2	Sensors, Transducers & Actuators	15	UFMFCA-15-1
		Level 3		
18	UFMFX8-30-3	Individual Project BEng	30	330 credits
19	UFCF95-15-3	Entrepreneurial Skills	15	None
20	UFMFSL-15-3	Integrated Electro-Mech Systems	15	UFMF88-30-2
21	UFMFV8-15-3	Group Design & Integration Project	15	None
22	UFMF99-15-3	Intelligent and Adaptive Systems	15	None
23	UFMFFR-30-3	Materials for Semiconductors	30	None

Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0.

Study Plan - BEng (Hons) Mechanical Engineering and Technology [Manufacturing]

S/N	Module Code	Module Title	Credit	Prerequisite
		Level 0		
1	UFMFBG-30-0	Foundation Mathematics: Algebra & Calculus	30	None
2	UFMFEG-30-0	Engineering Experimentation	30	None
3	UFCFGK-30-0	Professional and Academic Skills	30	None
4	UFCEXX-30-0	Program Design and Implementation	30	None
5	GCET-15-0	Omani Culture	0	None
		Level 1		
6	UFMFJ9-30-1	Engineering Mathematics	30	None
7	UFMFH3-30-1	Stress & Dynamics	30	None
8	UFMFN3-30-1	Design, Materials and Manufacturing	30	None
9	UFMFG3-15-1	Fluid Dynamics	15	None
10	UFMFF3-15-1	Energy and Thermodynamics	15	None
		Level 2		
11	UFMFHA-15-2	Project Management	15	None
12	UFMFK9-15-2	Engineering Mathematics 2	15	UFMFJ9-30-1
13	UFMF88-30-2	Design & Electromechanical System	30	UFMFN3-30-1
14	UFMFQA-15-2	Stress Analysis	15	UFMFH3-30-1
15	UFMFXA-15-2	Quality Control Systems	15	None
16	UFMFN8-15-2	Design for Manufacture, Assembly and Environment	15	UFMFN3-30-1
17	UFMFP7-15-2	Manufacturing Technology	15	UFMFN3-30-1
		Level 3		
18	UFMFX8-30-3	Individual Project BEng	30	330 credits
19	UFMFU7-15-3	Computational Method	15	UFMFQA-15-2
20	UFCF95-15-3	Entrepreneurial Skills	15	None
21	UFMFSL-15-3	Integrated Electro-Mech Systems	15	UFMF88-30-2
22	UFMFTB-15-3	Lean Factory Design	15	UFMFXA-15-2
23	UFMFPB-15-3	Reliability Engineering & Asset Management	15	UFMFN8-15-2
Elective Modules Group 1 (Students must select only one 15 credit module)				
24	UFMFU6-15-3	Composite Engineering	15	None
25	UFMFV8-15-3	Group Design & Integration Project	15	None
26	UFMF7K-15-3	Materials and Structures for Special Applications	15	UFMF88-30-2

Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0.

BEng (Hons) **Building Services Engineering**

Minimum Entry Requirements

Holders of the Omani General Education Diploma or an equivalent qualification with a minimum overall average of 65%. A minimum of 60% in Pure Mathematics, 60% in Physics and 55% in English Language.

Successful completion of GCET Foundation Studies Programme with a minimum of 50% in each component. Diploma Holders are encouraged to apply for advanced entry.

Introduction to the Programme

Buildings are becoming ever more complex, and there is a high demand for technically inspired graduates who understand new technologies. Building services professionals are at the forefront of innovation in architectural engineering, sustainability, energy efficiency, intelligent buildings, and the latest building information modelling (BIM) software. Engineers who pursue a professional career in building services can expect to become involved in a broad range of activities demanding not only a progressive approach to technical innovation, but also a clear understanding of the operational and commercial aspects of the construction industry and the contextual responsibilities to society and the environment.

The programme aims to provide an outstanding educational experience that will prepare graduates for related careers in the field of building services engineering, giving them the requisite skills, creativity, and enthusiasm to make a meaningful contribution to their profession.

What you will be studying?

At the beginning of the programme, you will study Mathematics for Civil and Environmental Engineering, Engineering Principles (Building Engineering), Construction Technology and Services, Law, Economics and Management, and Building Science.

As you progress, Building Services Applications, Energy Transformations, Application of Mathematics in Civil and Environmental Engineering, Procurement and Contract Practice, Sustainability and Energy Simulations, Low Carbon Building Services, and Interactive Systems and Comfort Control subjects are taught. Alongside this, you will also develop professional skills in project planning, group work, and communication. Throughout the programme, you will apply the acquired knowledge through practical laboratory work using our state-of-the-art lab facilities. You will get an inside track on the industry through factory tours and professional briefings from leading organisations. In the final year, you will also take a design project and a dissertation module to demonstrate the knowledge you have gained in the programme.

Where can it take you?

You could find graduate opportunities with the multinational or private sector. Career paths include consultancy, design engineering, specialist installation and maintenance contracting, and facilities or property management.

Study Plan - BEng (Hons) Building Services Engineering

S/N	Module Code	Module Title	Credit	Prerequisite
Level 0				
1	UFMFBG-30-0	Foundation Mathematics: Algebra & Calculus	30	None
2	UFMFAG-30-0	Foundation Mechanics	30	None
3	UFMFEG-30-0	Engineering Experimentation	30	None
4	UBLMPA-30-0	Foundation Year Project	30	None
5	GCET-15-0	Omani Culture	0	None
Level 1				
6	UFMFYG-15-1	Mathematics for Civil and Environmental Engineering	15	None
7	UBLLWQ-15-1	Engineering Principles (Building Engineering)	15	None
8	UBLMYS-30-1	Construction Technology and Services	30	None
9	UBLMSS-30-1	Environmental Physics and Materials	30	None
10	UBLMPC-30-1	Law, Economics and Management	30	None
Level 2				
11	UBLMTB-30-2	Building Services Applications	30	None
12	UBLMH8-15-2	Energy Transformations	15	None
13	UFMFF7-15-2	Application of Mathematics in Civil and Environmental Engineering	15	UFMFYG-15-1
14	UBLMRT-30-2	Procurement and Contract Practice	30	None
15	UBLLYF-15-2	Sustainability and Energy Simulations	15	None
16	UFCF95-15-3	Entrepreneurial Skills	15	None
Level 3				
17	UBLMHP-15-3	Interactive Systems and Comfort Control	15	None
18	UBLMGP-15-3	Energy Management and Performance Evaluation	15	None
19	UBLMPB-30-3	Mechanical Services	30	UFMFF7-15-2
20	UBLLXE-30-3	Design Project	30	UBLMTB-30-2
21	UBLLYV-30-3	Dissertation	30	None

Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0 credits.

BEng (Hons) **Electronics and Telecommunication Engineering**

Offered Awards: Bachelor, Advance Diploma, Diploma

Duration of Study

Depending on the desired qualification/academic level
Bachelor: 4 Academic Years Full Time and up to 8 Years Part Time or Flexible
Advance Diploma: 3 Academic Years Full Time and up to 6 Years Part Time.
Diploma: 2 Academic Years Full Time and up to 4 Years Part Time or Flexible

Minimum Entry Requirements

Holders of the Omani General Education Diploma or an equivalent qualification with a minimum overall average of 65%. A minimum of 60% in Pure Mathematics, 60% in Physics and 55% in English Language.
Successful completion of GCET Foundation Studies Programme with a minimum of 50% in each component. Diploma Holders are encouraged to apply for advanced entry.

Introduction to the Programme

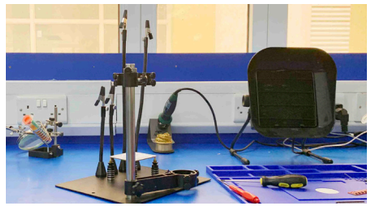
Imagine the world without electricity, communication technologies, or electronic devices. It would be easy to see why Electrical, Electronics, and Telecommunication Engineering is vital to our survival and to the development of future technologies. Electronics and Telecommunications engineers play a crucial role in the design, development, and distribution.

What you will be studying?

At the beginning of the programme, you will study digital and analogue electronics, engineering mathematics, and computer programming, as well as a wide range of electronic engineering applications.

As you progress, subjects such as signal processing, microcontroller-based systems, communication systems, control systems, and digital hardware design are taught. Alongside this, you will also develop professional skills in project planning, group work, and communication.

Throughout the programme, you will apply the acquired knowledge through practical laboratory work using our state-of-the-art lab facilities.



Where can it take you?

Electronics & telecommunication Engineers are in great demand because of the rapid advancement of electronics and telecommunication technologies and their applications in the region and around the Globe.
These advancements create continuous job opportunities for competent Engineers who can deal with and develop these disciplines further. The broadness of Electronics and Telecommunication Engineering allows our graduates to have great career prospects. Typical employers (including and not limited to) are telecommunication service providers, companies from the Oil & Gas industry, petrochemical companies, Bio-Medical companies, defence and security, remote sensing companies, and Government entities.
Opportunities are also available in manufacturing, transport and rail, aviation, and many other industries. Moreover, Electronics and Telecommunication Engineers have the skills and the ability to start their own businesses in the booming market situation, and the opportunities are countless.

Study Plan - BEng (Hons) Electronics and Telecommunication Engineering

S/N	Module Code	Module Title	Credit	Prerequisite
Level 0				
1	UFMFBG-30-0	Foundation Mathematics: Algebra & Calculus	30	None
2	UFCFGK-30-0	Professional and Academic Skills	30	None
3	UFMFEG-30-0	Engineering Experimentation	30	None
4	UFCEXX-30-0	Program Design and Implementation	30	None
5	GCET-15-0	Omani Culture	0	None
Level 1				
6	UFMFP8-15-1	Electrical and Electronic Principles (A)	15	None
7	UFMFN7-15-1	C Programming	15	None
8	UFMFJ9-30-1	Engineering Mathematics	30	None
9	UFMFF8-30-1	Digital Principles	30	None
10	UFMFVA-15-1	Electrical and Electronic Principles (B)	15	None
11	UFMFCA-15-1	Practical Electronics	15	None
Level 2				
12	UFMFL9-15-2	Mathematics for Signals and Control	15	UFMFJ9-30-1
13	UFMFHA-15-2	Project Management	15	None
14	UFMFKA-30-2	Microcontrollers Applications Group Lab	30	None
15	UFMFR7-15-2	Communications, Signals and Filters	15	UFMFP8-15-1
16	UFMFV7-15-2	Control	15	UFMFJ9-30-1
Elective Modules (Student will choose 30 credits from the elective modules)				
17	UFMFE8-30-2	Digital Design [Elective]	30	UFMFF8-30-1
18	UFMFMA-15-2	Signal Processing and Circuits [Elective]	15	UFMFP8-15-1
19	UFMFJ8-15-2	Drives and Motion [Elective]	15	UFMFVA-15-1 UFMFCA-15-1
20	UFMFRJ-15-2	Power Systems Fundamentals [Elective]	15	None
21	UFMFQ8-30-2	Electrical Technology [Elective]	30	UFMFJ9-30-1
Level 3				
22	UFMFX8-30-3	Individual Project BEng	30	330 credits
23	UFMFS7-15-3	Communication	15	UFMFL9-15-2
24	UFCF95-15-3	Entrepreneurial Skills	15	None
25	UFMFKN-15-3	Mobile and Wireless Communication	15	None
26	UFMFLN-15-3	Satellite Communications	15	UFMFL9-15-2
27	UFMFJN-15-3	Radio Frequency and Microwaves Circuit Design	15	UFMFL9-15-2
Elective Modules (Student will choose 15 credits from the elective modules)				
28	UFMFV8-15-3	Group Design and Integration Project [Elective]	15	None
29	UFMFW7-15-3	Control Systems Design [Elective]	15	UFMFMA-15-2
30	UFMFH8-15-3	Digital Signal Processing [Elective]	15	None
31	UFMFD7-15-3	Energy Technologies [Elective]	15	None
Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0.				

BEng (Hons) **Automation and Robotics Engineering**

Offered Awards: Bachelor, Advance Diploma, Diploma

Duration of Study

Depending on the desired qualification/academic level
Bachelor: 4 Academic Years Full Time and up to 8 Years Part Time or Flexible
Advance Diploma: 3 Academic Years Full Time and up to 6 Years Part Time.
Diploma: 2 Academic Years Full Time and up to 4 Years Part Time or Flexible

Minimum Entry Requirements

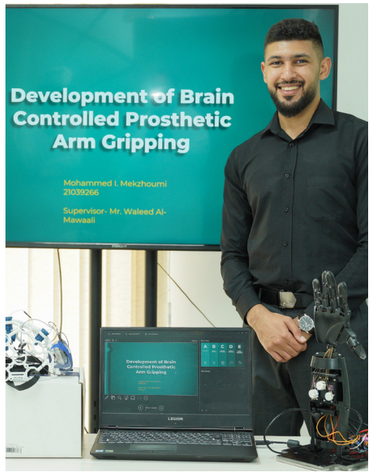
Holders of the Omani General Education Diploma or an equivalent qualification with a minimum overall average of 65%. A minimum of 60% in Pure Mathematics, 60% in Physics and 55% in English Language.
Successful completion of GCET Foundation Studies Programme with a minimum of 50% in each component. Diploma Holders are encouraged to apply for advanced entry.

Introduction to the Programme

Automation and robotics is a specialised engineering branch that provides in-depth knowledge in the areas concerning electro-mechanics, robotic sensors, autonomous systems, and artificial intelligence. The programme also deals with designing robots, maintaining them, developing new applications, and researching in the automation systems. Concepts like auto-driven cars are the genesis of the programme.

What you will be studying?

At the beginning of the programme, you will study Robotic system PLC design, engineering mathematics, and computer programming, as well as a wide range of electronic engineering applications. As you progress, subjects such as signal processing, microcontroller-based systems, mechatronics, machine vision, embedded systems, artificial intelligence, control systems, and digital hardware design are taught. Alongside this, you will also develop professional skills in project planning, group work, and communication. Throughout the programme, you will apply the acquired knowledge through practical laboratory work using our state-of-the-art lab facilities. You will get an inside track on the industry through factory tours and professional briefings from leading organisations. In the final year, you will also take an individual project module to demonstrate the knowledge you have gained in the programme.



Where can it take you?

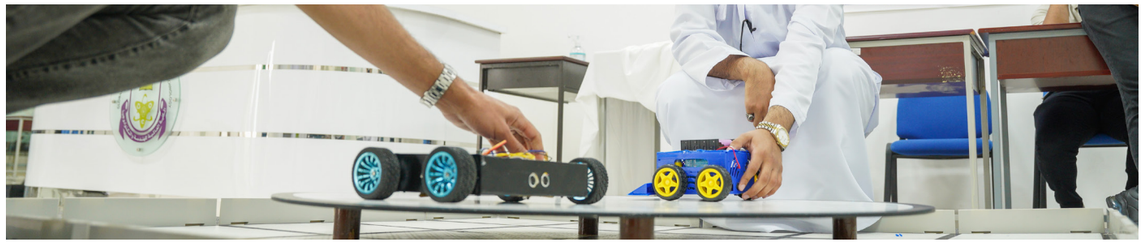
With the arrival of the 'Fourth Industrial Revolution', the impact of digitisation, automation, and artificial intelligence on the economy has been huge and has led to an increased demand for experts in the area of Robotics and Automation Engineering.
Your knowledge on how to make machines interact with their environment could take your career in a variety of directions, including modern automated manufacturing systems and processes, manufacturing and food industries, the development of ambient assisted living, new internet and mobile technologies, or automotive production.

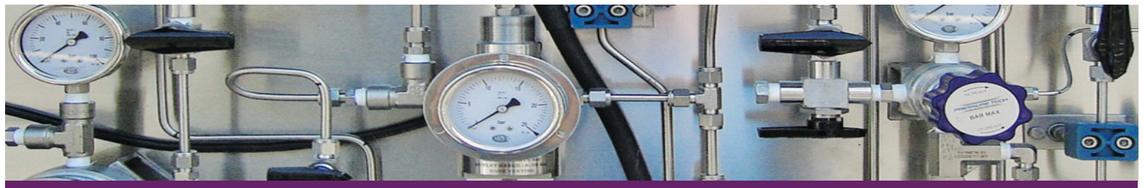
- Automation designer/engineer/operator.
- Robotics designer/engineer/operator.
- Embedded system designer/engineer.

Study Plan - BEng (Hons) Automation and Robotics Engineering

S/N	Module Code	Module Title	Credit	Prerequisite
		Level 0		
1	UFMFBG-30-0	Foundation Mathematics: Algebra & Calculus	30	None
2	UFCFGK-30-0	Professional and Academic Skills	30	None
3	UFMFAG-30-0	Foundation Mechanics	30	None
4	UFCEXX-30-0	Program Design and Implementation	30	None
5	GCET-15-0	Omani Culture	0	None
		Level 1		
6	UFCFE3-15-1	Introductory Artificial Intelligence For Robotics	15	None
7	UFMFN7-15-1	C Programming	15	None
8	UFMFJ9-30-1	Engineering Mathematics	30	None
9	UFMFR8-15-1	Digital Principles for Robotics	15	None
10	UFMFJ3-30-1	Introduction To Robotics & Electronic	30	None
11	UFMFCA-15-1	Practical Electronics	15	None
		Level 2		
12	UFMFL9-15-2	Mathematics for Signals and Control	15	UFMFJ9-30-1
13	UFMFR9-15-2	Mechatronics	15	None
14	UFMFKA-30-2	Microcontrollers Applications Group Lab	30	None
15	UFMFHM-15-2	PLC Design	15	UFMFR8-15-1
16	UFMFHA-15-2	Project Management	15	None
17	UFMFJA-30-2	Robotic Systems	30	UFMFJ3-30-1
		Level 3		
18	UFMFX8-30-3	Individual Project BEng	30	330 credits of which 90 credits at level 2
19	UFMFNF-15-3	Probabilistic Robotics	15	None
20	UFCF95-15-3	Entrepreneurial Skills	15	None
21	UFMFC9-15-3	Machine Vision	15	None
22	UZRSSR-15-3	Ethics of Technology	15	None
23	UFMF99-15-3	Intelligent And Adaptive Systems	15	None
Elective Modules (Student will choose 15 credits from the elective modules)				
24	UFMFV8-15-3	Group Design and Integration Project [Elective]	15	None
25	UFMFH8-15-3	Digital Signal Processing [Elective]	15	None
26	UFCFU3-15-3	Advanced Databases [Elective]	15	None

Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0.





BEng (Hons) **Instrumentation and Control Engineering**

Offered Awards: Bachelor, Advance Diploma, Diploma

Duration of Study

Depending on the desired qualification/academic level
Bachelor: 4 Academic Years Full Time and up to 8 Years Part Time or Flexible
Advance Diploma: 3 Academic Years Full Time and up to 6 Years Part Time.
Diploma: 2 Academic Years Full Time and up to 4 Years Part Time or Flexible

Minimum Entry Requirements

Holders of the Omani General Education Diploma or an equivalent qualification with a minimum overall average of 65%. A minimum of 60% in Pure Mathematics, 60% in Physics and 55% in English Language.
Successful completion of GCET Foundation Studies Programme with a minimum of 50% in each component. Diploma Holders are encouraged to apply for advanced entry.

Introduction to the Programme

This programme provides students with fundamental Engineering skills and information in electronic Engineering with a focus on measurement, sensing, control systems, electronic sensors, remote sensing, signal processing, intelligent sensors, and intelligent control methods. Instrumentation and Control Engineers are employed in a range of modern industrial settings such as the Oil & Gas industry, mining & Energy industries, the healthcare sector, and more.

What you will be studying?

At the beginning of the programme, you will study the principles of sensors, transducers, actuators, Engineering mathematics, and computer programming. You will also gain a wide range of electronic Engineering applications.

As you progress, signal processing, microcontroller-based systems, communication systems, control systems, measurement techniques, and instrumentation subjects are taught, as well as the design of adaptive and intelligent remote sensing systems.
In addition, you will develop professional skills in project planning, group work, and communication. Throughout the programme, you will apply the acquired knowledge through practical laboratory work using our state-of-the-art lab facilities. You will get an inside track on the industry through factory tours and professional briefings from leading organisations.
In the final year, you will also take an individual project module to demonstrate the knowledge gained in the programme.

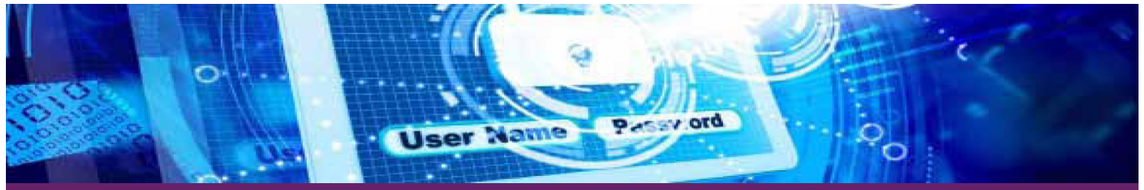
Where can it take you?

Instrumentation and Control Engineers are in great demand because of the rapid advancement of automated processes and industries. These advancements create continuous job opportunities for competent Engineers who can deal with and develop these disciplines further. This programme prepares you to have great career prospects. Typical employers are companies from the Oil & Gas industry, petrochemical companies, Bio-Medical companies, defence and security, remote sensing companies, and Government entities. Opportunities are also available in manufacturing, transport and rail, aviation, and many other industries.
If you are interested in pursuing postgraduate studies after completing the degree, then having a British qualification will facilitate admission to top universities in the world.

Study Plan - BEng (Hons) Instrumentation and Control Engineering

S/N	Module Code	Module Title	Credit	Prerequisite
		Level 0		
1	UFMFBG-30-0	Foundation Mathematics: Algebra & Calculus	30	None
2	UFCFGK-30-0	Professional and Academic Skills	30	None
3	UFMFEG-30-0	Engineering Experimentation	30	None
4	UFCEXX-30-0	Program Design and Implementation	30	None
5	GCET-15-0	Omani Culture	0	None
		Level 1		
6	UFMFP8-15-1	Electrical and Electronic Principles (A)	15	None
7	UFMFN7-15-1	C Programming	15	None
8	UFMFJ9-30-1	Engineering Mathematics	30	None
9	UFMFF8-30-1	Digital Principles	30	None
10	UFMFVA-15-1	Electrical and Electronic Principles (B)	15	None
11	UFMFCA-15-1	Practical Electronics	15	None
		Level 2		
12	UFMFL9-15-2	Mathematics for Signals and Control	15	UFMFJ9-30-1
13	UFMFHA-15-2	Project Management	15	None
14	UFMFKA-30-2	Microcontrollers Applications Group Lab	30	None
15	UFMFMA-15-2	Signal Processing and Circuits	15	UFMFVA-15-1
16	UFMFV7-15-2	Control	15	UFMFJ9-30-1
17	UFMFNP-15-2	Measurements And Instrumentations	15	UFMFCA-15-1 or UFMFVA-15-1
18	UFMFPK-15-2	Sensors, Transducers And Actuators	15	UFMFCA-15-1
		Level 3		
19	UFMFX8-30-3	Individual Project BEng	30	330 credits of which 90 credits at level 2
20	UFMFPP-15-3	Remote Sensing	15	UFMFNP-15-2
21	UFMF99-15-3	Intelligent And Adaptive Systems	15	UFMFW7-15-3
22	UFMFW7-15-3	Control Systems Design	15	UFMFMA-15-2 UFMFV7-15-2
23	UFCF95-15-3	Entrepreneurial Skills	15	None
24	UFMFV8-15-3	Group Design And Integration Project	15	None
Elective Modules (Student will choose 15 credits from the elective modules)				
25	UFMFS7-15-3	Communication [Elective]	15	UFMFL9-15-2
26	UFMFH8-15-3	Digital Signal Processing [Elective]	15	UFMFVA-15-1
27	UFMFE7-15-3	Analogue Electronics [Elective]	15	None
28	UFMFDE-15-3	Power Electronics [Elective]	15	UFMFVA-15-1 or UFMFCA-15-1 UFMFP8-15-1

Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0.



BSc (Hons) **Computer Security and Forensics**

Offered Awards: Bachelor, Advance Diploma, Diploma

Duration of Study

Depending on the desired qualification/academic level
Bachelor: 4 Academic Years Full Time and up to 8 Years Part Time or Flexible
Advance Diploma: 3 Academic Years Full Time and up to 6 Years Part Time.
Diploma: 2 Academic Years Full Time and up to 4 Years Part Time or Flexible

Minimum Entry Requirements

Omani General Education Diploma – Science and Art/ Humanities Track or an equivalent qualification, with a minimum overall average of 65% with a minimum of 60% in Applied or Pure Mathematics or Information Technology and 55% in English Language.
Successful completion of GCET Foundation Studies Programme with a minimum of 50% in each component. Diploma Holders are encouraged to apply for advanced entry.

Introduction to the Programme

The BSc (Hons) Computer Security and Forensics equips students with the knowledge and practical skills needed to protect digital systems and investigate cyber incidents. As cyber threats intensify worldwide, skilled professionals are vital to defend critical infrastructure, protect personal and organisational data, and support law enforcement and legal processes.
This programme blends core computing with advanced cybersecurity, ethical hacking, and digital forensic investigation, ensuring a balance of theoretical depth and hands-on application. It is approved by MoHERI and awarded by the University of the West of England (UWE Bristol), giving graduates an internationally recognised UK qualification. Through industry partnerships such as EC-Council, students gain access to discounted certifications like CEH, CND, and CHFI, boosting their employability and global career potential.

What you will be studying?

The curriculum combines technical foundations with specialised security and forensics training. Students will:
• Build a solid grounding in computing, networking, and operating systems security.
• Learn to identify, mitigate, and respond to cyber threats and attacks.
• Master digital evidence acquisition, preservation, and forensic analysis using professional tools.
• Study cyber laws, regulations, and ethical standards in digital investigations.
• Work on real-world case studies, incident simulations, and investigative reporting.
•Develop professional skills in communication, technical documentation, and expert testimony.
This strong blend of theory, lab-based practice, and legal context ensures graduates are work-ready from day one.

Where can it take you?

Graduates enter one of the fastest-growing global industries, with opportunities across law enforcement, critical infrastructure, finance, healthcare, and private cybersecurity firms. You will graduate with:
• Advanced skills in securing networks, analysing threats, and conducting forensic investigations.
• Knowledge of legal frameworks and evidence handling.
• Proficiency with industry-recognised cybersecurity and forensic tools.
Career paths include:
• Digital Forensics Analyst
• Cybersecurity Analyst
• Incident Response Specialist
• Information Security Consultant
• Law Enforcement Forensics Officer
• e-Discovery Specialist

Study Plan - BSc (Hons) Computer Security and Forensics

S/N	Module Code	Module Title	Credit	Prerequisite
Level 0				
1	UFCE4A-15-0	Introduction to Creative Technologies	15	None
2	UFCFTN-30-0	Web Foundations	30	None
3	UFME49-15-0	Introduction to Digital Design	15	None
4	UFCFQN-30-0	Computational Thinking and Practice	30	None
5	UFCFPN-30-0	Information Practitioner Foundations	30	None
6	GCET-15-0	Omani Culture	0	None
Level 1				
7	UFCFC3-30-1	Introduction to OO Systems Development	30	None
8	UFCF93-30-1	Computer and Network Systems	30	None
9	UFCFB3-30-1	Web Programming	30	None
10	UFCFP4-30-1	Computer Crime and Digital Evidence	30	None
Level 2				
12	UFCFW5-30-2	Mobile and Embedded Devices	30	UFCF93-30-1
13	UFCFJ6-30-2	Security and Forensic Tools	30	UFCFP4-30-1
14	UFCE8B-30-2	Data Science for Cyber Security	30	None
15	UFCFLC-30-2	Secure Computer Networks	30	UFCF93-30-1
Level 3				
16	UFCFR4-45-3	Computing Project	45	330 Credits, 90 at L2
17	UFCF95-15-3	Entrepreneurial Skills	15	None
18	UFCFRB-15-3	Security Management in Practice	15	None
19	UFCFC5-15-3	Forensic Computing Practice	15	None
Elective Modules (Student will choose 30 credits from the elective modules)				
20	UFCFM6-15-3	Requirements Engineering (Elective)	15	None
21	UFCFU3-15-3	Advanced Databases (Elective)	15	UFCFB3-30-1
22	UFCFT4-15-3	Cryptography (Elective)	15	UFCFC3-30-1
23	UFCF7H-15-3	Mobile Applications (Elective)	15	None
24	UFCFVJ-15-3	Professional Development (Elective)	15	None
25	UFCFD5-15-3	Technical Writing and Editing (Elective)	15	None
26	UFCFE6-15-3	Professional Experience (Elective)	15	None

Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0.

BSc (Hons) **Business Computing**

Offered Awards: Bachelor, Advance Diploma, Diploma

Duration of Study

Depending on the desired qualification/academic level
Bachelor: 4 Academic Years Full Time and up to 8 Years Part Time or Flexible
Advance Diploma: 3 Academic Years Full Time and up to 6 Years Part Time.
Diploma: 2 Academic Years Full Time and up to 4 Years Part Time or Flexible

Minimum Entry Requirements

Omani General Education Diploma – Science and Art/ Humanities Track or an equivalent qualification, with a minimum overall average of 65% with a minimum of 60% in Applied or Pure Mathematics or Information Technology and 55% in English Language.
Successful completion of GCET Foundation Studies Programme with a minimum of 50% in each component. Diploma Holders are encouraged to apply for advanced entry.

Introduction to the Programme

Business Computing – Where digital technologies meet business innovation! In today's rapidly changing world, business institutions need more than just technical experts; they need problem solvers who can bridge the gaps between IT/IS Strategy and Business Strategy. From building a dynamic website to unlocking insights through data analytics, the business computing field empowers you with the relevant skills that will help you turn raw data into informed decisions that align with the United Nations Sustainable Development Goals (SDGs) and Oman 2040 Vision. In Business Computing, you will explore programming, data science, digital marketing, and social media analytics, while developing a comprehensive understanding of business strategy and an accurate decision-making process. This integrated skillset will open diverse career opportunities across industries, preparing graduates to become valuable contributors to the evolving digital economy.

What you will be studying?

At the beginning of the programme, you will study, Computational Thinking and Practice, Web Foundations, Creative Technology Studies and Information Practitioner Foundations. As you progress, Introduction to Object Oriented System development, business applications, are taught. Alongside this, you will develop business skills such as understanding organisations and peoples, principles of marketing and project management. Throughout the programme, you will apply the acquired knowledge through practical laboratory work using state-of-the-art lab facilities. In the final year, you will study, business intelligence and data mining, ethical and professional issues in computing and digital media along with software development project module to demonstrate the knowledge gained by you in the programme

Where can it take you?

As a graduate in the field of Business Computing, you'll have a strong mix of computing and data analytics skills within a business environment. This will put you in an excellent position for a wide range of IT-focused careers including, but not limited to, Computer Programmer, General System Analyst, IT Auditor, Operations Analyst, Management Information Systems Specialist, Database Specialist, Administration Manager, Marketing Manager, Marketing Specialist, Sales Manager, Sales Specialist, Purchasing Manager, Business Management Specialist, Administrative Affairs Specialist and Administration Secretary.

Study Plan - BSc (Hons) Business Computing

S/N	Module Code	Module Title	Credit	Prerequisite
Level 0				
1	UFCFQN-30-0	Computational Thinking and Practice	30	None
2	UFCFPN-30-0	Information Practitioner Foundations	30	None
3	UFCE4A-15-0	Introduction to Creative Technologies	15	None
4	UFCFTN-30-0	Web Foundations	30	None
5	UFME49-15-0	Introduction to Digital Design	15	None
6	GCET-15-0	Omani Culture	0	None
Level 1				
7	UFCE8R-30-1	Foundational Technical Skills	30	None
8	UFCE8Q-30-1	Business Management Fundamentals	30	None
9	UFCFP3-30-1	Business Applications	30	None
10	UFCF83-30-1	IT Practice: Skills, Models and Methods	30	None
Level 2				
11	UFCFV4-30-2	Data, Schemas and Applications	30	None
12	UFCFN6-30-2	IT Practice: Collaborative Project	30	UFCF83-30-1
13	UFCE8T-30-2	Digital Business	30	None
14	UFCFG6-30-2	Project Management	30	None
Level 3				
15	UFCFFF-30-3	Software Development Project	30	330 Credits, 90 at L2
16	UFCFMM-30-3	Business Intelligence and Data Mining	30	None
17	UFCE8U-15-3	Professional Preparation	15	None
18	UFCFB5-15-3	Ethical & Professional Issues in Computing & Digital Media	15	None
19	UFCF95-15-3	Entrepreneurial Skills	15	None
Elective Modules (Student will choose 15 credits from the elective modules)				
20	UFCFRB-15-3	Security Management in Practice (Elective)	15	None
21	UFCFLM-15-3	Sustainable Business and Computing (Elective)	15	None
22	UFCFE6-15-3	Professional Experience (Elective)	15	None
Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0.				

BSc (Hons) **Computer Science Pathway to:**
▪ **Artificial Intelligence** ▪ **Smart Devices**

Offered Awards: Bachelor, Advance Diploma, Diploma

Duration of Study

Depending on the desired qualification/academic level
Bachelor: 4 Academic Years Full Time and up to 8 Years Part Time or Flexible
Advance Diploma: 3 Academic Years Full Time and up to 6 Years Part Time.
Diploma: 2 Academic Years Full Time and up to 4 Years Part Time or Flexible

Minimum Entry Requirements

Omani General Education Diploma – Science and Art/ Humanities Track or an equivalent qualification, with a minimum overall average of 65% with a minimum of 60% in Applied or Pure Mathematics or Information Technology and 55% in English Language.
Successful completion of GCET Foundation Studies Programme with a minimum of 50% in each component. Diploma Holders are encouraged to apply for advanced entry.

Introduction to the Programme

Through modern teaching methods, this programme provides a flexible computer science education that focuses on preparing students to work on complex algorithms, implement software on modern platforms, and take advantage of big data. Through carefully designed and selected modules, students can learn from experienced tutors who conduct our exceptional artificial intelligence (AI) research, to develop smart algorithms and computer systems, and become familiar with the rapidly evolving world of smart devices. Depending on the student's interests, they have a choice of three specialist pathways, focusing on AI, smart devices, or Computer Science in general.

What you will be studying?

In this course, you can select one of three specializations, including AI, Smart Devices, or Computer Science. The AI pathway will allow you to learn how to differentiate fact from fiction.

You will learn about AI in a practical context, using problem-based learning that is informed by collaborative research with industry and government. Upon completing level 1, you will be familiar with contemporary AI concepts, uses, and processes.

As a Smart Devices specialist, you will learn how to integrate electronic appliances with computing. You will acquire a wide range of skills, spanning several digital industries.
Depending on your interests and career goals, you can tailor the content from level 2. Some of our graduates will be able to gain advanced skills in AI and Data Analytics during the final year modules.

Where can it take you?

Upon completion of the specialist pathway, students will receive a BSc (Hons) Computer Science/BSc (Hons) Computer Science [Artificial Intelligence]/BSc (Hons) Computer Science [Smart Devices] degree. Regardless of the pathway you choose, you will be well-positioned for a career in industry or research after leaving us. Your final year will allow you to acquire advanced AI and Data Analytics skills, depending on the specialization path you choose.
These skills are highly sought after by employers, so you can start a rewarding career immediately after graduation as a result of the skills shortage. As part of this programme, you will also gain relevant experience in AI through year-long projects and advanced research modules. Learn to resolve practical and ethical issues when applying AI in the real world so that you can make a positive impact on people's lives.
Digital technologies have become a part of our everyday lives, so you can find digital jobs in every industry and sector today. Smart Devices also provide a foundation for students to be successful in these fields. Employers will expect future workers to possess a range of abilities, ranging from media and technology to digital marketing, to name a few. As a successful graduate, you could pursue a career in software engineering, web development, business analysis, IT project management, or consulting.

Study Plan - BSc (Hons) Computer Science

S/N	Module Code	Module Title	Credit	Prerequisite
Level 0				
1	UFCE4A-15-0	Introduction to Creative Technologies	15	None
2	UFCFTN-30-0	Web Foundations	30	None
3	UFME49-15-0	Introduction to Digital Design	15	None
4	UFCFQN-30-0	Computational Thinking and Practice	30	None
5	UFCFPN-30-0	Information Practitioner Foundations	30	None
6	GCET-15-0	Omani Culture	0	None
Level 1				
7	UFCFGS-15-1	Artificial Intelligence	15	None
8	UFCFDS-15-1	Computer Systems Architecture	15	None
9	UFCFFS-30-1	Foundations for Computing	30	None
10	UFCFHS-30-1	Principles of Programming	30	None
11	UFCFES-30-1	Web Development and Databases	30	None
Level 2				
12	UFCFYR-15-2	Advanced Algorithms	15	None
13	UFCFWK-15-2	Operating Systems	15	UFCFDS-15-1
14	UFCF7S-30-2	Systems Development Group Project	30	None
15	UFCF8S-30-2	Advanced Software Development	30	UFCFFS-30-1
16	UFCF9S-15-2	Artificial Intelligence II	15	UFCFGS-15-1
17	UFCFVK-15-2	Internet of Things	15	UFCFDS-15-1
Level 3				
18	UFCFXK-30-3	Digital Systems Project (semester 1 and semester 2)	30	330 Credits, 90 at L2
19	UFCFTR-30-3	Distributed and Enterprise Software Development	30	UFCF8S-30-2, UFCFHS-30-1 and UFCF7S-30-2
20	UFCF95-15-3	Entrepreneurial Skills	15	None
21	UFCFU3-15-3	Advanced Databases	15	UFCFES-30-1
Optional Modules Group 1 (Student will choose 15 credits from the Elective Group-1 modules)				
22	UFCF7H-15-3	Mobile Applications (Elective)	15	None
23	UFCFXR-15-3	Autonomous Agents and Multi-Agent Systems (Elective)	15	UFCFGS-15-1 and UFCFHS-30-1
24	UFCFJP-15-3	Big Data Analytics (Elective)	15	None
Optional Modules Group 2 (Student will choose 15 credits from the Elective Group-2 modules)				
25	UFCFWR-15-3	Advanced Systems Programming (Elective)	15	UFCF7S-30-2
26	UFCFEL-15-3	Security Data Analytics and Visualisation (Elective)	15	None
Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0.				

Study Plan - BSc (Hons) Computer Science [Artificial Intelligence]

S/N	Module Code	Module Title	Credit	Prerequisite
Level 0				
1	UFCE4A-15-0	Introduction to Creative Technologies	15	None
2	UFCFTN-30-0	Web Foundations	30	None
3	UFME49-15-0	Introduction to Digital Design	15	None
4	UFCFQN-30-0	Computational Thinking and Practice	30	None
5	UFCFPN-30-0	Information Practitioner Foundations	30	None
6	GCET-15-0	Omani Culture	0	None
Level 1				
7	UFCFGS-15-1	Artificial Intelligence	15	None
8	UFCFDS-15-1	Computer Systems Architecture	15	None
9	UFCFFS-30-1	Foundations for Computing	30	None
10	UFCFHS-30-1	Principles of Programming	30	None
11	UFCFES-30-1	Web Development and Databases	30	None
Level 2				
12	UFCFYR-15-2	Advanced Algorithms	15	None
13	UFCFWK-15-2	Operating Systems	15	UFCFDS-15-1
14	UFCF7S-30-2	Systems Development Group Project	30	None
15	UFCF8S-30-2	Advanced Software Development	30	UFCFFS-30-1
16	UFCF9S-15-2	Artificial Intelligence II	15	UFCFGS-15-1
17	UFCFAS-15-2	Machine Learning	15	UFCFGS-15-1
Level 3				
18	UFCFXK-30-3	Digital Systems Project (semester 1 and semester 2)	30	330 Credits, 90 at L2
19	UFCFTR-30-3	Distributed and Enterprise Software Development	30	UFCF8S-30-2 UFCFHS-30-1 and UFCF7S-30-2
20	UFCF95-15-3	Entrepreneurial Skills	15	None
21	UFCFU3-15-3	Advanced Databases	15	UFCFES-30-1
Optional Modules Group 1 (Student will choose 15 credits from the Elective Group-1 modules)				
22	UFCF7H-15-3	Mobile Applications (Elective)	15	None
23	UFCFXR-15-3	Autonomous Agents and Multi-Agent Systems (Elective)	15	UFCFGS-15-1 and UFCFHS-30-1
24	UFCFJP-15-3	Big Data Analytics (Elective)	15	None
Optional Modules Group 2 (Student will choose 15 credits from the Elective Group-2 modules)				
25	UFCFWR-15-3	Advanced Systems Programming (Elective)	15	UFCF7S-30-2
26	UFCFEL-15-3	Security Data Analytics and Visualisation (Elective)	15	None
Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0.				

Study Plan - BSc (Hons) Computer Science [Smart Devices]

S/N	Module Code	Module Title	Credit	Prerequisite
Level 0				
1	UFCE4A-15-0	Introduction to Creative Technologies	15	None
2	UFCFTN-30-0	Web Foundations	30	None
3	UFME49-15-0	Introduction to Digital Design	15	None
4	UFCFQN-30-0	Computational Thinking and Practice	30	None
5	UFCFPN-30-0	Information Practitioner Foundations	30	None
6	GCET-15-0	Omani Culture	0	None
Level 1				
7	UFCFGS-15-1	Artificial Intelligence	15	None
8	UFCFDS-15-1	Computer Systems Architecture	15	None
9	UFCFFS-30-1	Foundations for Computing	30	None
10	UFCFHS-30-1	Principles of Programming	30	None
11	UFCFES-30-1	Web Development and Databases	30	None
Level 2				
12	UFCFYR-15-2	Advanced Algorithms	15	None
13	UFCFWK-15-2	Operating Systems	15	UFCFDS-15-1
14	UFCF7S-30-2	Systems Development Group Project	30	None
15	UFCF8S-30-2	Advanced Software Development	30	UFCFFS-30-1
16	UFCF9S-15-2	Artificial Intelligence II	15	UFCFGS-15-1
17	UFCFVK-15-2	Internet of Things	15	UFCFDS-15-1
Level 3				
18	UFCFXK-30-3	Digital Systems Project (semester 1 and semester 2)	30	330 Credits, 90 at L2
19	UFCFTR-30-3	Distributed and Enterprise Software Development	30	UFCF8S-30-2 UFCFHS-30-1 and UFCF7S-30-2
20	UFCF95-15-3	Entrepreneurial Skills	15	None
21	UFCFVR-15-3	Communications and Protocols	15	UFCFVK-15-2 UFCFWK-15-2
Optional Modules Group 1 (Student will choose 15 credits from the Elective Group-1 modules)				
22	UFCF7H-15-3	Mobile Applications (Elective)	15	None
23	UFCFXR-15-3	Autonomous Agents and Multi-Agent Systems (Elective)	15	UFCFGS-15-1 and UFCFHS-30-1
24	UFCFJP-15-3	Big Data Analytics (Elective)	15	None
Optional Modules Group 2 (Student will choose 15 credits from the Elective Group-2 modules)				
25	UFCFWR-15-3	Advanced Systems Programming (Elective)	15	UFCF7S-30-2
26	UFCFEL-15-3	Security Data Analytics and Visualisation (Elective)	15	None
Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0.				

BSc (Hons) **Urban and Regional Planning**

Minimum Entry Requirements

Omani General Education Diploma – Science and Art/ Humanities Track or an equivalent qualification, with a minimum overall average of 65% with a minimum of 60% in Applied or Pure Mathematics and 55% in English Language.

Successful completion of GCET Foundation Studies Programme with a minimum of 50% in each component. Diploma Holders are encouraged to apply for advanced entry.

Introduction to the Programme

Urban and Regional Planning provides in-depth knowledge in the areas of modern city design, service development, smart cities, environmental challenges, analysis of environmental indicators, transition and human settlements, and strategic planning of cities and their services.

The programme also identifies the community needs and helps students to develop short- and long-term solutions to improve and revitalize communities and areas.

Applied research and Project-led approaches are implemented in teaching how to disseminate their contribution to the built environment from the primary literature, develop basic data synthesis techniques, and prepare a professional paper or report that supports decision-making and

What you will be studying?

At the beginning of the programme, you will study several modules enabling you to explain the environmental, societal, and cultural processes in making living spaces and achieve sustainable development.

As you progress, you will study more specialised topics, including strategic methods for planning economic infrastructure, a healthy, sustainable community, and the reasons for the environmental changes. Alongside, you are expected to learn the modern technologies in designing the surrounding environment using 3D modelling and Geographic Information Systems (GIS).

Throughout your study, you will learn how to review literature, make several field trips, gather information, and analyse your collected data. The individual projects will help you in designing major projects by going through all stages of concept, design, and implementation.

Where can it take you?

According to Oman's long-term vision, the market of urban and regional planning is booming and will lead to great demand for professionals in urban and regional planning.
Urban and Regional Planning graduates go on to careers in planning, design, and development, as well as in areas such as transport, economic development, urban regeneration, and environmental consultancy. Jobs exist across the public sector with local authority departments, central/devolved government. Private planning and regional consultancies also employ urban planning graduates to advice organisations and individuals on specific planning schemes. Opportunities also exist with housing associations, neighbourhood planning organisations, transport organisations (e.g., airports), private developers, and utilities companies.

Study Plan - BSc (Hons) Urban and Regional Planning

S/N	Module Code	Module Title	Credit	Prerequisite
		Level 0		
1	UBGMMR-30-0	Physical and Human Environment of the City Region	30	None
2	UBGMPR-30-0	Environment and Sustainability	30	None
3	UBLMPA-30-0	Foundation Year Project	30	None
4	UBGMNR-15-0	Challenges, Data and Solutions	15	None
5	UBGMNA-15-0	Field Study	15	None
6	GCET-15-0	Omani Culture	0	None
		Level 1		
7	UBLMGN-30-1	Healthy Sustainable Communities	30	None
8	UBGMG7-30-1	Shaping Cities	30	None
9	UBGMFL-30-1	Strategic Planning and Infrastructure	30	None
10	UBGMHM-15-1	Sustainable Technologies	15	None
11	UBGMGM-15-1	Analyzing Sustainability and Environmental	15	None
		Level 2		
12	UBGMSV-30-2	Future Places	30	None
13	UBGMLA-15-2	Achieving Design Quality	15	None
14	UBGMFJ-15-2	Researching the City	15	None
15	UBLMUC-30-2	Development, Practice and Law	30	None
16	UBGMH6-30-2	Master Planning Studio	30	None
		Level 3		
17	UBGMWE-30-3	Planning Global Cities	30	None
18	UBGLD1-30-3	Sustainable Transport: Technologies and Behaviour	30	None
19	UFCF95-15-3	Entrepreneurial Skills	15	None
20	UBGMYQ-15-3	Professional Experience	15	None
21	UBGLVX-15-3	Placement (Sandwich compulsory)	15	None
22	UBGMQD-30-3	Extended Independent Project	30	UBGMFJ-15-2 330 Credits, 90 at L2

Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0 credits.

BSc (Hons) **Environmental Management and Practice**

Offered Awards: Bachelor, Advance Diploma, Diploma

Duration of Study

Depending on the desired qualification/academic level
Bachelor: 4 Academic Years Full Time and up to 8 Years Part Time or Flexible
Advance Diploma: 3 Academic Years Full Time and up to 6 Years Part Time.
Diploma: 2 Academic Years Full Time and up to 4 Years Part Time or Flexible

Minimum Entry Requirements

Omani General Education Diploma – Science and Art/ Humanities Track or an equivalent qualification, with a minimum overall average of 65% with a minimum of 60% in Applied or Pure Mathematics and 55% in English Language.
Successful completion of GCET Foundation Studies Programme with a minimum of 50% in each component. Diploma Holders are encouraged to apply for advanced entry.

Introduction to the Programme

Environmental issues are affecting the lives of all humankind and will continue to have a great impact on future generations. The main environmental challenges include climate change, air quality, water circulation, human wellbeing, sustainable developments, renewable sources of energy, living spaces, and many more. This has created increasing demands for qualified environmental practitioners and managers to deal with these challenges.
This programme prepares you to play a key role in the management of an environment. It provides you with the knowledge and skills needed in emerging and contemporary issues related to environmental management and practice. You will be engaged in important research related to environmental management and practices and benefit from updated knowledge.

What you will be studying?

In the first year of your study, you will be studying basic and general topics related to the environment, including Physical and Human Environment of the City Region, Environmental Sustainability and Challenges, and Data and Solutions. It also includes group and field projects to develop your practical skills. As you progress into the programme, you will study more specific subjects including Healthy Sustainable Communities, Environmental Law, Policy and Society, Environmental Challenges, Sustainable Technologies, Analysing Environmental Change, Managing Global Resources, Energy Futures, Geographies of Security and Environmental Psychology, Economics and Assessment. In the final year, you will study Environmental Planning and Design and Integrated Water Management, Managing Air Quality, and Water and Energy Futures. In addition, you will undertake a major project related to Environmental Management and Practice.

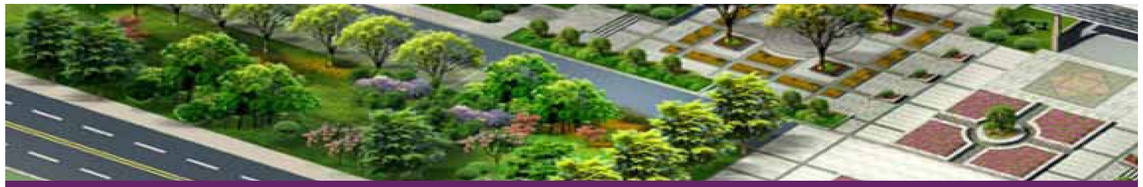
Where can it take you?

The environment forms an important part of recent and future developments in the Sultanate of Oman, the region, and the world. This will create great demand for environmental professionals who can develop, implement, and maintain strategies and policies related to the environment.
Environmental Management and Practices graduates go on to careers in environmental and management organisations, as well as in areas such as design of major projects, economic development, urban regeneration, and environmental consultancy.
Jobs are available across the public sector, including local authority departments, central/devolved governments, and private environmental consultancies. Opportunities also exist with industrial areas, neighbourhood planning organisations, transport organisations (e.g., ports), private tourism developers, and utilities companies.

Study Plan - BSc (Hons) Environmental Management and Practice

S/N	Module Code	Module Title	Credit	Prerequisite
Level 0				
1	UBGMMR-30-0	Physical and Human Environment of the City Region	30	None
2	UBGMPR-30-0	Environment and Sustainability	30	None
3	UBLMPA-30-0	Foundation Year Project	30	None
4	UBGMNR-15-0	Challenges, Data and Solutions	15	None
5	UBGMNA-15-0	Field Study	15	None
6	GCET-15-0	Omani Culture	0	None
Level 1				
7	UBLMGN-30-1	Healthy Sustainable Communities	30	None
8	UBGMJ9-30-1	Environmental Law, Policy and Society	30	None
9	UBGLXD-30-1	Environmental Challenges	30	None
10	UBGMHM-15-1	Sustainable Technologies	15	None
11	UBGMGM-15-1	Analysing Sustainability and Environment	15	None
Level 2				
12	UBGMWD-15-2	Sustainable Resource Management	15	None
13	UBGMND-15-2	Energy Futures: Policy and Practice	15	None
14	UBGMSD-15-2	Geographies of Security	15	None
15	UBGMM5-15-2	Environmental Psychology	15	None
16	UBGMJQ-15-2	Environmental Economics	15	None
17	UBGMKA-15-2	Environmental Assessment	15	None
18	UBGMKR-30-2	Researching Environmental Technology and Management	30	None
Level 3				
19	UBGMQD-30-3	Extended Independent Project	30	UBGMKR-30-2 90 at L2
20	UFCF95-15-3	Entrepreneurial Skills	15	None
21	UBGMT4-15-3	Managing Air Quality	15	None
22	UBGMTK-15-3	Practising Waste Management	15	None
23	UBGLVX-15-3	Placement	15	None
24	UBGMME-30-3	Water and Energy Futures	30	None

Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0 credits.



BSc (Hons) **Architectural Technology and Design**

Minimum Entry Requirements

Omani General Education Diploma – Science and Art/ Humanities Track or an equivalent qualification, with a minimum overall average of 65% with a minimum of 60% in Applied or Pure Mathematics and 55% in English Language.
Successful completion of GCET Foundation Studies Programme with a minimum of 50% in each component. Diploma Holders are encouraged to apply for advanced entry.

Introduction to the Programme

The evolution of architectural forms is influenced by culture and the architectural trends, society and economics, climate and geography, security and self-preservation. For architecture to be able to respond to these factors, we need to apply technology. In the past, technological limitations imposed restrictions on architecture. These days, technology is almost limitless, and architectural expression can develop in creative ways.

What you will be studying?

At the beginning of the programme, you will study several modules enabling you to understand the Construction Technology and Services as well as building Science. As you progress, you will study more specialised topics including Commercial Development, Procurement and Contract Practice, Conservation of Buildings and Places, Technology Innovation and Life Cycles, Energy Management and Performance Evaluation. Throughout your study, you will discover design concepts through studio work and computer modelling, and develop technologies from basic scientific principles. Build on techniques learned in year one, practicing and applying all aspects of design to a range of building problems. In your final year, combine the range of your knowledge with large-scale building projects. Produce detailed appraisals and new build design solutions. Create conceptual designs, working drawings, and documentation.

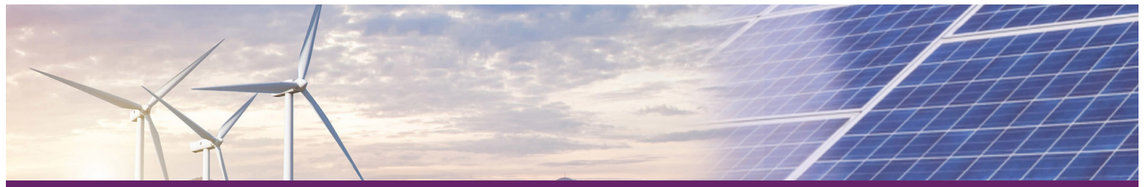
Where can it take you?

There is a wide range of career opportunities for technologists with design skills within Oman, the MENA region, and around the Globe. You could go on to work in architectural and engineering practices in the public or private sectors, or for contractors and developers, project managers, and systems manufacturers. If you are interested in pursuing postgraduate studies after completing the degree, then having a British qualification will facilitate admission to top universities in the world.

Study Plan - BSc (Hons) Architectural Technology and Design

S/N	Module Code	Module Title	Credit	Prerequisite
Level 0				
1	UBLMPA-30-0	Foundation Year Project	30	None
2	UBGMPR-30-0	Environment and Sustainability	30	None
3	UBGMNR-15-0	Challenges, Data and Solutions	15	None
4	UBLMWM-15-0	Foundation Engineering	15	None
5	UFCFGK-30-0	Professional and Academic Skills	30	None
6	GCET-15-0	Omani Culture	0	None
Level 1				
7	UBLLYC-60-1	Design Studio 1	60	None
8	UBLMYS-30-1	Construction Technology and Services	30	None
9	UBLMSS-30-1	Environmental Physics and Materials	30	None
Level 2				
10	UBLMTV-15-2	Design Representation	15	None
11	UBLMD1-15-2	Histories and Theories of Architecture	15	None
12	UBLMGG-30-2	Technology & Design Studio 2	30	None
13	UBLMUS-30-2	Commercial Development	30	UBLMYS-30-1
14	UBLMRT-30-2	Procurement and Contract Practice	30	None
Level 3				
15	UBGLVX-15-3	Placement (Sandwich compulsory)	15	None
16	UBLMJM-45-3	Technology and Design Studio 3	45	UBLMGG-30-2
17	UFCF95-15-3	Entrepreneurial Skills	15	None
18	UBLMGP-15-3	Energy Management and Performance Evaluation	15	None
19	UBLMXB-15-3	Conserving Buildings and Places	15	None
20	UBLMN5-30-3	Collaborative Practices in Building Information Management and Modelling	30	None

Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0 credits.



BSc (Hons) **Energy Technology and Management**

Offered Awards: Bachelor, Advance Diploma, Diploma

Duration of Study

Depending on the desired qualification/academic level
Bachelor: 4 Academic Years Full Time and up to 8 Years Part Time or Flexible
Advance Diploma: 3 Academic Years Full Time and up to 6 Years Part Time.
Diploma: 2 Academic Years Full Time and up to 4 Years Part Time or Flexible

Minimum Entry Requirements

Omani General Education Diploma – Science and Art/ Humanities Track or an equivalent qualification, with a minimum overall average of 65% with a minimum of 60% in Applied or Pure Mathematics or Business Management and 55% in English Language.
Successful completion of GCET Foundation Studies Programme with a minimum of 50% in each component. Diploma Holders are encouraged to apply for advanced entry.

Introduction to the Programme

A key element of this programme is the development of cutting-edge and innovative energy technologies that can effectively deliver a carbon-free future in the face of climate change. In the programme, you will gain an understanding of energy systems, trends, policies, and actions that are transforming how energy is produced, supplied, stored, and used across a range of spatial scales. In addition to the interdisciplinary nature of the programme, a strong emphasis is placed on learning how to conduct rigorous academic research and how it can be applied in the real world. A major objective of this programme is to produce highly employable graduates who possess professional and self-reflective skills.

What you will be studying?

In this programme, students will gain an understanding of the state of energy systems today, from generation to distribution, storage to use. The programme is designed to be interdisciplinary in nature and will help students better understand trends, policies, and actions relevant to energy systems today. As well as being introduced to practical examples and several national and global case studies, students will acquire the knowledge and skills needed to understand the drivers, complexities, and innovations of each stage. This programme emphasizes the importance of taking climate action and outlines the wide-ranging shifts underway around the world to transition away from hydrocarbons and toward a sustainable, zero-carbon future. To enhance energy efficiency and improve demand-side management on a small and large scale, students will gain a better understanding of the approaches used to gather, analyse, and visualise energy data (for example, through big data analytics). The course will introduce students to the current and emerging energy technologies, as well as the professionals and innovators who are involved in their development. Students will also be introduced to the importance of site design and location, environmental assessment, and stakeholder engagement since these projects can be large, complex, and potentially contentious. The students will also learn about the funding processes for projects, as well as the responsibilities that different groups and actors have for ensuring that the projects succeed (including the end-users).

Where can it take you?

There is an increased demand for Energy professionals who can develop, implement, and maintain strategies and policies related to Energy in the Sultanate of Oman, the region, and the world. With the intent to transform the energy system towards a sustainable and zero-carbon future, the programme targets many sectors and domains at various scales and across a variety of domains. A wide range of jobs is offered across the public sector with local authority departments, central/devolved governments, and private environmental consultancies as well. Opportunities are also offered in industrial areas, Energy generation companies, Energy Supply and management companies, Energy technology and innovations, neighbourhood planning organisations, transport organisations (clean energy), and utility companies.

Study Plan - BSc (Hons) Energy Technology and Management

S/N	Module Code	Module Title	Credit	Prerequisite
Level 0				
1	UBGMPR-30-0	Environment and Sustainability	30	None
2	UFMFBG-30-0	Foundation Mathematics: Algebra and Calculus	30	None
3	UFMFAG-30-0	Foundation Mechanics	30	None
4	UBGMPA-30-0	Foundation Year Project	30	None
5	GCET-15-0	Omani Culture	0	None
Level 1				
6	UBGLR1-30-1	Energy: Systems, Trends and Policies	30	None
7	UBGMJ9-30-1	Environmentalism, Society and Governance	30	None
8	UFMFF3-15-1	Energy and Thermodynamics	15	None
9	UFMFN3-30-1	Design, Materials and Manufacturing	30	None
10	UBGMHM-15-1	Sustainable Technologies	15	None
Level 2				
11	UBLMMU-30-2	Energy Conservation in the Built Environment	30	None
12	UBGLS1-15-2	Energy: Planning and Assessment	15	None
13	UBGMU9-15-2	Project and Risk Management	15	None
14	UBLMH8-15-2	Energy Transformations	15	None
15	UBGMKR-30-2	Researching Environmental Technology and Management	30	None
Elective Modules (Student will choose 15 credits from the elective modules)				
16	UBLLYF-15-2	Sustainability and Energy Simulations (Elective)	15	None
17	UBGMWJ-15-2	People and Nature (Elective)	15	None
Level 3				
18	UBGLY9-15-3	Infrastructure Design and Implementation Project	15	None
19	UFCF95-15-3	Entrepreneurial Skills	15	None
20	UBGMQD-30-3	Extended Independent Project	30	UBGMKR-30-2 90 at L2
21	UBLMGP-15-3	Energy Management and Performance Evaluation	15	None
22	UBGMME-30-3	Water and Energy Futures	30	None
23	UBGMYQ-15-3	Professional experience	15	None
24	UBGLVX-15-3	Placement (Sandwich compulsory)	15	None
Note: The Module "Omani Culture" is a compulsory module that all students must take and pass but it holds 0 credits.				

MSc:

- MSc Engineering Management
- MSc Data Science
- MSc Cyber Security

Awarding Body	University of the West of England (UWE), Bristol, UK
Educational Fees	6,630 for the whole programme.*
Duration	One Calendar Year (three semesters)
Why study our Programme?	1.You will get a genuine British award from the University of the West of England, Bristol, UK (recognised worldwide) while studying in Muscat. 2.The programme is delivered in a block flexible mode to suite learners with work or family commitments. 3.The duration of the programme is only one calendar year (for full-time students).
Note: GCET offers Postgraduate Qualifying Programme for IELTS scores of 5.0 or 5.5 to 6.5	

* An annual increase in tuition fees of 2% subject to MoHERI approval.
* Applicable according to terms and conditions.

Postgraduate Qualifying Programme (PQP)

To support its students and level up their qualifications, the Global College of Engineering and Technology (GCET) introduced the Postgraduate Qualifying Programme (PQP), approved by the Ministry of Higher Education, Research and Innovation (MoHERI), to assist students in improving their English language proficiency, specifically those aiming to bridge the gap between an IELTS score of 5 to 5.5 and from 5.5 to 6.

This programme is designed to provide targeted support for students aspiring to meet the English language requirements for the Masters Programmes.

The PQP is structured into two phases, catering to students based on their current IELTS proficiency.

The PQP is an ideal solution for students who require a supportive, focused pathway to meet the language standards necessary for Admission to Maters' Programmes. Through this programme, GCET ensures that students are well-prepared to excel in their academic endeavors and future careers.

MSc Engineering Management

Awarding Body	The University of the West of England (UWE), Bristol, UK
Duration of study	1 Academic year (3 Semesters)
Educational Fees	6,630 for the whole programme.*
Minimum Entry Requirements	1. Bachelor degree in any Engineering or Management disciplines with a minimum grade of "2:2, Good, GPA 2.7, B", or equivalent. 2. Proficiency in English to a level of 6.5 in Academic IELTS or equivalent.

Introduction to the Programme

The MSc Engineering Management programme will equip you with the knowledge and skills needed to effectively manage engineering teams, projects, departments, and companies. You will get a solid grounding in managerial essentials within Engineering, including logistics and supply chain management, manufacturing and production systems design, product development, finance, and project management.

Distinctive features of the Programme

1 .You will get a genuine British award from the University of the West of England, Bristol, UK (recognised worldwide) while studying in Muscat.
2. The programme is delivered in a block flexible mode to suite learners with work or family commitments.
3. The duration of the programme is only one calendar year (for full-time students).
4. Many electives to suite different career paths.

Where can it take you?

Graduates of programme are prepared for a wide range of careers paths as well as for pursuing PhD studies. Engineering and technology managers are employed throughout the economy, for example; operations manager, business consultant, business analyst, Engineering project manager, supply chain consultant, trade analyst, product manager, applications Engineer and production manager.

Study Plan - MSc Engineering Management

S/N	Module Code	Module Title	Level	Credit	Prerequisite
1	UFMFBM-30-M	Sustainable Engineering for Global Challenges	M	30	None
2	UFMFJM-15-M	Process Design and Management	M	15	None
3	UFMF78-15-M	Strategic Analysis of Technical Operations	M	15	None
4	UFMFTQ-15-M	Finance for non-Financial Managers	M	15	None
5	UFMF77-15-M	Engineering Project Management	M	15	None
6	UFMF74-15-M	Advanced Manufacturing (Elective)	M	15	None
7	UFMFRQ-15-M	Logistics and Supply Chain Management (Elective)	M	15	None
8	UFMEE8-15-M	Principles of Lean Engineering (Elective)	M	15	None
9	UFMFSQ-15-M	Product Design and Development (Elective)	M	15	None
10	UFMF9B-15-M	Simulation (Elective)	M	15	None
11	UFMFTF-60-M	Dissertation	M	60	120 credits

Note: Student will choose 30 credits from the elective modules.

* An annual increase in tuition fees of 2% subject to MoHERI approval.

MSc **Data Science**

Awarding Body	The University of the West of England (UWE), Bristol, UK
Duration of study	1 Academic year (3 Semesters)
Educational Fees	6,630 for the whole programme.*
Minimum Entry Requirements	1. Bachelor's degree with a minimum grade of 2:2 or equivalent in a relevant subject. Relevant subjects include: Computer Science, IT or other computing subjects, Maths, Statistics, any Engineering subject, any quantitative subject such as Physics, Chemistry, Business, Marketing, Economics, Psychology and Social Sciences. 2. Proficiency in English to a level of 6.5 in Academic IELTS or equivalent.

Introduction to the Programme

The MSc Data Science programme is designed to bring together skills in data management, analytics, and artificial intelligence and to develop the skills you need to design and implement data science projects. This field is expected to make up at least a quarter of all digital jobs and has been highlighted as a major skills gap both locally and internationally.

What you will be studying?

The programme is taught through a mix of context, theory and hands-on practice, with both individual and group learning activities built in. Studying the role of a data scientist, you will become familiar with areas such as ethical practice and data for sustainable development; research methods, data gathering and programming principles (including R, Python and HTML/Javascript).

Where can it take you?

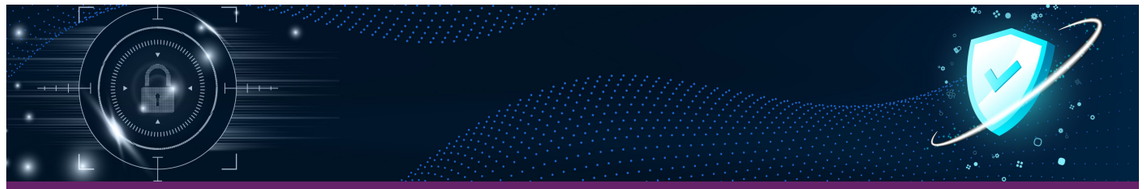
Graduates of programme are prepared for a wide range of career paths as well as for pursuing PhD studies. Your knowledge of the latest data science methods and tools will put you in a strong position to secure work such as a business intelligence (BI) analyst, big data engineer, database administrator, machine learning engineer, statistician, data scientist or develop a career path toward chief data officer.

Study Plan - MSc Data Science

S/N	Module Code	Module Title	Level	Credit	Prerequisite
1	UFCFWQ-45-M	Interdisciplinary Group Project	M	45	None
2	UFCFVQ-15-M	Programming for Data Science	M	15	None
3	UFCFLR-15-M	Data Management Fundamentals	M	15	None
4	UFMFHR-15-M	Statistical Inference	M	15	None
5	UFCFKR-15-M	Business Intelligence and Data Visualisation	M	15	None
6	UFCFMJ-15-M	Machine Learning and Predictive Analytics (Elective)	M	15	None
7	UCFCFLJ-15-M	Linked, Open Data and the Internet of Things (Elective)	M	15	None
8	UFCFKJ-15-M	Cloud Computing (Elective)	M	15	None
9	UFCE8J-15-M	Designing the User Experience (Elective)	M	15	None
10	UFCF8H-15-M	Big Data (Elective)	M	15	None
11	UFCFJJ-15-M	Social Media and Web Science (Elective)	M	15	None
12	UFMFJR-15-M	Advanced Statistics (Elective)	M	15	None
13	UBLLY7-60-M	Dissertation	M	60	120 credits

Note: Student will choose 30 credits from the elective modules.

* An annual increase in tuition fees of 2% subject to MoHERI approval.



MSc **Cyber Security**

Awarding Body	The University of the West of England (UWE), Bristol, UK
Duration of study	1 Academic year (3 Semesters)
Educational Fees	6,630 for the whole programme.*
Minimum Entry Requirements	1. Requires an honours degree of 2.2 or above in a computing-based degree, like Information Technology, Information Security, Cybersecurity, or a similar technical discipline. It is essential to have a good knowledge of programming 2. Applicants who do not meet the normal entry requirements, but who have relevant professional experience or qualifications should describe in detail their professional experience and qualifications. 3. Proficiency in English to a level of 6.5 in Academic IELTS or equivalent.

Introduction to the Programme

The MSc Cyber Security programme will provide you with advanced knowledge and understanding of Cybersecurity issues. This ranges from low-level software vulnerabilities and weaknesses in encryption schemes to information risk management issues and research challenges in Cyber Security. Study complex systems and apply your learning through hands-on projects that solve real-world problems. You will graduate with a broad knowledge base in Cyber Security, being well-prepared for diverse and rewarding roles within this field of work.

What you will be studying?

1.You will have a detailed understanding of computer and networks security and computer systems operate, including relevant legislation and standards.
2.You will have specialised knowledge of the technologies associated with complex secure sys-tems (including industrial control systems and the Internet of Things), and the verification and testing of such systems.
3.You will learn Computer and Network Security, Critical Systems Security, Cyber Security Ana-lytics, Information Risk Management, IoT System Security.

Where can it take you?

Graduates of programme are prepared for a wide range of career paths as well as for pursuing PhD studies. Your knowledge of the latest cyber security methods and tools will put you in a strong position to compete and secure work in roles like Information Security Consultant, Security Auditor, Information security Manager, Pen Tester, and Freelancer in Cybersecurity domain, etc. Upon successful completion, graduates will have experienced individual and group projects, which enable them to work independently and, in a team to manage complex projects.

Study Plan - MSc Cyber Security

S/N	Module Code	Module Title	Level	Credit	Prerequisite
1	UFCFFY-15-M	Cyber Security Analytics	M	15	None
2	UFCFVN-30-M	Computer and Network Security	M	30	None
3	UFCFWN-15-M	Information Risk Management	M	15	None
4	UFCF7P-15-M	Critical Systems Security	M	15	None
5	UFCFXN-15-M	Cyber Security Futures Emerging Trends and Challenges	M	15	None
6	UFCE3Y-15-M	Digital Forensics for Cyber Security	M	15	None
7	UFCF8P-15-M	IoT Systems Security	M	15	None
8	UFCE48-60-M	Research Paper	M	60	120 credits

* An annual increase in tuition fees of 2% subject to MoHERI approval.

Alumni Success

"All thanks and appreciation to GCET, which embraced our dreams and guided us with confident steps toward excellence and giving. The years we spent studying there were filled with knowledge and experience; they formed the foundation of our success and our motivation toward a future we are proud of."

Sulaiman Ali Al Kalbani
1st class Honours BSc (Hons) Urban and Regional Planning- 2024

"Studying at this college was an extraordinary journey. The commitment and expertise of the highly qualified faculty have significantly influenced my academic growth and progress. As I move forward, I am confident that the education and skills I have acquired will serve as a solid foundation for my future endeavors."

Ibrahim Al Balushi
MSc Data Science, 2023
GIS Technical Analyst - PMO support Analyst - Oman Water and Waste Water Service

"This outstanding college has added many positive and professional qualities to my life. Studying here was the foundational stage that transformed my understanding of the academic world and gave me the confidence to pursue my goals."

Eng. Jamal 'Abdullah Al Maskari
1st class Honours BEng (Hons) Mechanical Engineering and Vehicle Technology, 2020

Instructor at the Air Specialized Training Center
Royal Air Force of Oman

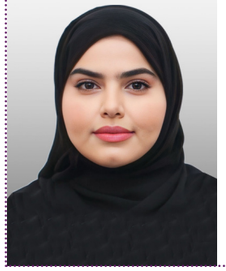
"I have successfully completed both my undergraduate and postgraduate studies at GCET. Choosing this institution was an honor for me as I continued my academic journey. It was a remarkable experience to earn my Master's degree in just one year."

Eng. Harith Mohammed Al Jabri
MSc Engineering Management, 2021
Pipeline Engineer
OQ

"I am glad that I chose to study at GCET. The college stands out for its high-quality curriculum, exceptional academic support, and a socially engaging and comfortable academic environment."

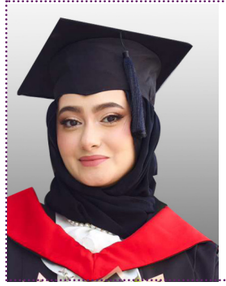
Eng. Ahmed Nabhan Al Naamani
BEng (Hons) Instrumentation and Control Engineering, 2020

Instrument Technician
Daleel Petroleum



"My experience at GCET was a rich and transformative one that changed many aspects of my life. Despite the challenges, I learned perseverance and how to balance my responsibilities at work, in my studies, and at home. I am proud of that phase of my life, one that gave me confidence and fueled my continuous pursuit of my dreams and personal growth."

Abeer Rashid Al-Maamari
MSc Data Science, 2024
Senior Financial Auditor

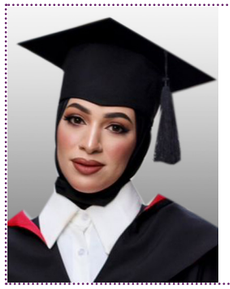


"My experience at the college was one of the richest and most beneficial experiences of my life. I did not only learn about my major, but the journey also helped me develop my talents. During my studies, I discovered my passion for programming, particularly in Web Development, and the support of the academic staff played a major role in helping me grow this skill alongside my academic specialization."

Eng. Lina Belal Abu Mweis
1st class Honours BEng (Hons) Electronics and Telecommunication Engineering, 2024

"During my studies at GCET, I went through a journey rich with challenges and achievements, one that balanced my responsibilities as a mother, my job, and my pursuit of a Master's degree in Engineering Management. The support of the college played a pivotal role, as it embraced me both academically and administratively, and provided a motivating and integrated environment that helped me maintain balance between life, work, and study. This made my academic journey an inspiring experience that I will never forget."

Hanan Said Al Sharji
MSc Engineering Management, 2024
Oman airports



"GCET offered me a wonderful educational experience rich in knowledge and practical application. The years I spent there were filled with valuable experiences that helped me develop both my academic and field skills. I am grateful to the college's academic staff for their continuous support and constant guidance. I am proud to belong to this academic institution, which has had a significant impact on my educational journey."

Shahad Khamis Al Alawi
1st class Honours BSc (Hons) Urban and Regional Planning- 2024

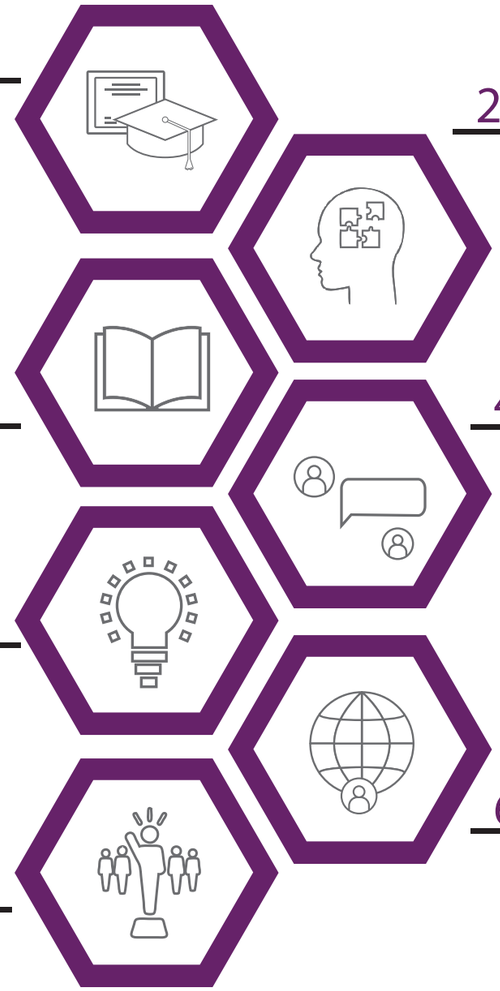
"The outstanding administrative and academic staff at GCET played a significant role in helping us achieve what we aspired to. It was truly an honour for us to graduate with distinction."

Fatemeh Mohammad Haghnejat
1st class Honours BSc (Hons) Computer Security and Forensics, 2025

“My journey in Automation and Robotics Engineering was filled with experiences that shaped my character and fueled my passion for technology and innovation. Since joining the college, I discovered that this field not only teaches me how to design intelligent systems, but also how to think analytically and approach challenges with creativity. Through my participation in student activities and serving as President of the student IEEE branch, I learned the importance of teamwork, leadership, and effective communication.”

Eng. Ahmed Khalid Al Haddabi
1st class Honours BEng (Hons) Automation and Robotics Engineering, 2024

Graduate Attributes



1 Knowledgeable
Knowledge and Understanding of the scientific principles and technological methodologies in the discipline area that enables the graduate to recognize current practices and reflect on to promote sustainable development.

2 Critical Thinker
Ability to demonstrate Intellectual Skills to evaluate, analyze, reflect and judge through critical thinking approaches based on knowledge and understanding of the studied field.

3 Life-long Learner
Development of Subject/ Professional/Practical Skills to acquire knowledge and new skills through a self-managed learning.

4 Effective Communicator and Emotionally Intelligent
Demonstrate Transferable Skills such as communication skills, ICT skills in the discipline context, and ability to work with others.

5 Innovative
Acquire Research and Innovation skills through problem-based learning and encouraging contribution in recent challenges locally and internationally which leads to creativity and excellence.

6 A Global Citizen
Demonstrate awareness of the Citizenship and Community Engagement and to value education, positive trends and volunteering.

7 Entrepreneurial Leader
Reinforce with Entrepreneurial Skills to encourage creativity and enthusiasm for new ventures.

For more information:

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