



MADE
FROM
MORE

Computer Science BSc (Hons)



www.dmu.ac.ae



Why choose De Montfort University

Founded in 1870, De Montfort University (DMU) Leicester has grown into a global institution with 26,000 students and 2,600 staff. Our passionate and enthusiastic lecturers have excelled in the National Teaching Fellowship awards – the most prestigious awards for excellence in higher education. Our academics have industry experience, and our researchers have made a real difference in people's lives.

Our courses embed employability in their curriculum, and our research feeds into students' learning. DMU Leicester has been ranked in the top 20 universities for graduate prospects in The Sunday Times Good University Guide 2020. Previous DMU graduates have gone on to win Oscars and work with organisations such as the BBC, HSBC, Nike, BMW and the NHS. At DMU Dubai, we welcome students from all backgrounds and are proud to offer the perfect combination of award-winning teaching, excellent facilities and a fantastic student experience.

Schools and Departments

All De Montfort University (DMU) students belong to one of our four faculties. Each faculty delivers a wide range of courses to students, oversees world-changing research, and fosters enviable commercial links that inform our teaching and ensure DMU courses are relevant to modern employers.

The Faculty of Computing, Engineering and Media trains engineers, computer scientists and media technologists. From cyber security and games programming to electronic engineering and radio production, teaching and research are exceptionally varied and constantly updated and enhanced to ensure industry relevance.

Education 2030

We want to ensure you have the best learning experience possible and a supportive and nurturing learning community. That's why we're introducing a new block model for delivering the majority of our courses, known as Education 2030. This means a more simplified timetable where you will study one subject at a time instead of several at once. You will have more time to engage with your learning and get to know the teaching team and course mates. You will receive faster feedback through more regular assessment, and have a better study-life balance to enjoy other important aspects of university life.



Course overview

With the digital era continuing to develop rapidly, the role of computing and its impact on our lives is more important than ever. New and innovative computer technologies are constantly unveiled, with software engineers, systems developers, programmers and analysts playing a vital role in their creation and development.

Our Computer Science course focuses on modern approaches to software systems development, allowing you to explore both the theoretical and practical skills needed to understand programming language concepts, software design methods, secure web systems, computer architecture and computer networks.

The course prepares you for various career opportunities, from programming and developer roles to software engineering, with computer technology closely linked with an extensive range of industries such as medicine, education, entertainment, security and architecture.

Key features

- Our diverse curriculum provides students an equal balance of theory and practice and is embedded with contemporary technologies designed to tackle modern multi-core platforms.
- Important professional issues include computer ethics, law, and security. Final year study includes big data, machine learning, and AI
- Tailor your learning to your career ambitions through optional third-year modules, including Functional Programming, Advanced Web Development, Fuzzy Logic and Inference Systems, and Privacy and Data Protection.
- The programme leaders are experienced professionals dedicated to ensuring students receive a high-quality education. They are readily available to answer any questions or concerns students may have regarding the accreditation process or the course content.
- DMU Dubai students can now benefit from the Industry Advisory Board, which comprises leading experts and professionals at the enterprise level. The board provides valuable insights and guidance to ensure the curriculum remains relevant and current with industry trends and demands

Teaching and assessments

On this course, you will benefit from Education 2030 - DMU's new way of delivering courses. Through block teaching, you will focus on one subject at a time instead of several at once.

The teaching methods delivered on this course include staff directed learning via lectures, tutorials and laboratories, in addition to student-centred resource-based learning (including web-based resources), collaborative and group working, individual learning and student-centred learning via individual research / literature review.

Students will be assessed via a range of methods including time constrained phase tests, portfolios of work, programming and other laboratory exercises, examinations, project work, individual work and group work.

Course	Computer Science
Award	BSc (Hons)
Duration	3 years
Mode	Full time
Delivery	Day
Intake	September
Annual Fees	AED 71,610 (including 5% VAT)
Scholarships and flexible payment plans available	

Course modules



More info

First year

Block 1: Database Design and Implementation
Block 2: Fundamental Concepts of Computer Science
Block 3: Computer Programming
Block 4: Operating Systems and Networks

Second year

Block 1: Object Oriented Design and Development
Block 2: Data Structures and Algorithms
Block 3: Web Application Development
Block 4: Agile Development Team Project

Third year

Block 1: Software Development: Methods and Standards
Block 2: Big Data and Machine Learning
Block 3/4: Development Project
Optional modules (choose one):
Block 3/4: Functional Programming
Block 3/4: Advanced Web Development
Block 3/4: Fuzzy Logic and Inference Systems
Block 3/4: Privacy and Data Protection

*All modules are indicative and based on the current academic session.

Entry criteria

GCE A-Level: CCD

CBSE/ ICSE/ All Indian Boards:

Successful completion of Standard XII with a 65% average from the best four subjects excluding Hindi or any other local language, e.g. Punjabi, Gujarati, Tamil, Marathi

Interview any candidate with 60% or above.

American High School Diploma + SAT:

High School Diploma with a minimum GPA of 3.0 PLUS Advanced Placement, two subjects from group A with grade 3 or above OR SAT2 - 2 subject tests with a minimum score of 500 in each = 1000

UAE Tawjihyia: Entry to IYZ only

International Baccalaureate Diploma: 24 points

BTEC Level 3 Ext Diploma: DMM

African WAEC/ NECO/ WASSCE:

5 "B" grades (Only for Business Programme)

FBISE grade 12 (Pakistan): 85%

Curriculum Russian/Kazakhstan: Entry to IYZ only.

English requirements

- **IELTS:** 6.0 (minimum 5.5 in each band)
- **TOEFL Internet-based:** 72 (17 in listening & writing, 20 in speaking and 18 in reading)
- **Pearson PTE Academic:** 51

Students with other qualifications may also be considered. Please scan the QR code or contact Admissions Office for details



Enquire Now



Prof. Katie Normington
Vice-Chancellor
De Montfort University



Simon Bradbury
Pro Vice-Chancellor International
De Montfort University



Prof. Michael Gallimore
Head of Campus
De Montfort University Dubai



Career support



Scholarships



Enquire Now

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**DMU Dubai Admissions Office is open from
Monday to Saturday 9am to 5pm**

www.dmu.ac.ae

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Virtual Tour



Computer Science Graduate careers

As a Computer Science graduate, you have a wide range of career options available to you. Whether you choose to work in the industry or pursue further education, your knowledge in computer science will open doors as software engineers, computer engineers, systems engineers, database managers, software developers, and web developers for various multinational companies. You can also continue your academic careers by embarking on postgraduate study in either research or taught areas, which provides opportunities for further specialisation and the enhancement of existing skills.

