BSc (Honours)
IT Management

Graduates from this programme are in huge demand with opportunities in sectors such as Information Security, Networking, Cloud Computing, FinTech and beyond.

This flagship information technology degree has an excellent curriculum combing deep technical modules with IT management modules. As a result, graduates of this highly rated programme are in great demand.

This honours bachelor's degree in IT Management is built on key industry pillars designed to prepare the graduate for roles in Information Security, Networking, Cloud Computing, Virtualisation and Storage, Systems Administration, IT Project Management, IT Planning, IT Compliance, and many more related areas.

Along with learning about IT management principles, you will also learn about cybersecurity which is a rapidly expanding sector of the computer industry. As more technology goes online, you will learn how sensitive information may be at risk and the steps you can take to protect it.

The curriculum is designed to allow you to choose from a range of computer science elective modules as you progress through the degree programme.

The programme has a significant work placement element where students are placed with selected employers for up to 9 months starting in January of year three.

Undergraduate

This programme is delivered full-time over four academic years.

Contact us

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MTU
Ollscoil Teicneolaíochta na Mumhan
Munster Technological University

Department of Computer Science

The Department of Computer Science at MTU Cork is one of the largest Computer Science departments in Ireland. We offer a range of modern undergraduate programmes and a host of opportunities at master's degree and at PhD level. Our industry engaged programmes match the needs of our economy and have an excellent reputation for producing the most employable computer science graduates. These highly skilled graduates are in huge demand and contribute significantly to the development of the region. As technology plays a greater role in our society the growth in the demand for these graduates will continue year after year.

IT Management Programme Schedule

Detailed module descriptors can be viewed at https://cs.cit.ie/itm-schedule.

Year 1 - Semester 1	CR
Programming Fundamentals (SOFT6018)	5
Web Develop Fundamentals (SOFT6007)	5
Computer Architecture (COMH6002)	5
Computer Security Principles (COMP6035)	5
Maths for Computer Science (MATH6055)	5
Creativity, Innovation & Teamwork (CMOD6001)	5

Year 1 - Semester 2	CR
Modular Programming (SOFT6017)	5
Introduction to Databases (COMP6041)	5
Operating Systems in Practice (COMP6042)	5
Networking Fundamentals (COMP6027)	5
Discrete Mathematics (MATH6004)	5
Physical Computing (COMP6043)	5

Year 2 - Semester 1	CR
Linux Administration (COMP7036)	5
Database Design (SOFT7022)	5
Operating Systems (SOFT7006)	5
Requirements Engineering (SOFT7007)	5
Routing & Switching Concepts (COMP7032)	5
Server-Side Web Development (SOFT7008) (E)	5

Year 2 - Semester 2	CR
Systems Scripting (COMP7044)	5
Database Administration (COMP8017)	5
Windows Security (COMP7045)	5
Virtualisation Technologies (COMP7041)	5
Scaling and Managing Networks (COMP7033)	5
Internet & Network Services (COMP7011) (E)	5

Year 3 - Semester 1	CR
IT Project Management (COMP7012)	5
Group Project (SOFT7003)	5
Network Security (COMP8022)	5
Data Centre Virtualisation (SOFT8019)	5
Agile Processes (COMP7039)	5
Cloud Networking (COMP8055) (E)	5

Year 3 - Semester 2	CR
Work Placement/Internship (PLAC7009)	30

Year 4 - Semester 1	CR
IT Transformation (COMP8031)	5
Project Research Phase (INTR8016)	5
Security Monitoring (COMP8027)	5
Enterprise Storage Systems (COMH8001)	5
IT Service Management (COMP8019)	5
Software-Defined Networking (COMP8052) (E)	5

Year 4 - Semester 2	CR
Ethical and Legal Issues in IT (LEGS8001)	5
Project Implementation Phase (INTR8015)	10
IT Solutions Architecture (COMP8056)	5
Security Penetration Testing (COMP8028)	5
Security Management (COMP8057) (E)	5

CR = ECTS Credit, (E) = Example elective module. Work Placement is normally paid and organised by the department.