



Master of Science Cybersecurity Management

Designed to address the widening skills shortage in Cybersecurity Management, this programme delivers content that follows best practice in industry.

ONLINE

This programme is delivered part-time fully online over 24 months.

Contact us

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The MSc in Cybersecurity Management programme will prepare a broad range of graduates for roles as cybersecurity professionals with leadership responsibilities within industry. This programme is a 90 credit programme consisting of 60 credits worth of taught modules and a 30-credit project.

This programme will be delivered part-time over two academic years. This newly developed programme is from the same expert team of lecturers and industry professionals who have delivered Ireland's leading technical MSc in Cybersecurity programme.

This programme is targeted at Business, Humanities and Arts graduates who would like to move into roles with cybersecurity responsibilities. The programme is also suitable for those from technical backgrounds who would like to develop the management skills necessary to move into a leadership role in cybersecurity. The programme places significant emphasis practical, hands-on, approach to learning.



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 in the region. 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.

Cybersecurity Managers

Cybersecurity managers must ensure that the risk to information assets is minimised by implementing well designed security measures. They are responsible for staying abreast of the threat landscape to prevent (and design policy to respond to) malicious actors. They implement cybersecurity management frameworks and ensure that all employees and vendors operate within these frameworks.

Cybersecurity managers also need to have the digital skills in security architecture to work with teams in procuring and developing IT systems, the transversal skills to determine what risks/vulnerabilities/ attacks these systems identify/detect/prevent, the management skills to be capable of prioritising cybersecurity resources and will have leadership skills in working with diverse teams. In order to perform the role required learners will undertake a series of modules designed to develop these skills.

Cybersecurity Management (MSc)

The MSc in Cybersecurity Management programme has a strong applied emphasis which is supported by in-depth theoretical knowledge. The programme was developed with significant input from industry's leading cybersecurity experts.

Designed to address the widening practical and theoretical skills shortage in cybersecurity the programme delivers content that follows best practice in industry. The continuing trend of skills shortage in this area is predicted to increase the global demand for Cybersecurity graduates.

Who Should Apply?

Are you interested in a career in Cybersecurity Management? Do you hold an honours degree? If so, this master's degree is the right choice for you.

Programme Structure

The programme places significant emphasis on student learning by doing. It adopts a practical, hands-on, approach to learning, where all modules are fully assessed using continuous assessment methods. There are no formal end of semester written examinations and this ensures that you will learn by doing from the first module to the last.

This 90 credit programme is delivered over four semesters. Each taught semester has a number of mandatory modules and a choice of electives as outlined below. In Semester 3 you will either complete a group project or work based project. The Research Project is started in Semester 4 and completed over the summer months.

Semester 1 (Autumn - Year 1)	Type	Credits
Security Architecture	Mandatory	10
Security Contingency Planning	Mandatory	5
Scripting for Cybersecurity	Elective	5
Strategic Thinking	Elective	5
Elective from another masters	Elective	5

Semester 2 (Spring - Year 1)	Type	Credits
Security Management and Law	Mandatory	10
Communications and Cybersecurity	Mandatory	10
People Management Strategies	Elective	5
Emerging Cyber Trends	Elective	5
Elective from another masters	Elective	5

Semester 3 (Autumn - Year 2)	Type	Credits
Security Risk & Compliance	Mandatory	10
Security Group Project	Elective*	10
Security Work Based Project	Elective*	10

Semester 4 (Spring - Year 2)	Type	Credits
Research Project	Mandatory	30

Detailed module descriptors can be viewed at <https://cs.cit.ie/cybermgmt-online-sched>.

You can apply online at <https://cs.cit.ie/cybermgmt-online>.

Recognition of Prior Learning information is available at <https://www.cit.ie/rpl>