MSc Cybersecurity
Risk Management

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CYBER SECURITY

DATA PROTECTION

Your Path to
Cybersecurity Leadership

High Demand for Cybersecurity Skills

Cybersecurity is one of the world's most pressing challenges, creating a strong demand for skilled professionals in this field.

Strategic Focus

The programme emphasises the strategic management of cybersecurity and associated risks within an organisation, preparing you to become a strategic thinker in cybersecurity.

Comprehensive Skill Development

You will develop the skills to understand the cyber threat landscape, assess risks, design solutions, and communicate these effectively to senior decision-makers.

Career Opportunities:

The programme is designed for those seeking careers in cybersecurity consultancy, strategic management, business risk management, and related areas, with a wide range of future roles available.

Graduate Attributes

As a graduate you will be equipped with the necessary skills and expert knowledge to take on challenging roles in cybersecurity risk management, including analysing complex cybersecurity threats, effective communication, teamwork, leadership, and ethical responsibility.

Global Relevance

As cybersecurity continues to grow in importance globally, the programme's content may be updated to reflect the latest developments, ensuring that graduates remain relevant and in demand.

Addressing Skill Shortages

The programme addresses the significant skills shortages in cybersecurity, particularly in Ireland, where many organisations struggle to fill cybersecurity roles.

Diverse Career Paths

Graduates will have a wide array of potential career paths, including roles such as Cybersecurity Risk Manager, Consultant, Information Security Analyst, and many others.

Build Your Cybersecurity *Expertise*

Core Learning

- Cybersecurity Risk Management: master the essentials of managing and mitigating cyber risks, aligned with CompTIA Security+ certification.
- Information Systems Management: learn how to effectively manage information systems in business.
- Business Modelling & Analytics: gain analytical skills for business data and processes.

Customisable Path

- Electives: Choose from courses like Business Applications Programming, Database Systems, Strategic Management, IT Law, and more to tailor your expertise.

Advanced Focus

- Cybersecurity Risk Management 2: Deepen your skills, aligned with the curricula of professional certification bodies.
- Cloud Computing: explore secure cloud technologies.
- Information Ethics: delve into the ethical considerations of cybersecurity.

Capstone Project

- Major Cybersecurity Project: Apply your knowledge in a real-world project, showcasing your readiness for industry.

Leading *the future*

Join a globally recognised institution ranked among the best for sustainability, and study on a campus committed to creating a greener future. Imagine earning a MSc degree that not only equips you with cutting-edge skills but also aligns with your values of environmental stewardship.

Our business programmes are designed to foster innovation and leadership, preparing you to excel in today's competitive market. The University offers a unique blend of academic excellence, practical experience, and a sustainable campus environment, making it the ideal choice for future business leaders.

Envision your career flourishing as you benefit from our world-class faculty and strong industry connections.

THE WORLD UNIVERSITY RANKINGS

Top 2%

QS WORLD UNIVERSITY RANKINGS

AACSB ACCREDITED

SDG AMBASSADOR

University of Galway Sustainability Rankings and Accolades

University of Galway has been named the **#1 university in Ireland** for sustainable development for a third year in a row, we are ranked **3rd in Europe and ranked 64th in the world** by *Times Higher Education THE Impact Rankings 2025*. The accolade has been awarded in recognition of the University's progress in responding to the United Nations' Sustainable Development Goals (SDGs).

We are the first University to make the list as a Sustainable Development Goal Ambassador for 2024-25, chosen from across society as leaders in driving forward Ireland's progress towards the UN Sustainable Development Goals.

1 — University of Galway has been ranked *1st in Ireland* for Sustainable Development for a third year in a row by the Times Higher Education The Impact Rankings 2025

3 — University of Galway has been ranked **3rd in Europe** Sustainable development by the Times Higher Education The Impact Rankings 2025

64 — University of Galway is ranked **64th in the world** in the 6th edition of the Times Higher Education (THE) World IMPACT Rankings 2025

38 — University of Galway is ranked **38th in the world for SDG 3** in the 2025 Times Higher Education Societal Impact Rankings

Centripetal Summer School 2025

BIBIN BABUJI | MSC CYBERSECURITY RISK MANAGEMENT SCHOLARSHIP RECIPIENT

"I was thrilled to be selected for the Business Postgraduate Merit Scholarship at the University of Galway. The Cybersecurity Risk Management program perfectly aligns with my interests in data security and the business aspects of cybersecurity. The university's reputation as one of the best in the world and Ireland's booming IT industry made it an easy choice for me. The application process was straightforward, with the admission office providing excellent support and clarifying any doubts promptly.

The scholarship selection was automatic based on academic achievements, reducing my financial burden significantly. I feel honoured and motivated by the university's recognition of my potential and I'm excited to pursue my dream with confidence and contribute to the field of cybersecurity. The program will equip me with the necessary skills to succeed in the industry, and Ireland's thriving IT sector offers ample opportunities for growth. I'm grateful for this opportunity and excited for my studies at the University of Galway. "
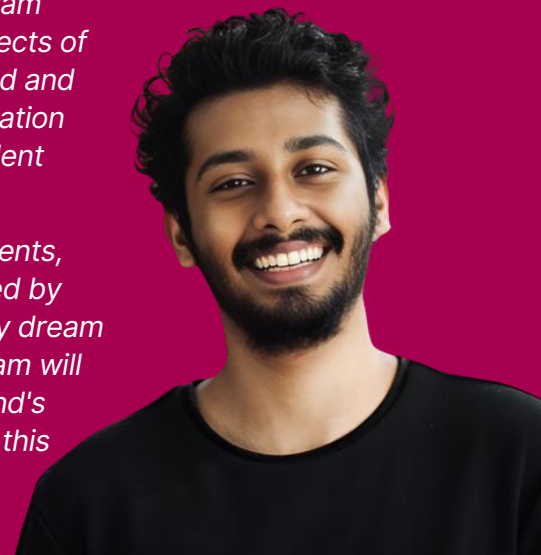
Exploring the MSc
Cybersecurity Risk Management

Student Testimonial - Aravind Jose Thoompumkal

Programme Learning Outcomes

On successful completion of the programme you will be able to:

Identify, analyse, and solve business, public policy and societal problems within a global context

Make a positive societal impact through critical thinking, innovation, and collaboration

Analyse complex information about cybersecurity threats and vulnerabilities from a variety of sources

Communicate effectively to employees, managers and the general public about cybersecurity risks

Be committed to professional codes of conduct and ethics, and will have an appreciation of their responsibility to serve society as good corporate and national citizens

Modules Overview

Year 1
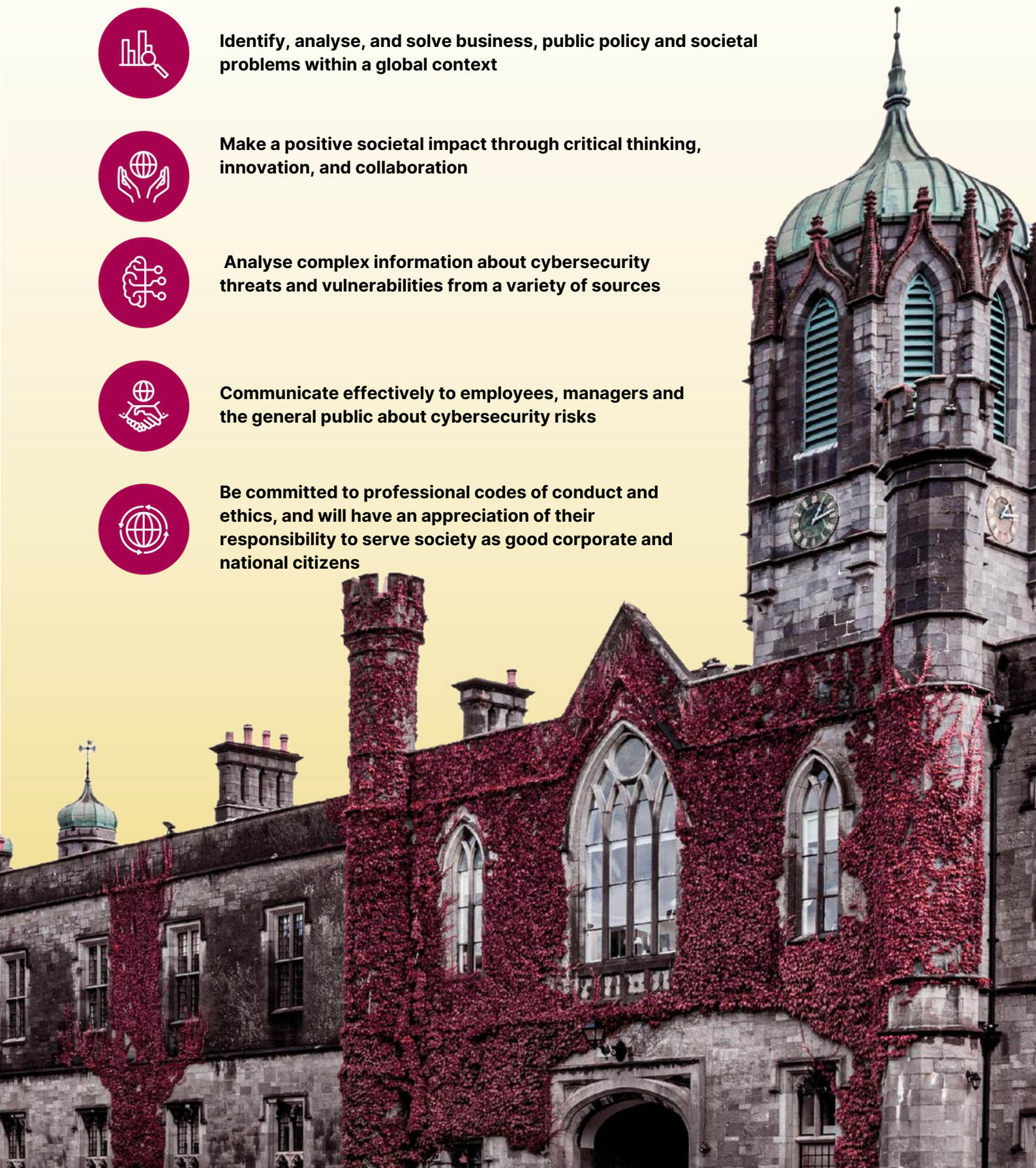
Semester 1

Core Modules (20 Credits)

MS5107: Business Modelling and Analytics - 5 Credits - Semester 1
MS5125: Cybersecurity Risk Management - 10 Credits - Semester 1
MS807: Information Systems Management - 5 Credits - Semester 1

Optional Modules (10 Credits required)

MS806: Business Applications Programming - 5 Credits - Semester 1
MS805: Database Systems - 5 Credits - Semester 1
LW383: Information Technology Law - 5 Credits - Semester 1
MG557: Strategic Management - 5 Credits - Semester 1
MS804: Systems Development & Project Management - 5 Credits - Semester 1

Semester 2

Core Modules (25 Credits)

MS5134: Cybersecurity Risk Management 2 - 10 Credits - Semester 2
MS5130: Applied Analytics in Business and Society - 5 Credits - Semester 2
MS5126: Philosophy of Information and Information Ethics - 5 Credits - Semester 2
MS5118: Cloud Computing - 5 Credits - Semester 2

Optional Modules (5 Credits)

MS5114: Advanced Programming for Business Analytics - 5 Credits - Semester 2
OptionalMS803: Business Data Communications - 5 Credits - Semester 2
OptionalMS5129: Storytelling through Data Visualisation - 5 Credits - Semester 2

Year Long

Major Project (30 Credits)

MS5127: Major Cybersecurity Project - 30 Credits - Semester 1

List of modules is indicative and subject to change
Click on individual modules for course module information

Admission

Entry Requirements

Normally a H2.1 degree (NFQ Level 8 or equivalent). However, candidates with a H2.2 honours degree and who have a minimum of 2 years relevant work experience will also be considered.. IELTS score of 6.5 or equivalent, if applicable. It is expected that successful applicants will come from a variety of academic and professional backgrounds. Prior exposure to information technology is a requirement. The personal statement made on application is important to express your conviction that the programme is right for you and to explain how it fits into your career plans.

Duration

1 year - Full-time

Course Fees for Academic Year 2026/27

EU: €11,700

Non-EU: €21,500

Student Levy: €140

2 Year stay-back visa scheme

Find out More

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Programme Administrator:
Ms. Melissa O'Hea
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Industry Testimonial

"Current skills shortages show gaps for dedicated cybersecurity and conversion programmes. There are upskilling opportunities across the board. Every company today is a technology company and therefore need to be cyber aware and compliant is crucial. Areas with skill shortages include Cyber Security, Risk & Compliance, Networks, CISSP / CompTiA / CISM / CEH certification, and the list goes on. We have a long time partnership with University of Galway and are delighted that they are offering a new MSc in Cybersecurity Risk Management in 2023."

Caroline Cawley

Chief Executive Officer

ITAG

Learn More:

AACSB ACCREDITED

ASSOCIATION OF MBAs

Top 2%
QS WORLD UNIVERSITY RANKINGS

EQUALITY CHARTER
Athena Swan Ireland
Silver Award

SDG AMBASSADOR