



# 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 combining 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.

 **CORK  
INSTITUTE OF  
TECHNOLOGY**  
INSTIÚID TEICNEOLAÍOCHTA CHORCAI

## Undergraduate

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

## Contact us

Dr Vincent Emeakaroha  
Department of Computer Science  
Cork Institute of Technology  
Bishopstown  
Cork  
T12 P928  
Ireland

Phone: +353 21 4336191  
Email: [vincent.emeakaroha@cit.ie](mailto:vincent.emeakaroha@cit.ie)  
Web: <http://cs.cit.ie/itm>

## Department of Computer Science

The Department of Computer Science at Cork Institute of Technology 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. Detailed programme descriptors can be viewed under the Computer Science link at <http://courses.cit.ie>.

## IT Management Programme Schedule

Click on each hyperlink below to view module descriptors. Please visit <http://cs.cit.ie/itm> for further information.

Year 1 - Semester 1	CR	Year 1 - Semester 2	CR
<a href="#">Programming Fundamentals (SOFT6018)</a>	5	<a href="#">Modular Programming (SOFT6017)</a>	5
<a href="#">Web Develop Fundamentals (SOFT6007)</a>	5	<a href="#">Introduction to Databases (COMP6041)</a>	5
<a href="#">Computer Architecture (COMH6002)</a>	5	<a href="#">Operating Systems in Practice (COMP6042)</a>	5
<a href="#">Computer Security Principles (COMP6035)</a>	5	<a href="#">Networking Fundamentals (COMP6027)</a>	5
<a href="#">Maths for Computer Science (MATH6055)</a>	5	<a href="#">Discrete Mathematics (MATH6004)</a>	5
<a href="#">Creativity, Innovation &amp; Teamwork (CMOD6001)</a>	5	<a href="#">Physical Computing (COMP6043)</a>	5

Year 2 - Semester 1	CR	Year 2 - Semester 2	CR
<a href="#">Linux Administration (COMP7036)</a>	5	<a href="#">Systems Scripting (COMP7044)</a>	5
<a href="#">Database Design (SOFT7022)</a>	5	<a href="#">Database Administration (COMP8017)</a>	5
<a href="#">Operating Systems (SOFT7006)</a>	5	<a href="#">Windows Security (COMP7045)</a>	5
<a href="#">Requirements Engineering (SOFT7007)</a>	5	<a href="#">Virtualisation Technologies (COMP7041)</a>	5
<a href="#">Routing &amp; Switching Concepts (COMP7032)</a>	5	<a href="#">Scaling and Managing Networks (COMP7033)</a>	5
<a href="#">Server-Side Web Development (SOFT7008) (E)</a>	5	<a href="#">Internet &amp; Network Services (COMP7011) (E)</a>	5

Year 3 - Semester 1	CR	Year 3 - Semester 2	CR
<a href="#">IT Project Management (COMP7012)</a>	5	<a href="#">Work Placement/Internship (PLAC7009)</a>	30
<a href="#">Group Project (SOFT7003)</a>	5		
<a href="#">Network Security (COMP8022)</a>	5		
<a href="#">Data Centre Virtualisation (SOFT8019)</a>	5		
<a href="#">Agile Processes (COMP7039)</a>	5		
<a href="#">Cloud Networking (COMP8055) (E)</a>	5		

Year 4 - Semester 1	CR	Year 4 - Semester 2	CR
<a href="#">IT Transformation (COMP8031)</a>	5	<a href="#">Ethical and Legal Issues in IT (LEGS8001)</a>	5
<a href="#">Project Research Phase (INTR8016)</a>	5	<a href="#">Project Implementation Phase (INTR8015)</a>	10
<a href="#">Security Monitoring (COMP8027)</a>	5	<a href="#">IT Solutions Architecture (COMP8056)</a>	5
<a href="#">Enterprise Storage Systems (COMH8001)</a>	5	<a href="#">Security Penetration Testing (COMP8028)</a>	5
<a href="#">IT Service Management (COMP8019)</a>	5	<a href="#">Security Management (COMP8057) (E)</a>	5
<a href="#">Software-Defined Networking (COMP8052) (E)</a>	5		

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