

EDUCATION IN IRELAND

NIGERIA FAIRS - OCTOBER 2018



COMPUTER SCIENCE

The Department of Computer Science at CIT 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.

CIT
CORK
INSTITUTE OF
TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ

HILTON HOTEL ABUJA

OCTOBER

4

1 AGUIYI IRONSI ST,
MAITAMA 900001,
ABUJA,
NIGERIA



RADISSON BLUE IKEJA

38/40 ISAAC JOHN ST,
IKEJA GRA 100271,
IKEJA,
NIGERIA

OCTOBER

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EDUCATION FAIRS IN ABUJA AND LAGOS

Come along to meet staff from Cork Institute of Technology (CIT) at the Education in Ireland fairs in Nigeria. Lecturers from the Department of Computer Science will be available to answer your questions at fairs in Abuja on the 4th October and in Lagos on the 6th October. Learn about the excellent master's degree programmes on offer in CIT. These industry aligned programmes are unique and offer graduates exciting and rewarding opportunities in the fast growing IT sector in Ireland. - <http://cs.cit.ie>

ARTIFICIAL INTELLIGENCE (MSC)

Artificial intelligence (AI) is a field of computer science that enables computers and machines to perform tasks normally requiring human intelligence. Its many applications range from chess-playing robots and autonomous cars to speech, image, and language processing, robotic manufacturing, and surveillance systems. This master's degree programme provides a technical deep-dive into the area of Artificial Intelligence (AI). The programme produces AI graduates with a highly relevant skill set in AI topics. You'll learn how to use and develop intelligent computer systems that can learn from experience, recognise patterns in vast amounts of data and reason strategically in complex decision making situations. The programme places significant emphasis on learning by doing. It adopts a practical, hands-on approach to learning, where all modules are assessed using continuous assessment methods. - <http://cs.cit.ie/ai>



Master of Science Artificial Intelligence

"Just as electricity transformed almost everything 100 years ago, today I actually have a hard time thinking of an industry that I don't think AI will transform in the next several years." - Andrew Ng, VP & Chief Scientist at Baidu

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How to Apply
Information about the application process is available at:
<http://international.cs.cit.ie/ai>

Non-EU Fees: €12000
Scholarships (20%) are available up to 31st March 2019 reducing fees to €9000.

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In the twenty-first century, AI has experienced a resurgence following concurrent advances in computer power, large amounts of data, and theoretical understanding. AI techniques have now become an essential part of the technology industry, helping to solve many challenging problems in computer science. The programme content delivers a comprehensive range of topics, integral to the study of AI. These include machine learning, deep learning, natural language processing, optimisation and big data processing to name but a few. Graduates of the programme may also wish to continue to PhD level in this exciting field of study.

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Master of Science Information Security

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

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This master's programme is unique as it's 100% Information Security. All modules are security focused, 100% relevant and exactly what industry requires. The programme was designed with experts from leading Information Security companies. Modules include Network Security and Network Forensics, Penetration Testing, Security Management & IT Law, Digital Forensics & Incident Response, Scripting for Automation, Applied Cryptography, Malware Investigations, Malware Reverse Engineering, Data Analytics, Cloud Security, Embedded Security, Software Security and Threat Intelligence.

Hands-on labs are provided through CIT's private cloud, giving students 24/7 access to state-of-the-art Information Security labs. Upon successful completion of the MSc in Information Security programme, the graduate will both understand and have the capacity to deploy many of the most advanced methods and systems to protect information at rest, in transit, and at work. Graduates may also wish to continue to PhD level in this exciting field of study.

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INFORMATION SECURITY (MSC)

Information security can be defined as the protection of information and systems from unauthorised access, use, disclosure, disruption, modification, or destruction in order to provide confidentiality, integrity, and availability. Today, Information Security is becoming a function of increasing importance for the continued operation of organisations. The MSc in Information Security 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 experts. Designed to address the widening practical and theoretical skills shortage in Information Security 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 graduates. - <http://cs.cit.ie/security>

UNDERGRADUATE (BSC)

Four year undergraduate degrees are also offered by the department. The BSc (Hons) in Software Development degree will provide you with the essential skills to become a software engineer of first-rate software using a variety of languages and modern platforms. - <http://cs.cit.ie/sdh>

The BSc (Hons) in Computer Systems focuses on a number of key areas including computer networking, embedded systems and the Internet of Things (IoT). - <http://cs.cit.ie/cs>



BSc (Honours) Software Development

"Software is a great combination between artistry and engineering" - Bill Gates

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

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If you have a passion for programming this flagship bachelor's degree can open up multiple career opportunities for you. Software engineers design and develop large complex systems used in industry, banking, manufacturing, financial services, logistics, technology and medical applications, to name but a few. As this is a modern industry-linked degree you will study relevant up-to-date modules. The programme was designed with several pillars. These pillars include Computer Science, Software Development, Data Science, Operating Systems and Software Engineering. The Software Development pillar takes you on a journey from Programming Fundamentals to Modular Programming to Object Oriented Principles to

Object Oriented Programming to Distributed Systems Programming to App Development Frameworks topping off with Data Driven Microservices.

The Data Science pillar starts with an Introduction to Databases before moving on to Database Design, NoSQL, Data Architectures, Programming for Data Analytics, Machine Learning and finally Big Data & Analytics. Please refer to the programme schedule for all module details.

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.

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BSc (Honours) Computer Systems

The Internet of Things is here and it's growing rapidly. Smart, connected devices are already transforming our world.

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

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The BSc (Hons) in Computer Systems programme is a software development degree that shares the core modules found in the BSc (Hons) in Software Development programme. The Computer Systems programme differs in that it focuses on a number of key areas including computer networking, embedded systems and the Internet of Things (IoT).

Embedded systems have become widespread in industry and can be found in almost all modern consumer devices from washing machines to cars. The Internet of Things (IoT) is starting to play a significant role in industry and at home. With growth and advancements in the field of electronics and wireless communications, devices around us are able to communicate in a better way than ever before leading to new possibilities and opportunities.

Computer systems engineering is a growing market in today's computer industry. Graduates of this programme will be equipped with the necessary knowledge and engineering skills to work as a software engineer in the rapidly growing area of embedded systems and IoT.

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.

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