



Waterford Institute *of* Technology

INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE

BSc (Hons) in Computer Forensics

Department of Computing, Mathematics and Physics

UNDERGRADUATE

LEVEL **8**

CODE: WD161

What is the BSc (Hons) in Computer Forensics?

The BSc in Computer Forensics is a three year honours degree programme equipping graduates with the specialised skills and knowledge needed to examine electronic crime scenes.

Just as a murder scene needs to be secured so too do electronic crime scenes. There are particular ways of securing evidence and students learn how to do this. Electronic crime scenes often involve child pornography, blackmail, financial fraud and data theft. Criminal prosecutors have used computer forensic evidence to form the backbone in murder cases and robberies through the use of technologies such as mobile phone forensics.

Computer forensics is application of the scientific method to digital media in order to establish factual information for judicial review. This process often involved investigating computer systems to determine whether they are or have been used for illegal or unauthorised activities.

Your Questions Answered

What subject areas will I study?

- Programming skills
- Computer Architecture (how computers are built and how they work)
- Operating Systems (how software and hardware communicate)
- Network Management and Security
- System Forensics
- Multimedia Forensics
- Legal and ethical issues in cybercrime and prosecution

What follow on study opportunities are available?

Students who complete the BSc (Hons) in Computer Forensics may avail of a taught or research masters programme (MSc) in the area. On completion of an MSc students will have the opportunity to pursue a PhD programme.

What career opportunities will I have?

The domain of computer security and forensics is growing and has become more essential than ever before. Virtually all organisations now need and use internet technologies (email, the web, ecommerce) in their daily business.

With this growth comes the need to protect sensitive data such as customer's personal details and credit card information, confidential files and internal documents. Many companies employ full time security personnel to fulfil these roles, whilst other organisations outsource them to external firms.

Insurance companies, corporations, civil litigations, individuals and law enforcement all can and do make use of evidence revealed by computer forensic specialists.

What area can I expect to work in?

- Security Consultancy
- Investigation Consultancy
- Law Enforcement
- Forensic Auditing
- Research
- Education



Entry Details

Are there any minimum entry requirements?

Total number of different subjects at grade D or better: 6

Total number at higher level grade D or better (Honours): 2

Mathematics OB3/HD3 and English or Irish OD3/HD3 are required subjects.

How do I apply?

You apply through the CAO system, www.cao.ie

What points do I need to get?

The points required for this course in 2007 were 320

How do I find out more?

Contact WIT by emailing schoolsliasion@wit.ie, calling 051 845533 or download a prospectus on www.wit.ie

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POSTGRADUATE

Higher Diploma in Applied Computing

Department of Computing, Mathematics and Physics

LEVEL **8**

CODE: WD??



This is a one-year fulltime programme designed to help graduates from a non-computing background to gain experience and employment within the modern computing industry. The course will confer on the graduates a set of personal and professional attributes that will allow greater flexibility in the development of their own career options.