



University College Dublin  
Ireland's Global University

# MSc Forensic Computing & Cybercrime Investigation (Distance Learning) (1 Year Full Time or 2 Years Part Time)

This is a distance learning degree programme for law enforcement. Over the past 10 years we brought in specialists from around the world to review and advise on content considering the needs of digital forensics investigators and computer crime specialists. The UCD School of Computer Science and Informatics established the UCD Centre for Cybersecurity & Cybercrime Investigation (CCI) and since 1998, CCI has been working closely with law enforcement agencies and industry practitioners in seeking solutions to technology-related crimes. CCI are special advisors to the European Cybercrime Training and Education Group (ECTEG) at Europol and its scientists continue to work on applied research and

have developed a number of forensic tools. Depending on the modules taken, you will be able to conduct forensic analysis of a computer and use common network investigation techniques, investigate malware-based intrusions, perform mobile phone forensics, preserve and analyse volatile evidence contained in the main memory (RAM), use Linux forensics analysis tools and techniques, write custom tools for data analysis and build forensic applications, overcome investigative challenges of VoIP and locating mobile users, investigate money laundering and trace illicit funds and investigate cases of child sexual exploitation on the Internet.

## Key Fact

To date, over 375 law enforcement officers from agencies in 52 countries have studied on the programme.

This is the only university Masters programme in this area designed exclusively for – and restricted to – law enforcement.

## Why study at UCD?



### Tradition

Established 1854, with 160 years of teaching & research excellence



### Global profile

UCD is ranked in the top 1% of higher education institutions worldwide



### Global community

Over 6,000 international students from over 120 countries study at UCD



### Global careers

Degrees with high employability; dedicated careers support; 1 year stay-back visa



### Safety

Modern parkland campus with 24 hour security, minutes from Dublin city centre

## Course Content and Structure

**90 credits**  
taught masters

**90 credits**  
taught modules

**80 credits**  
taught modules and a 10 credit case study

**60 credits**  
taught modules and a 30 credit research project

Lectures are pre-recorded and provided online via a virtual online learning environment, allowing you to participate from your home or office and attend UCD only for examinations each year in Dublin, the Netherlands or the USA.

### Core Modules

MSc candidates are encouraged to take the following modules in their first year:

- Computer Forensics
- Network Investigations
- Introduction to Programming for Cybercrime Investigators

### Optional modules include:

- Malware Investigation
- Mobile Phone Forensics
- Live Data Forensics
- Linux for Investigators
- Advanced Scripting
- VoIP and Wireless Investigations
- Money Laundering Investigations
- Open Source Intelligence
- Investigation of Sexual Abuse of Children on the Internet
- Case Study
- Research Project



Modules and topics shown are subject to change and are not guaranteed by UCD.

## Career Opportunities

For law enforcement officers, having this qualification has the additional advantage of adding credibility to their testimony as expert witnesses. Career development possibilities in this field are excellent. Graduates include senior staff at Europol and INTERPOL, members of national and regional police forces and police training colleges, government ministries and agencies with LE powers, defence forces, specialist cybercrime agencies, revenue, customs and border protection.



## Apply Now

This programme receives significant interest so please apply early online at [www.ucd.ie/apply](http://www.ucd.ie/apply). There are student intakes in January and September.

## Entry Requirements

- This programme is restricted to LAW ENFORCEMENT (LE) ONLY. Applicants must be working in an investigative role in an organisation that has responsibility for the enforcement of national or local legislation, including police; revenue & customs, border security, military etc.
- Applicants to the MSc / Grad. Diploma / Grad. Certificate programme must have 5 years experience in LE  
OR  
A degree in computing / policing studies / related discipline  
OR  
2 years LE experience in Digital Forensics / Cybercrime Investigation  
OR  
Have completed 3 modules with average grade, B- or above
- Applicants whose first language is not English must also demonstrate English language proficiency of IELTS 6.5 (no band less than 6.0 in each element), or equivalent.

## Graduate Profile

**Victor Völzow, Operational Forensic analyst in Polizei Hessen, Germany**

It's a fantastic opportunity to meet international colleagues and have academic training that is unique in the world. That's very special for us. Colleagues on this study course have already helped me with my own investigations. We also share information on the structure of units and how we can all improve.

## Graduate Profile

**Cindy Murphy, Detective, WI Police Department, USA**

I found the collaboration with international law enforcement one of the most useful aspects of the course. I believe that the MSc is a great credential for court, and for my professional future. My dissertation has been published in a peer-reviewed journal and has generated interest for other papers, a book chapter and international speaking opportunities. Attending UCD provided an opportunity for my work to be noticed, and to begin to make a difference, on an international level.

## Fees

Tuition fee information is available on [www.ucd.ie/fees](http://www.ucd.ie/fees).

## Additional Course Delivery Options

- As well as the MSc, there are Graduate Diploma, Graduate Certificate and single module options.
- There is also a January or September start.

## Related Masters Programmes of Interest

- MSc Digital Investigation and Forensic Computing

## EU Enquiries

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[www.ucd.ie/cci](http://www.ucd.ie/cci)

Centre for Cybersecurity & Cybercrime Investigation, University College Dublin, Belfield, Dublin 4.

## Non-EU Enquiries

✉ : [internationaladmissions@ucd.ie](mailto:internationaladmissions@ucd.ie)

[www.ucd.ie/international](http://www.ucd.ie/international)