



Forensic Computing BSc (Hons)

COURSE FACTS

Faculty	Computing, Engineering and the Built Environment
School	Computing, Telecommunications and Networks
Application	Apply through UCAS. Institution code B25, Course code FG44
Location	City Centre Campus, Millennium Point
Duration	Full-time: three years, part-time: five years, sandwich: four years



KEY FACTS

- Work in a specialist computer forensic laboratory, equipped in accordance with ACP0 (Association of Chief Police Officers of England, Wales and Northern Ireland) guidelines.
- The course is accredited by the Institute of Engineering and Technology (IET) - successful completion meets the academic requirements for IEng status.

WHY CHOOSE US?

- Our School of Computing, Telecommunications and Networks is established as one of the leading academies for Apple, Microsoft and Cisco Systems.
- Specialist security and digital forensics laboratory hosts industry standard forensic software tools including, but not limited to, EnCase Forensic, FTK, .XRY, Oxygen Forensic and WinHex in addition to advanced drive repair and data recovery tools such as Salvation Data's Data Compass, HD Doctor Suite, HPE Pro and Tableau write-blockers and drive cloners.
- Includes study of Information Technology Law: the English legal system, handling and preserving evidence, legislation and law reports, courtroom skills and expert witness skills.

COURSE OVERVIEW

This course will equip you with the skills required to grasp the technical and legal issues, and the ability to apply those skills to practical investigation and report findings in a clear manner to a non-technical audience.

Once you complete the course you will have broad technical skills, knowledge and expertise in digital data recovery, preservation, analysis and the provision of evidence for legal or commercial use. The law theme in this course is run jointly with Birmingham City University's School of Law.

Business Management Theme	Information Technology Theme	IT Forensics Theme	Security and Digital Evidence Theme	Computer Networking Theme
YEAR 1				
Data Analysis 15 Credits	Professional Context of Technology 15 Credits	Systems Programming 30 Credits	Computer Forensic Fundamentals 30 Credits	Computer Network Basics 30 Credits
YEAR 2				
Management in Technical Innovation 15 Credits	The English Legal System 15 Credits	Computer Mobile OS for Forensic Examiners 30 Credits	Security Systems Theory 30 Credits	Switched LANS and WANS 30 Credits
YEAR 3				
Individual Project 30 Credits	Computer Law and the Law of Evidence 15 Credits	Digital Device Forensics 15 Credits	Forensic Investigation of IT Systems 30 Credits	Advanced Networking Technologies 30 Credits

COURSE STRUCTURE

The course is based on a themed approach:

- **IT System Forensics:** Application development, operating systems, computer and network forensic investigation, data analysis and recovery, cryptography, IT surveillance, intrusion detection.
- **Security and Digital Evidence:** Introduction to electronics, error control, forensics for mobile devices, for example, satellite navigation systems, game consoles, portable multimedia players and mobile phones.
- **Information Technology Law:** The English legal system, handling and preserving evidence, legislation and law reports, courtroom skills, expert witness skills.
- **Computer Networking:** Computer networks, LANs, WANs, network design and administration, network security.
- **Business Management:** Management skills, professional reporting, research skills, presentation skills, personal ethics, organisational ethics.

ASSESSMENT

A range of assessment methods are used throughout the course including continuous assessment, in-class tests, examinations, laboratory exercises and project work.

ENTRY REQUIREMENTS

- 280 points. Minimum of two six-unit or one 12-unit A-Level (GCE or VCE)
- Pass National Diploma with Merit Merit Distinction
- Advanced Diplomas are accepted
- AGNVQ overall Merit and GCSE Maths grade C
- Irish: 280 points in ILC, Scot: 280pts from 4 Highers, IB: 30pts

FURTHER STUDY

The University has a range of either taught (MSc) or research (MPhil and PhD) postgraduate programmes. Details can be found on the postgraduate section of the website.

EMPLOYABILITY

This course prepares you to confidently move towards a career as an: IT professional responsible for the planning, implementation, management and support of IT infrastructure; enterprise solution developer; communication network analyst; network operating systems administrator; ICT technical support and management professional; ICT consultant; business analyst; database developer; or web applications developer.

Recent graduates from the school have found employment in specialist digital forensics companies (or departments) in the following companies CCL Group, Deloitte, Capgemini, Kroll Ontrack, West Midlands Police, Cheshire Police Constabulary, Inta Forensics in addition to Hewlett Packard, Bell Micro, Birmingham City Council, BT, Cisco, Ericsson, IBM, Intel Corporation, NHS, Motorola, National Express, NEC, Royal Mail, Shell IT, JP Morgan Chase and Co, Carillion, Siemens and Nokia.

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