



SIIMT University College

Accredited By GTEC | Affiliated To UCC

DIPLOMA IN DIGITAL FORENSIC INVESTIGATION

Course Description | Course Objectives
Requirements | Fees | Hostel | Job opportunities



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GTEC

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CTVET

INTERNATIONAL PARTNERS



UCC



DIPLOMA IN DIGITAL FORENSIC INVESTIGATIONS

INTERNATIONAL PARTNERS

INNOBUZZ, INFRASECURITIES

- **COURSE DESCRIPTION**

Learn to protect employees, customers, systems and web-services, as well as knowing how to perform Digital Forensic Investigations on when an incident occurs.

With no prior knowledge to computers required you will become a Digital Forensic Investigator champ

- **AIM**

Identification of incidents and investigation of computer systems, websites, and networks from online and offline attacks.

- **OBJECTIVES**

- Learn to know your systems into details as well as your baseline for identification of incidents and investigation from all the latest trending attacks.
- Be able to investigate malware attacks, virus intrusions and spreading of worms on networks and hardware device.
- Be able to do Forensic Investigations on Kali Linux and Windows Operating Systems.

- Learn how to image devices and systems for Forensic Analysis (FTK Imager, dd, R-Drive, Guymager etc)
- Be able to use Examination tools such as Autopsy, FTK, Paraben E3, Magnet AXIOM etc.
- Be able to recover forensic evidence from formatted hard disks and peripherals (pen drives, CDs etc).
- Be able to do mobile phone investigations.
- Be able to do Email Investigations.
- Be able to do Network Forensic investigations.
- Be able to do Dark Web Forensic Investigations.

- **REQUIREMENTS**

Basic Knowledge of computers

- **HOSTEL FACILITIES**

Duration: 3 months

Fee: GHC 1500 - 2000

CERTIFIED DIGITAL FORENSIC EXPERT (LEVEL I)

- Forensic Science Domains and current trends
- The Cores of Forensic Science
- Principle of Forensic Science
- Crime Laboratories
- Functions and Duties of Forensic Scientist
- Fallacies of Scientific Evidence
- Ingredients of Crime according to Ghanaian Laws
- Criminal Law and Criminal Procedure Acts
- Criminal Justice System
- Actus Reus and Mens Rea
- Modus Operandi of criminals
- Corpus Delicti and Chain of Custody Concepts.
- Physical Evidence and Related Sub-disciplines
- Evidence Collection methodologies
- Packaging and Transportation of forensic evidence
- Examinations, Interpretation, and Report
- Forensic Archiving, Evaluation, and Expert witness

CERTIFIED DIGITAL FORENSIC EXPERT (LEVEL II)

- Advanced Forensic Fingerprints Analysis
- Forensic Analysis of Documents (Certificates, Passports, Ghanaian and Foreign Currencies, ID Cards, Wills, Receipts/Invoices, Bank cheques, etc.)
- Forensic Analysis of handwriting documents and Signatures
- Bribe Trap methodologies (dry and wet methods)
- Forensic Analysis on Vehicles and Vehicular Scene (Vehicle identification, Tire track analysis, Vehicular paint, and glass analysis)
- Forensic Analysis of Firearms, Ammunitions, Bullets, Cartridges, and gunshots residues
- Forensic Analysis of Biological Evidence (blood, hairs, semen, saliva, etc.)
- Forensic analysis of controlled drugs (Marijuana, Cocaine, Amphetamines, Heroin, Codeine, Tramadol etc.)
- Forensic Palynology (Pollen grains and spores)
- Forensic Entomology (predicting the time of death and time since death)
- Forensic Analysis of Impression evidence (footprints, shoeprints, tool marks)
- Forensic analysis of electronic and digital evidence

CERTIFIED DIGITAL FORENSIC EXPERT (LEVEL III)

- Computer Forensics Concepts and Rules of Thumb
- Computer Forensics Investigation Process
- Understanding Hard Disks and File Systems
- Data Acquisition and Duplication of Computer systems
- Windows Forensic Investigations
- Mobile Forensic Investigations
- Malware Forensics Investigations
- Dark Web Forensics Investigations
- Investigating Email Crimes
- Linux (Attacking Machine) Forensics Investigation
- System Auditing and Log Analysis

PROGRAMS & PRICING

Programs	Registration	Pricing
<i>CDFE - I</i>	GH¢ 100	GH¢ 8000
<i>CDFE - II</i>		
<i>CDFE - III</i>		

• JOB OPPORTUNITIES

Information security analyst

- **Average salary: \$89,795**
- Role: Network or systems administrator

As an information security analyst, you help protect an organization's computer networks and systems

Information security specialist

- **Average salary: \$93,885**
- Role: Networking, IT support, systems engineering

In this role, you're the company's point person for security, ensuring that data remains secure against unauthorized access and cyberattacks. Responsibilities for security specialists vary from organization to organization

Security systems administrator

- **Average salary: \$73,398**
- Role: Systems administrator, information security analyst

In this role, you're typically put in charge of the day-to-day operations of an organization's cybersecurity systems

Cybersecurity manager

- **Average salary: \$151,954**
- Role: Information security analyst, security administrator

In this cybersecurity leadership position, you're responsible for overseeing the security infrastructure at your organization.

Security architect

- **Average salary: \$195,333**
- **Role: Security engineer, information security analyst**

As a security architect, you set the vision for a company's security systems. This role combines programming, threat research, and policy development to keep an organization a step ahead of threats.

Forensic Analyst

- **Average salary: \$117,862**
- **Role: information security analyst, systems administrator, Forensic Examiner**

Working as a Forensic Analyst involves paying attentions to details and doing critical analysis on forensic evidence. This happens right from the crime scene to the forensic laboratory to court.

Digital forensic examiner

- **Average salary: \$92,565**
- **Role: IT support, risk analyst**

If you enjoy seeking clues to solve a puzzle, this role might be for you. Digital forensic investigators retrieve information from computers and other digital devices to discover how an unauthorized person accessed a system or to gather evidence for legal purposes.

IT auditor

- **Average salary: \$79,427**
- **Role: Network administrator, risk analyst, IT support**

As an IT auditor, you'll assess your organization's technology for potential issues with security, efficiency, and compliance.

