infolearn Technologies

Train. Certify. Succeed.

INFOLEARN'S PROFESSIONAL SKILLS COURSES
2026

Job-Ready IT Skills. Real-World Results.

Whether you're starting a tech career, switching paths, or upskilling for your next role, Infolearn's hands-on, instructor-led courses are designed to give you the skills employers are looking for right now.

Each course combines practical labs with expert-led sessions, aligned to industry certifications and real-world job roles.

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Which course is right for you?

Networking Foundations & Protocols

Ideal for learners targeting entry-level networking roles.

Career Options:

- Network Support Technician
- Junior Network Engineer
- IT Technician
- Helpdesk Analyst (Level 1/2)
- Field Service Engineer
- Infrastructure Support Assistant
- Network Operations Centre (NOC) Technician

Cloud Architecture Fundamentals

Prepares learners for infrastructure and architecture-focused roles in cloud environments.

Career Options:

- Cloud Support Engineer
- Junior Cloud Solutions Architect
- Cloud Operations Analyst
- Cloud Systems Administrator
- Infrastructure Support Engineer
- Technical Cloud Consultant (Associate-Level)
- Cloud Migration Assistant

Cybersecurity Essentials

Best for entry- to mid-level roles in security operations.

Career Options:

- Cybersecurity Analyst (Entry-Level)
- SOC Analyst (Tier 1)
- IT Security Support
- Information Security Assistant
- Security Awareness Trainer (Entry-Level)
- Security Compliance Analyst
- Vulnerability Management Associate
- Risk & Governance Assistant

Cybersecurity Advanced

Best for intermediate level roles in security operations.

Career Options:

- SOC Analyst (Tier 2 / Intermediate)
- IT Security Analyst
- Network Security Technician
- Incident Response Specialist (Junior)
- Cybersecurity Engineer (Junior Level)
- Security Operations Analyst
- Compliance & Risk Assistant
- Security Auditor (with open-source tools)

DevOps & Automation Basics

For those aiming to work in modern IT automation, DevOps, and CI/CD.

Career Options:

- Junior DevOps Engineer
- Automation Specialist
- Site Reliability Engineer (Junior)
- CI/CD Pipeline Developer
- Infrastructure as Code (IaC) Engineer
- Cloud Deployment Engineer
- Build & Release Engineer
- Platform Engineer (Entry-Level)

Linux & Scripting Essentials

Designed to support IT staff or beginners moving into Linux-based systems roles.

Career Options:

- Linux Support Technician
- Junior Linux Administrator
- Systems Support Engineer
- Infrastructure Support Analyst
- Automation Assistant
- IT Operations Support
- Scripting Technician (Bash/Python)
- Open-Source Systems Assistant

AI & Machine Learning Concepts with Python

Great for learners with some Python experience entering AI and data roles.

Career Options:

- AI/ML Developer (Junior)
- Python Automation Engineer
- Junior Data Scientist
- Machine Learning Assistant
- Data Analyst with ML Tools
- AI Research Intern
- NLP or Computer Vision Intern
- Model Testing & Evaluation Assistant

Incident Response & SOC Operations

Specialist course focused on real-world SOC and Microsoft security operations.

Career Options:

- SOC Analyst (Tier 1 or 2)
- Security Operations Engineer
- Threat Intelligence Analyst (Entry-Level)
- Microsoft Security Specialist
- Cyber Incident Responder
- SIEM Engineer (Junior – Sentinel/KQL)
- Compliance & Identity Analyst
- Cloud Security Support Engineer
- Security Analyst – Microsoft 365 Defender Suite

NETWORKING FOUNDATION & PROTOCOLS

Duration

5 Days

Delivery

Instructor-led (Online) with hands-on labs

Audience

- Aspiring network engineers
- IT support staff
- Technical college students

Pre-requisites

- Basic understanding of computers and operating systems.
- Familiarity with IP addressing is helpful but not required.

Course Description

This foundational networking course provides a comprehensive introduction to core networking concepts, devices, and protocols. Designed for aspiring network professionals, the course blends theory with practical configuration skills across Layer 2 and Layer 3 technologies. Learners will gain hands-on experience with real-world scenarios, preparing them for entry-level roles or further certification-based training such as CompTIA Network+ or Cisco CCNA.

Learning Objectives

- Configure and manage basic network devices (routers, switches)
- Implement VLANs and Layer 2 redundancy
- Understand and apply Layer 3 networking principles
- Set up static routing and basic routing protocols (e.g., RIP, OSPF)
- Troubleshoot common network connectivity issues

Modules

1. Basic Device Management and Administration
2. Link Aggregation
3. VLAN Theory and Configuration
4. L2 Redundancy and Configuration
5. L3 Networking Fundamentals
6. Routing Concepts
7. Basic Routing Protocols
8. L3 Redundancy and Configuration
9. Additional Router Concepts

Assessment

- Knowledge checks after each module
- Hands-on lab activities
- Final practical assessment and troubleshooting task
- Examination

Certification

Infolearn Professional Certificate

Career Pathways

Network Support Technician, Network Engineer, IT Technician

CYBERSECURITY ESSENTIALS

Duration

4 Days

Delivery

Instructor-led (Online) with hands-on labs

Audience

- Aspiring cybersecurity analysts
- IT support staff
- Technical college students

Pre-requisites

- Basic understanding of computers and operating systems.
- Understanding of networking fundamentals

Course Description

This 4-day Cybersecurity Essentials course provides a foundational introduction to key concepts in cybersecurity. Learners will explore common threats, attack vectors, identity and access control mechanisms, and cryptographic principles used to secure systems and data. Delivered through a blend of expert-led sessions and practical lab exercises, this course equips participants with baseline security skills to identify and mitigate basic risks in modern IT environments. It also serves as an ideal first step for learners aiming to pursue industry-recognized certifications such as CompTIA Security+.

Learning Objectives

- Recognize common cybersecurity threats, vulnerabilities, and attack types and understand their impact on systems and data.
- Analyze risk scenarios and assess potential organizational exposure.
- Implement identity and access control models for secure user authentication and authorization.
- Apply core cryptographic principles to secure data in transit and at rest.
- Understand the fundamentals of secure communications protocols.
- Gain practical experience through labs using open-source tools like Wireshark to analyze traffic and detect basic vulnerabilities.

Modules

1. Introduction to Threats, Vulnerabilities & Attacks
2. Access Control Models & Identity Management (IAM)
3. Cryptography Basics & Secure Communications
4. Labs: Threat identification, Access Control, Encrypting & Decrypting Data

Assessment

- Knowledge checks after each module
- Hands-on lab activities
- Final practical assessment and troubleshooting task
- Examination

Career Pathways

- Junior Cybersecurity Analyst
- SOC Analyst - Trainee
- IT Security Support

Certification

Infolearn Professional Certificate

CYBERSECURITY ADVANCED

Duration

5 Days

Delivery

Instructor-led (Online) with hands-on labs

Audience

- Aspiring cybersecurity analysts
- IT support staff
- Technical college students

Pre-requisites

- Completion of Cybersecurity Essentials or equivalent knowledge
- Basic understanding of system hardening, cryptography, and identity/access management

Course Description

Cybersecurity Advanced is a 5-day course for learners with foundational cybersecurity knowledge who want to build advanced skills in endpoint security, network defense, policy implementation, and incident response. The course explores practical topics like system hardening, firewalls, IDS/IPS, SIEM, and compliance frameworks. Learners engage in hands-on labs and simulations using real-world tools. It supports intermediate certifications like CompTIA Security+ and prepares participants for roles in SOC and IT security teams.

Learning Objectives

- Harden systems and secure endpoints by implementing patching strategies and baseline configurations.
- Deploy and configure network security tools such as firewalls, intrusion detection/prevention systems (IDS/IPS), and SIEM platforms.
- Interpret logs and alerts to identify potential intrusions or abnormal behavior.
- Design and apply security policies in alignment with risk management principles and regulatory frameworks (e.g., GDPR, ISO 27001).
- Develop and implement incident response plans for detecting, containing, and recovering from security breaches.
- Perform security audits using open-source tools to assess system vulnerabilities and validate remediation.

Modules

1. Endpoint Security, Patching & Hardening
2. Network Security Tools (Firewall concepts, IDS/IPS, SIEM)
3. Cybersecurity Policies, Risk Management, and Compliance
4. Incident Response & Recovery Procedures
5. Labs: Security Auditing using Open-Source Tools

Assessment

- Knowledge checks after each module
- Hands-on lab activities
- Final practical assessment and troubleshooting task
- Examination

Career Pathways

- Cybersecurity Analyst
- SOC Analyst (Level 1/2)
- Security Operations Analyst
- IT Risk & Compliance Assistant

Certification

Infolearn Professional Certificate

CLOUD ARCHITECTURE FUNDAMENTALS

Duration

5 Days

Delivery

Instructor-led (Online) with hands-on labs

Audience

- Aspiring cloud architects
- IT professionals
- Systems engineers

Pre-requisites

- Basic IT knowledge
- Understanding of networking and virtualization

Course Description

This foundational course equips learners with the core principles of cloud architecture, enabling them to design, evaluate, and manage scalable, secure, and cost-effective cloud solutions. Through expert-led sessions and practical labs, participants will gain hands-on experience with deployment models, virtual resource management, identity and access controls, and business continuity planning in modern cloud environments.

Whether you're preparing for a role in cloud architecture or enhancing your current skills, this course builds the essential knowledge required to navigate public, private, hybrid, and multi-cloud strategies.

Learning Objectives

- Explain cloud computing models and architectures
- Design multi-cloud and hybrid strategies
- Manage virtual resources and access control in cloud
- Understand HA, DR, and cost models in cloud infrastructure

Modules

1. Intro to Cloud Concepts: IaaS, PaaS, SaaS
2. Public, Private, Hybrid & Multi-Cloud Strategies
3. Virtualisation Concepts & Resource Management
4. Identity & Access in the Cloud
5. Network & Storage in Cloud Infrastructures
6. Business Continuity, HA & DR Concepts in Cloud
7. Cost Models & Billing Structures
8. Labs: Simulated deployments using open-source tools or vendor-neutral labs.

Assessment

- Knowledge checks after each module
- Hands-on lab activities
- Final practical assessment and troubleshooting task
- Examination

Certification

Infolearn Professional Certificate

Career Pathways

Cloud Solutions Architect, Cloud Support Engineer, DevOps Engineer

DEVOPS & AUTOMATION

Duration

5 Days

Delivery

Instructor-led (Online) with hands-on labs

Audience

- Aspiring DevOps engineers
- System admins
- IT generalists

Pre-requisites

- Basic command-line and scripting knowledge
- Understanding of cloud platforms

Course Description

This hands-on course introduces the core concepts and tools of DevOps, equipping learners with practical skills in version control, CI/CD pipelines, containerization, cloud deployment, infrastructure as code, and monitoring. Using widely adopted open-source tools like Git, Jenkins, Docker, Kubernetes, Terraform, and Ansible, participants will gain real-world experience in building and automating modern software delivery pipelines. The course includes labs and a capstone project, making it ideal for IT professionals aiming to develop job-ready DevOps capabilities.

Learning Objectives

- DevOps lifecycle, core principles, and differences from models like Waterfall and Agile.
- Use Git for version control, collaborate on code, and resolve merge conflicts via GitHub or GitLab.
- Build CI/CD pipelines with tools like Jenkins or GitHub Actions to automate build, test, and deployment.
- Provision infrastructure using Terraform and manage configurations with Ansible.
- Deploy and manage containers using Docker and Kubernetes in a lab setting.
- Understand IaaS, PaaS, SaaS, and deploy basic apps with public cloud storage and compute.
- Set up monitoring and logging (e.g., Prometheus, Grafana, ELK) for system and app insights.
- Apply security best practices including scanning, secrets management, and compliance as code.

Modules

1. Introduction to DevOps
2. Git & Version Control
3. CI/CD Fundamentals
4. Infrastructure as Code (IaC) Basics
5. Configuration Management Basics
6. Cloud Essentials
7. Containerization Basics
8. Monitoring & Logging Basics
9. DevOps Security Essentials
10. Collaboration Basics
11. Mini Capstone Project

Assessment

- Knowledge checks after each module
- Hands-on lab activities
- Final practical assessment and troubleshooting task
- Examination

Career Pathways

- DevOps Engineer
- Automation Specialist
- Junior Site Reliability Engineer

Certification

Infolearn Professional Certificate

LINUX & SCRIPTING ESSENTIALS

Duration

5 Days

Delivery

Instructor-led (Online) with hands-on labs

Audience

- IT beginners
- Aspiring Linux admins
- Support staff

Pre-requisites

- Basic computer literacy
- No prior Linux experience required

Course Description

This practical, beginner-friendly course introduces participants to the fundamentals of Linux system administration and automation. Designed for those new to Linux, it provides hands-on experience with essential command-line tools, user and file management, system services, and automation using both Bash and Python scripting. Learners will gain the skills needed to perform routine system tasks efficiently and prepare for entry-level roles in Linux support and system administration.

Learning Objectives

- Navigate and use the Linux command line (CLI)
- Manage users, files, permissions, and disk systems
- Automate routine tasks using Bash and Python scripts
- Monitor processes, logs, and system services
- Configure and schedule automated jobs using cron
- Troubleshoot common Linux system issues using log files and diagnostic commands

Modules

1. Linux CLI & Shell Basics (Bash)
2. User Management, File Permissions & Ownership
3. Filesystem Navigation, Mounting & Disk Management
4. System Services & Daemons
5. Process Management & Logging
6. Cron Jobs & Basic Bash Scripting
7. Intro to Python for Automation
8. Labs: Scripting automation tasks in a Linux VM environment

Assessment

- Knowledge checks after each module
- Hands-on lab activities
- Final practical assessment and troubleshooting task
- Examination

Certification

Infolearn Professional Certificate

Career Pathways

Linux Administrator, Support Technician, Automation Assistant

AI & MACHINE LEARNING CONCEPTS WITH PYTHON

Duration

7 Days

Delivery

Instructor-led (Online) with hands-on labs

Audience

- Aspiring data scientists
- AI/ML enthusiasts
- Developers

Pre-requisites

- Python programming basics
- Basic statistics and math knowledge

Course Description

This hands-on course introduces foundational AI and machine learning concepts using Python and key libraries such as scikit-learn and TensorFlow. Participants will learn how to prepare data, build and evaluate models using supervised and unsupervised techniques, explore neural networks, and deploy models via REST APIs. The course also covers model optimization, emerging trends, and ethical AI practices, culminating in a capstone project simulating a real-world machine learning workflow.

Learning Objectives

- Prepare and preprocess real-world datasets for machine learning using techniques such as normalization, encoding, and dimensionality reduction.
- Build, train, and evaluate machine learning models using both supervised and unsupervised learning algorithms with scikit-learn.
- Design and deploy deep learning models using TensorFlow/Keras and expose them via APIs built with Flask or FastAPI.
- Optimize model performance through hyperparameter tuning and explore emerging trends and ethical considerations in AI, including fairness, explainability, and federated learning.

Modules

1. Python Essentials for AI/ML
2. Data Preprocessing & Feature Engineering
3. Supervised Learning
4. Unsupervised Learning
5. Neural Network Basics
6. Advanced Architectures
7. Model Deployment with Flask/FastAPI
8. Model Optimization & Scaling
9. Capstone Project
10. Future Trends & Ethics

Assessment

- Knowledge checks after each module
- Hands-on lab activities
- Final practical assessment and troubleshooting task
- Examination

Career Pathways

- AI/ML Developer
- Data Scientist (Junior)
- Python Automation Engineer

Certification

Infolearn Professional Certificate

INCIDENT RESPONSE & SOC OPERATIONS

Duration

7 Days

Delivery

Instructor-led (Online) with hands-on labs

Audience

- SOC analysts
- IT security professionals
- Cybersecurity learners

Pre-requisites

- Basic cybersecurity knowledge
- Familiarity with Microsoft cloud services is recommended

Course Description

This course provides hands-on training in threat detection, incident response, and compliance using Microsoft's security tools, including Defender XDR, Sentinel, Entra ID, and Defender for Cloud. Learners will build practical skills in identity management, threat investigation, and regulatory alignment, guided by the NIST Cybersecurity Framework. Ideal for those entering or upskilling in SOC roles, the course combines real-world labs with exam-focused preparation to build operational security confidence.

Learning Objectives

- Use Microsoft security tools (Entra ID, Defender XDR, Sentinel, Defender for Cloud) for threat detection and compliance.
- Configure identity and access controls with Conditional Access, MFA, RBAC, and DLP.
- Investigate threats using Sentinel and KQL, and automate response with Defender playbooks.
- Secure Azure and hybrid workloads using cloud security best practices.
- Align operations with the NIST Cybersecurity Framework through real-world labs and SOC simulations.

Modules

1. Introduction to Security, Compliance & Identity
2. Microsoft Entra ID & Access Management
3. Microsoft Compliance & Risk Management
4. Introduction to Security Operations
5. Threat Detection & Investigation with Microsoft Defender XDR
6. Threat Detection using Microsoft Sentinel (SIEM)
7. Incident Response & Remediation
8. Cloud Security with Microsoft Defender for Cloud
9. Introduction to NIST Cybersecurity Framework (CSF)
10. Identify – Understanding Risk & Assets
11. Protect – Implementing Security Controls
12. Detect – Threat Detection & Monitoring
13. Respond – Incident Lifecycle & Handling
14. Recover – Business Continuity & Compliance
15. Hands-On Labs & Exam Preparation

Assessment

- Knowledge checks after each module
- Hands-on lab activities
- Final practical assessment and troubleshooting task
- Examination

Certification

Infolearn Professional Certificate

Career Pathways

Network Support Technician
Network Engineer
IT Technician

COURSE PRICING

Course Name	Duration	Level	Price (GBP)
Networking Foundations & Protocols	5 Days	Foundation	£999
Linux & Scripting Essentials	5 Days	Foundation	£999
Cloud Architecture Fundamentals	5 Days	Intermediate	£1249
DevOps & Automation Basics	6 Days	Intermediate	£1249
AI & ML Concepts with Python	7 Days	Intermediate/Advanced	£1499
Cybersecurity Essentials Cybersecurity Advanced	4 Days 5 Days	Intermediate Advanced	£1249 £1499
Incident Response & SOC Operations	7 Days	Advanced	£1499

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All Courses Include

- Live Online, Instructor-Led Sessions

Real-time learning from seasoned industry professionals.

- Hands-On Labs & Real Tools

Work with live systems and environments that simulate actual job tasks.

- Job-Ready Curriculum

Mapped to real roles like SOC Analyst, Network Engineer, DevOps Engineer, and more.

- Certification-Driven Content

Aligned with certifications like CompTIA Security+, Cisco CCNA, Microsoft SC-200, etc.

- Infolearn Professional Certificate

Enhance your CV, LinkedIn profile, or job application with verified achievements.

- Career Support Materials

Includes CV/LinkedIn templates, job interview prep, and role-based guidance.

- Replay Access & Support

Post-course access to recordings and troubleshooting assistance (where applicable).

INFOLEARN COURSE BROCHURE
2025

Contact

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