Level 2 Diploma | Computer Engineering

www.elatt.org.uk/courses/computer-engineering-level-2

ADULT COURSES

6 - 12 Weeks
DURATION

6 - 12 Hours
HOURS PER WEEK

9.30am - 4.30pm
DAYTIME HOURS

6.00pm - 9.00pm
EVENING HOURS

Online
ENVIRONMENT

What you will learn

Gain essential skills through project-based learning and real-world scenarios, including:

- Fundamentals of computer hardware and assembly.
- Introduction to networking and network security.
- Software installation and system configuration.
- Troubleshooting hardware and software issues.
- Understanding of digital technologies and workplace IT systems.
- Essential cybersecurity principles and online.safety
- Customer support provision, ICT system and data security, technical fault diagnosis, Windows-based operating systems, and networking fundamentals.
- Engage in practical learning by **diagnosing technical issues**, managing **operating systems**, and understanding **security threats**, ensuring you develop both **problem-solving abilities** and **technical proficiency**.

Entry Requirements

No formal qualifications are required to join this course.
However, students should have basic computer skills, including:

- Familiarity with office applications (e.g., Word, Excel).
- Basic email communication skills.
- General IT usage and digital confidence.

Level 3 Diploma | Computer Engineering

www.elatt.org.uk/courses/computer-engineering-level-3

ADULT COURSES

12 - 24 Weeks
DURATION

6 - 12 Hours
HOURS PER WEEK

9.30am - 4.30pm
DAYTIME HOURS

6.00pm - 9.00pm
EVENING HOURS

Online
ENVIRONMENT

What you will learn

Build advanced skills through hands-on projects and real-world simulations, including:

- Network architecture and protocols.
- Firewall configuration and cybersecurity measures.
- Windows and Linux system administration.
- Advanced troubleshooting and fault diagnosis.
- Virtualisation and cloud-based systems.
- Data protection, backup systems, and disaster recovery.
- Scripting and automation for IT operations.
- Customer support provision.
- IT consulting fundamentals.
- Office and productivity software (e.g. Word, Excel).
- Cloud infrastructure simulation and deployment.
- Network management and performance monitoring.
- IT security fundamentals and risk assessments.
- Windows-based server administration.
- Server installation and configuration projects.
- Develop both **technical expertise** and **problem-solving abilities** through practical learning, peer collaboration, and tutor-led workshops—preparing you for real roles in today's digital infrastructure.

Entry Requirements

Before enrolling in this course, students should ideally have:

- A basic understanding of IT, such as a Level 2 IT qualification, GCSE ICT, or equivalent experience.
- Prior knowledge of computer hardware, networking, and Windows operating systems.