

### DURATION, DAY, DATE AND TIME OF THE COURSE:

6 weeks starting on Thursday 9May 2024, 10.00 - 17.00

### VENUE:

East Surrey College, Gatton Point, London Road, Redhill RH1 2JX.

### PRIOR KNOWLEDGE/SKILLS REQUIRED:

Good computer network knowledge with GCSE English and Maths at grade 4 or above.

### COURSE DESCRIPTION:

This course serves as an introduction to the fundamentals of computer network security. Participants will delve into the principles, techniques, and best practices essential for safeguarding networked systems and data from various cyber threats. Through a combination of theoretical lectures, hands-on exercises, and real-world case studies, students will acquire foundational knowledge and practical skills necessary for implementing basic security measures in a networked environment.

### UNITS/TOPICS COVERED:

- Types of firewalls (Packet filtering, Proxy, Stateful inspection)
- Basics of VPNs
- Common networking issues and their resolution
- SNMP (Simple Network Management Protocol)
- Introduction to Cloud Networking
- Basics of cloud computing and networking
- Basics of network design
- SDN (Software-Defined Networking)
- IoT (Internet of Things) networking
- 5G networking
- Ethical and Legal Considerations in Networking:
- Network security best practices.
- Privacy concerns
- Legal aspects of network usage and monitoring

### EQUIPMENT NEEDED:

Pens/pencils and a notepad

### WHERE CAN IT LEAD?

Pen Testing or ethical hacking course

### COURSE FEE: £294

If you are 19+ on 31 August 2023, the standard fee will apply unless you qualify for free tuition and this will be your first leisure course in the current academic year. Contact Client Services for advice and guidance on funding and eligibility. Please be aware that there may be additional costs for materials.

### WHAT TO DO NEXT:

If you have any outstanding queries please contact our Client Services team on 01737 788444 or at [clientservices@esc.ac.uk](mailto:clientservices@esc.ac.uk).

To apply online for this course please visit [www.esc.ac.uk](http://www.esc.ac.uk).

### Disclaimer:

Every effort has been made to ensure that the details contained in this leaflet are up-to-date and accurate at the time of printing. However, the College reserves the right to alter or cancel courses, their content, entry requirements, fees or other details should circumstance dictate. Should you require this leaflet in a different format please contact Client Services on 01737 788444.

