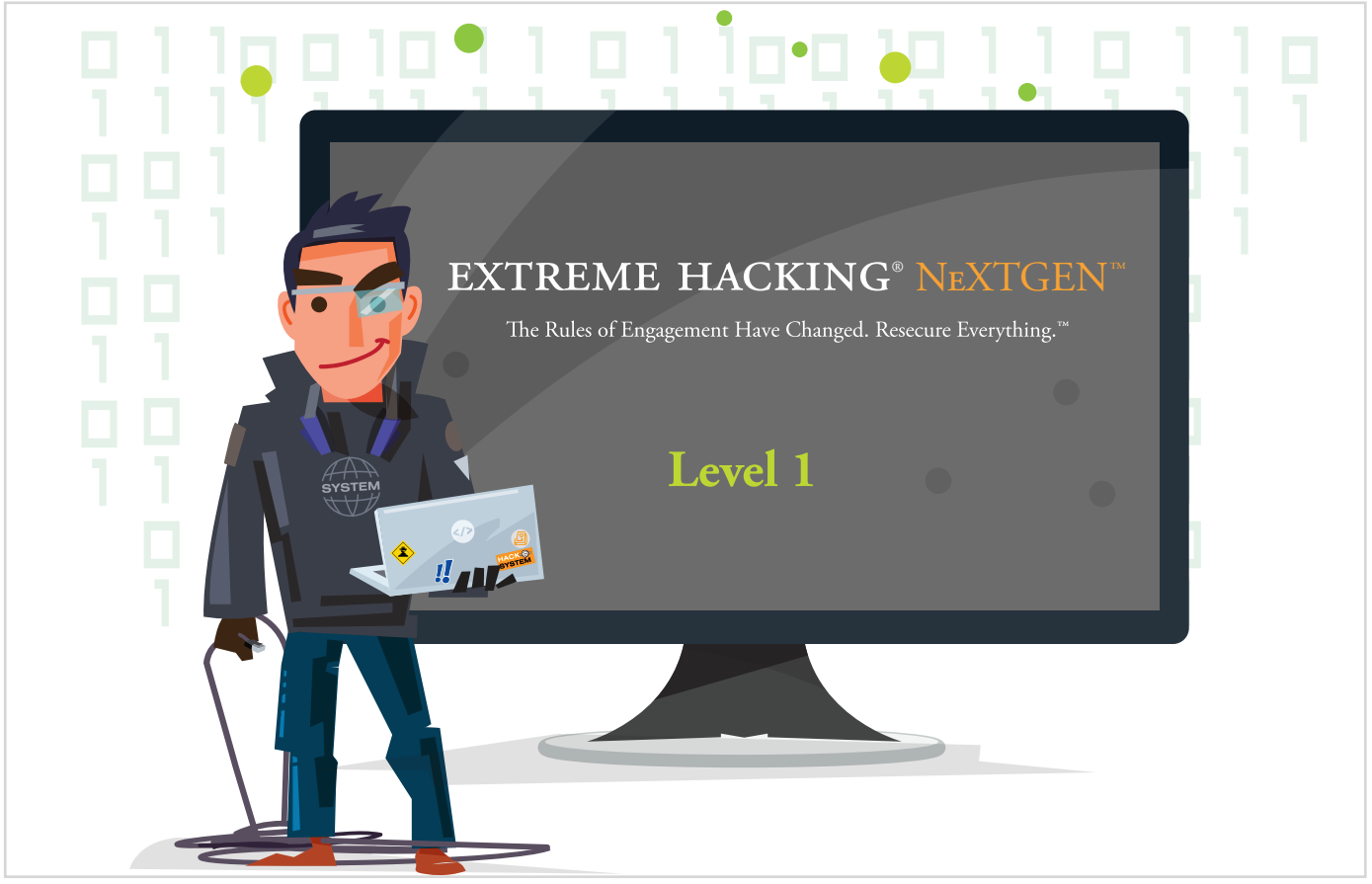



# ROCHESTON® CERTIFIED CYBERSECURITY ENGINEER

*Certified by Rocheston®*

## RCCE® Certification Program Guide


ROCHESTON
NEW YORK
DISTINGUISHED

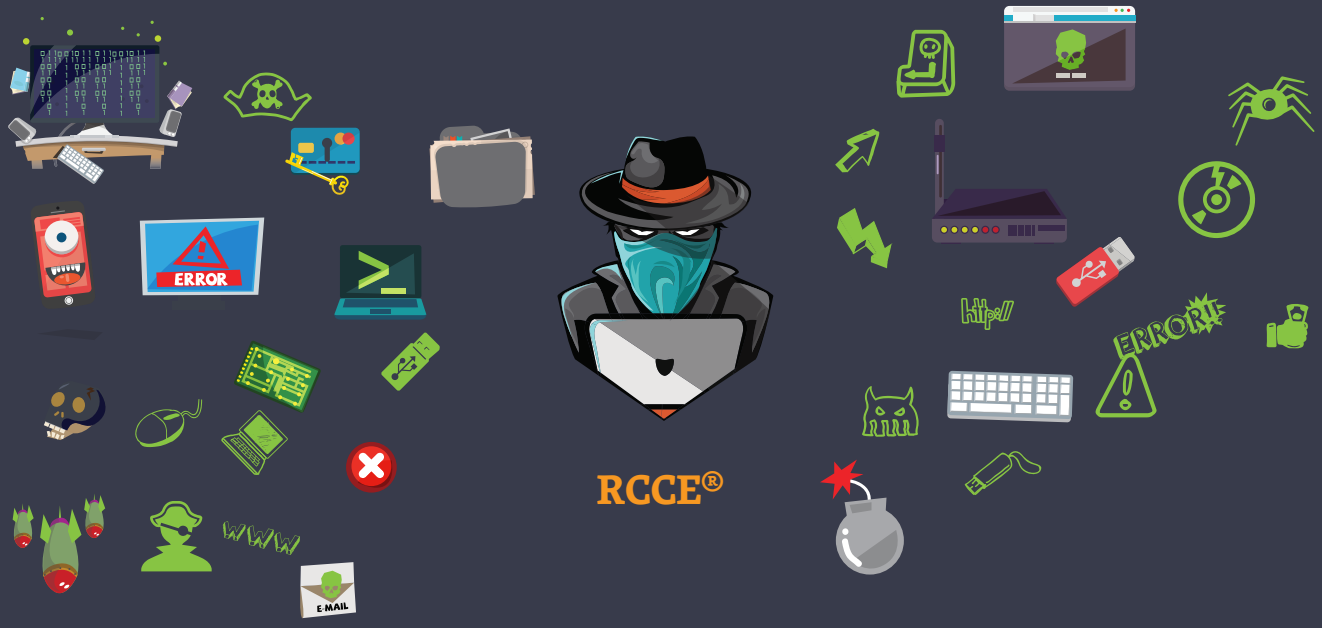
## About Rocheston

Rocheston, a young New York based internet technology start-up, despite being in its nascent stage, is a company that is raring to go. Rocheston has a worldwide presence, with its headquarters in New York. The company's technology development center is based out of Chennai, with reach offices in Singapore and Dubai.

The team at Rocheston consists of young, liberal, innovative and forward-thinking individuals **who want to make a difference and change the world. At its core, Rocheston is a next-generation innovation company**, with cutting-edge research and development in emerging technologies such as Cybersecurity, Internet of Things, Big Data and automation.

# Rocheston Certified Cybersecurity Engineer (RCCE®)

**The RCCE® Level 1 course will delve into the basics of cybersecurity along with hands-on labs.** You will gain an insight into hacking technologies and tools. **Level 1 covers the foundation of hacking technologies.** For instance, it looks at Web application attacks, Trojans and Malware, Denial of Service attacks, metasploit, firewalls, cryptography, cracking passwords, hacking the cloud etc. **The RCCE® Level 1 is a mandatory requirement, to move to the Level 2 program.** This course is 100% Linux based.

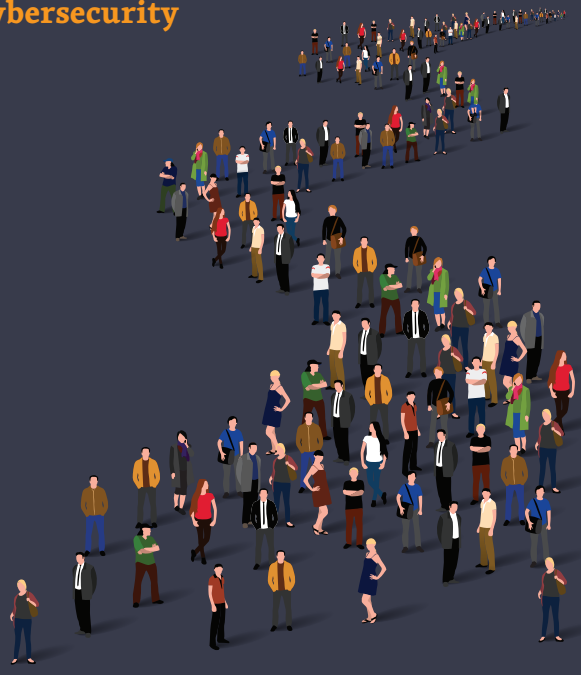


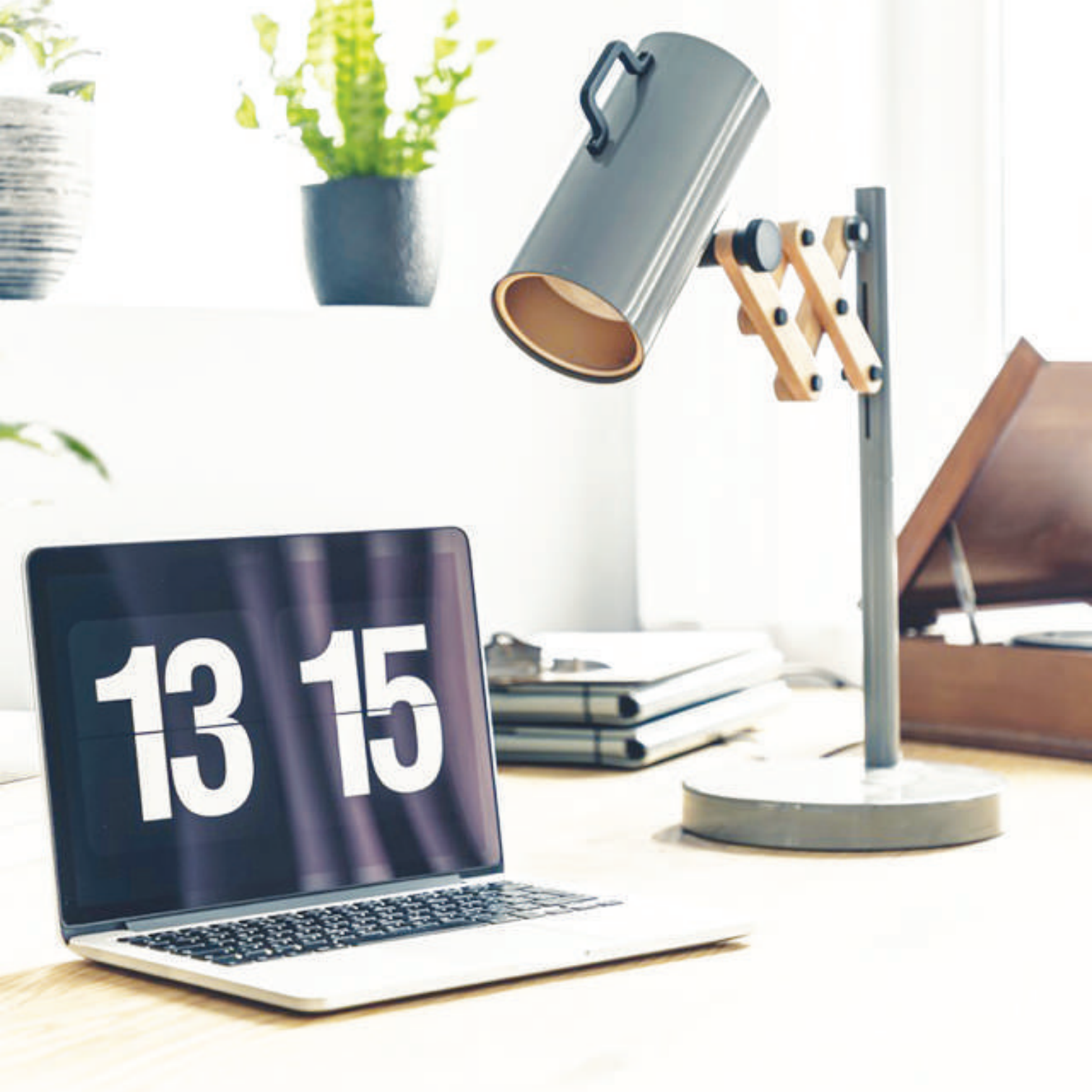
# Target Audience

There is a growing need for an equally sophisticated cybersecurity framework with the increased dependence on interconnected cloud technologies.

**Individuals who wish to build a career in cybersecurity across the following industries:**

- Healthcare
- Smart Cities
- Industry 4.0
- Transportation
- Electronics
- Governance
- Automation
- Robotics
- Telecom
- Smart Appliances
- Department of Defense
- Finance




13 15

## Eligibility

A Bachelor's degree with one year of professional experience or credential in computer science, engineering, mathematics, or other information technology related fields.

### What the course will consist of:

- A 5-day Training Program
- Time: 9:30 AM – 6 PM
- The provision of an active web portal
- Seminars conducted by qualified engineers
- Best in-class environment

### Cost

For pricing in your region, please contact the local distributor.

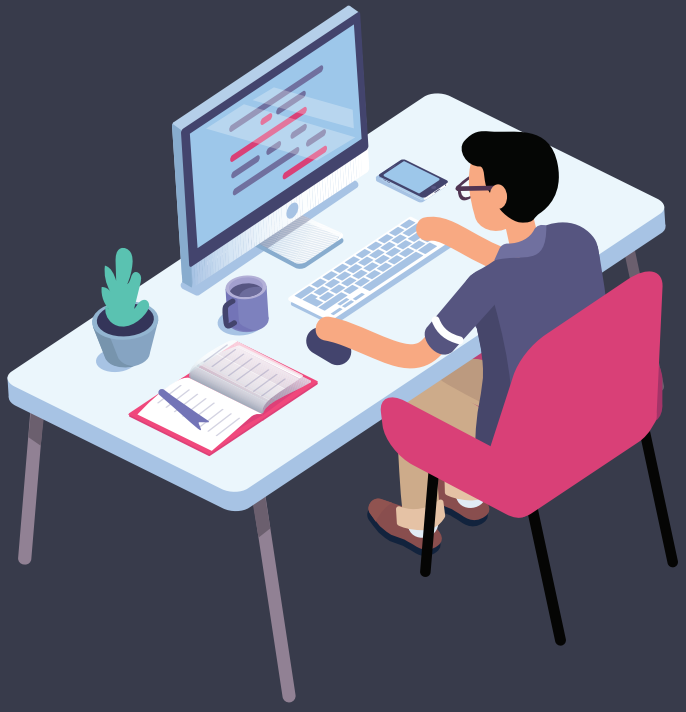
# RCCE® Exam

- Exam can be taken on Rocheston Cyberclass or Pearson VUE testing platform.
- Multiple Choice Objective Questions
- Total count - approximately 90 questions for each exam
- Pass Percentage: 72%
- Retake Policy - You may retake the exam any time on an additional fee. For further details contact the exam coordinator.

## The Cyberclass **Web Portal**

The access to an online e-learning platform will be given to attendants on registration. It will contain a series of study videos, pre-recorded lectures, white papers, educational animations and power point presentations. The Web Portal can be used to catch-up on a missed session or to view an attended session again.

**http://cyberclass.rocheston.com**



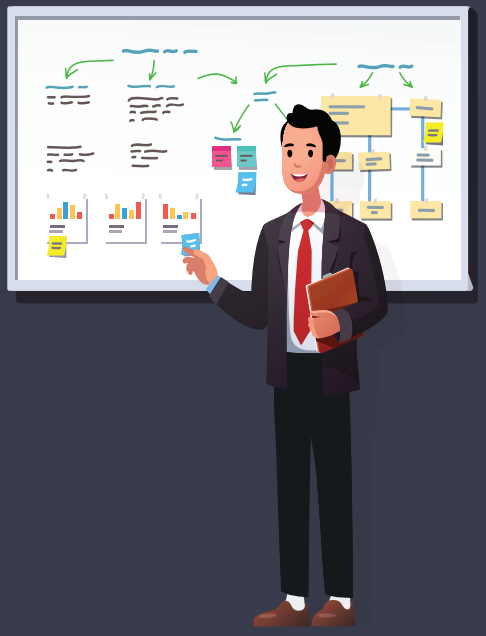
## Course Completion

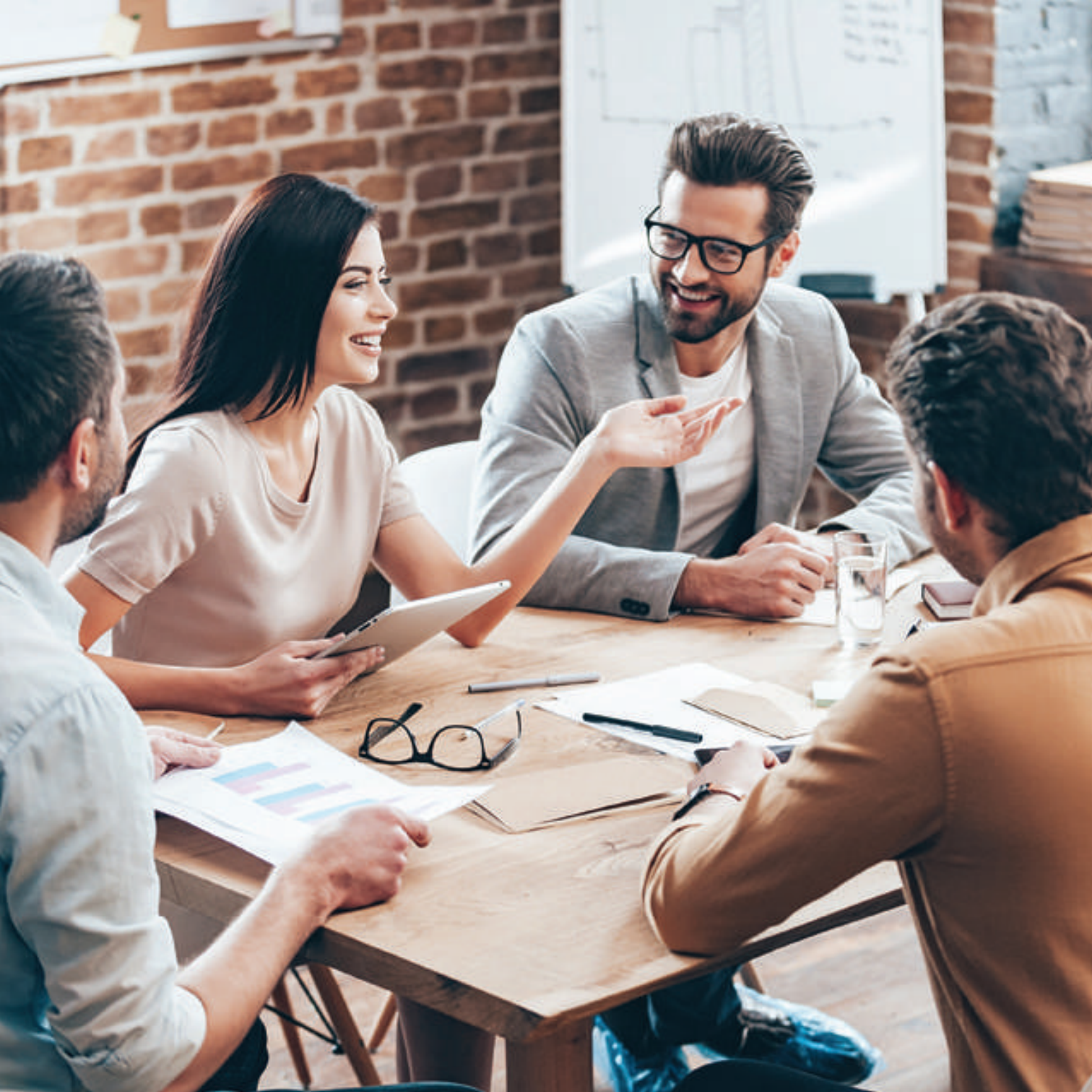
- On completing the course and successfully passing the exam, the candidate will be provided with a RCCE certification.
- Candidates are free to use the logo as per the Terms & Conditions as a Rocheston Certified Professional.
- The candidate will also receive a Welcome Kit and login information to access the Members' Portal.
- The Members' Portal is an online forum for Certified RCCEs to interact.
- The certification is valid for two years and it can be renewed online.
- Contact the course coordinator for any enquiries about the renewal fee or downloading of the updated course material.

# Course Objectives

**In the RCCE® Level 1 program you will learn to:**

- Utilize vulnerabilities to identify if unauthorized activity is possible.
- Carry out effective penetration tests.
- Understand advanced cybersecurity solutions.
- RCCE Level 1 imparts specialist knowledge on persistent privacy problems, malware vulnerabilities, cybersecurity vulnerabilities, insecure networks, penetration testing and many other problems.
- Understand the types of cybersecurity threats and attacks, artificial intelligence, cloud computing and different types of scripting languages.





# Course Outline

## RCCE® Level 1

**Module 1:** Cybersecurity threats, attacks and defenses
**Module 2:** Information gathering and network scanning
**Module 3:** Cyber Vulnerabilities
**Module 4:** Web Application Attacks
**Module 5:** Web shells, Spywares and Backdoors
**Module 6:** Denial of Service Attacks
**Module 7:** Packet Sniffers and Network Analyzers
**Module 8:** Password Cracking
**Module 9:** Wireless Hacking
**Module 10:** Firewalls and IDS
**Module 11:** Hacking Frameworks
**Module 12:** Cryptography
**Module 13:** Malware attacks
**Module 14:** Phishing Attacks
**Module 15:** Hacking IDS and Firewalls

**Module 16:** Hacking Facebook, Twitter, WhatsApp and Others

**Module 17:** Hacking Cloud Computing

**Module 18:** Hacking Cloud networks

**Module 19:** Supply Chain Attacks

**Module 20:** Mobile Phone Hacking

**Module 21:** Metasploit Framework

**Module 22:** Webserver Hacking

**Module 23:** Patch management

**Module 24:** Malware analysis

**Module 25:** Penetration Testing

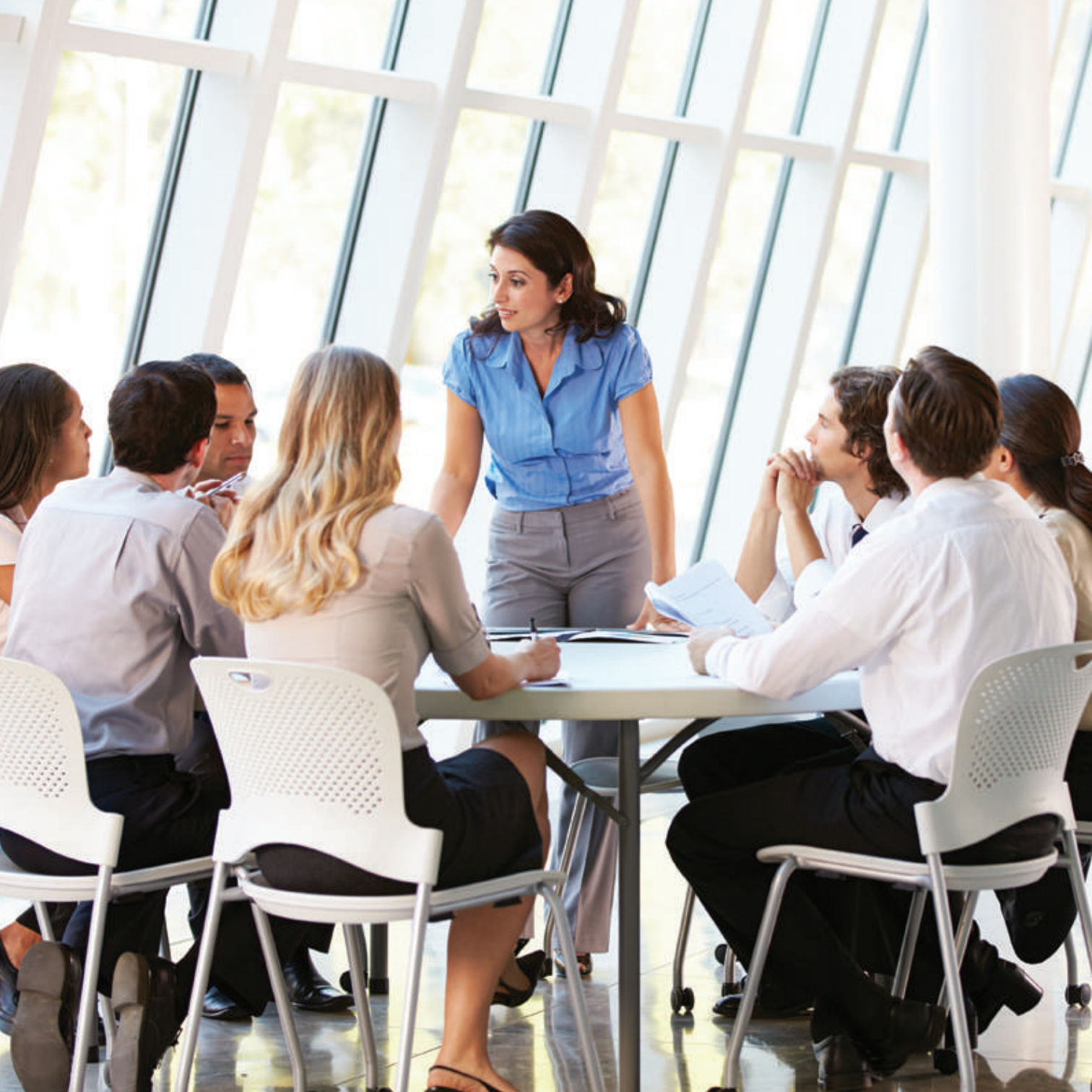
**Module 26:** Policies and Procedures

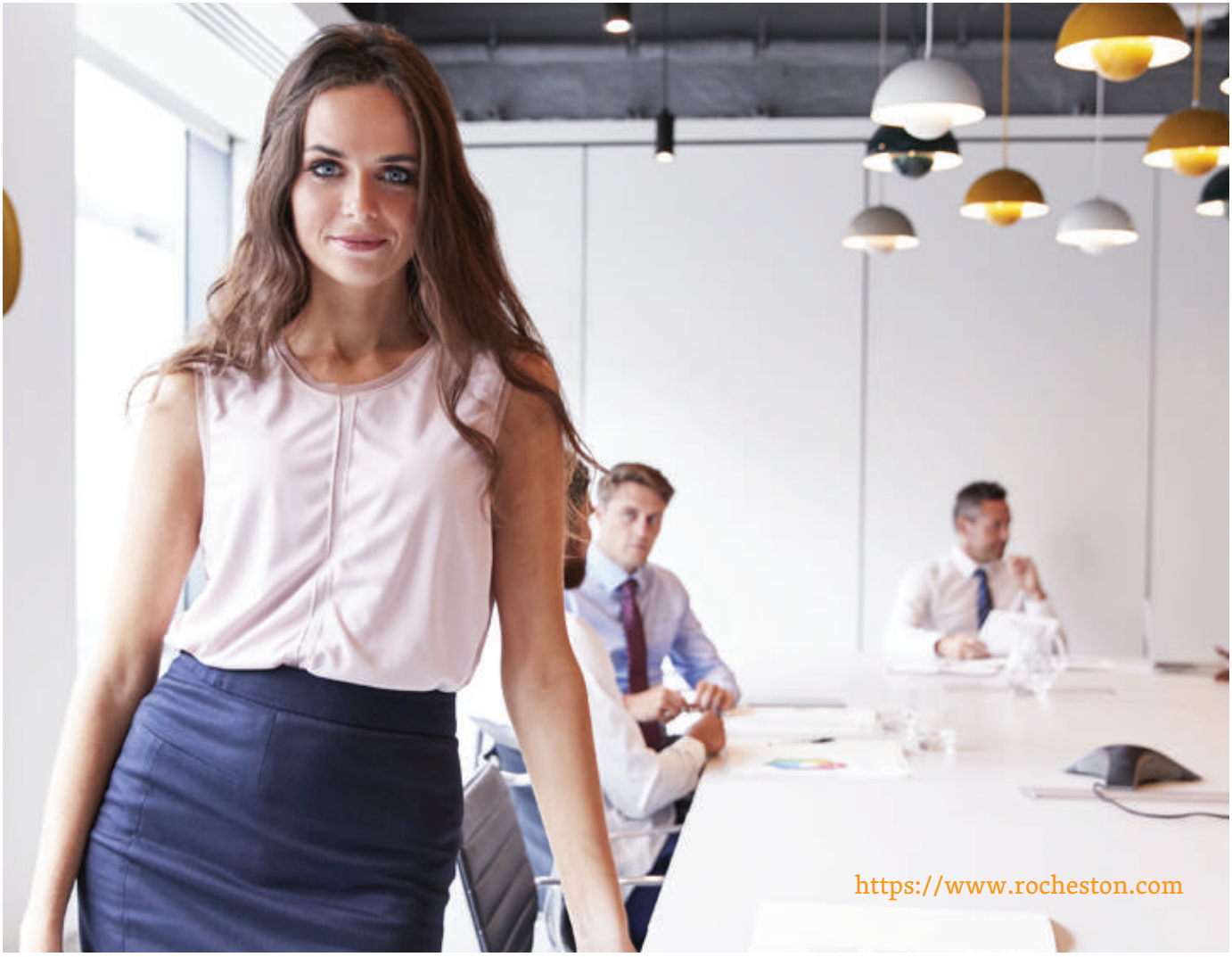
**Module 27:**Incident Response

**Module 28:**Artificial Intelligence in Cybersecurity

**Module 29:**Cyberthreat Intelligence

**Module 30:**Scripting Languages






ROCHESTON

https://www.facebook.com/Rocheston/

https://www.linkedin.com/company/rocheston-accreditation-institute/

https://twitter.com/rocheston