EXTREME HACKING® NᴇXTGEN™

The Rules of Engagement Have Changed. Resecure Everything.™

Level 1

ROCHESTON® CERTIFIED CYBERSECURITY ENGINEER

Certified by Rocheston®

RCCE® Certification Program Guide

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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.

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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.

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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

Eligibility

A Bachelor's degree with one year of professional experience or credential in computer science, engineering, mathematics, or other information technology related fields. You will need basic hacking, networking, system administration, and Linux skills.

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.
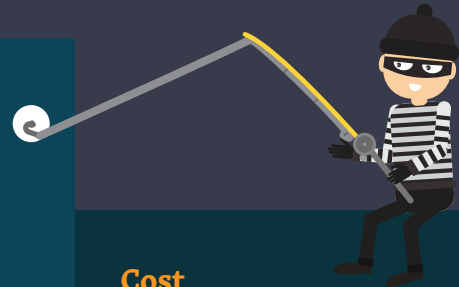
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RCCE® Exam

- 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.

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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

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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.

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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.

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- Maintain private servers - a sure-fire way of having completely encrypted communication.
- Test business infrastructure, and the state of the server if the web connection is terminated.
- Protect yourself from remote exploits by testing for vulnerabilities within your existing devices and infrastructure.

```
node_modules

public
    JS bundle.js

src
    js
        components
            JS App.js
            JS QuestionDetail.js
            JS QuestionItem.js
            JS QuestionList.js
        JS client.js
    .babelrc
    .gitignore
JS app.js
index.html
package.json
JS webpack.config.js
```

```
41      fetch( ${API_URL}
42          .then(functio
43              if (respo
44                  throw
45              }
46              return re
47          })
48          .then(data =>
49              this.set
50                  ques
51                  isLo
52              });
53          });
54      }
55
56      componentWillReceive
57          console.log(next
58      }
59
60      shouldComponentUpdat
61          console.log('Sho
62          if (
63              (
64                  nextStat
65                  && next
66                  && next
67              ) ||
68              (
69                  nextStat
70                  && this
```

Course Outline

RCCE® Level 1

Module 1: Cybersecurity Threats, Attacks and Defenses

Module 2: Reconnaissance/Cloud Technologies

Module 3: Cyber Vulnerabilities

Module 4: Web Application Attacks

Module 5: Webshells, 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: Cloud Firewalls and IDS

Module 11: Hacking Frameworks

Module 12: Cryptography

Module 13: Phishing Attacks

Module 14: Malware Analysis

Module 15: Hacking Smart Objects

Module 16: Hacking Power Grids

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*My name is Jessica Jones and
I am a RCCE and proud to be a
'Rocheston Certified Cybersecurity Engineer'.*

*My Cybersecurity skills are out of this world,
unmatched. Thanks Rocheston.*

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New, Modern, and Cutting-Edge

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https://www.rocheston.com

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