

ROCHESTON CERTIFIED CYBERSECURITY ENGINEER (RCCE)

CANDIDATE HANDBOOK

ISSUED: 2020



Revision History



Today is **YOUR** day

Sl. No	Date of Revision	Description	Revised By	Approved By
1	Nov 2020	Draft version of RCCE Candidate Handbook		



Objective of RCCE Candidate Handbook

The objective of this RCCE Candidate Handbook is to provide the exam candidates with all the necessary information to become certified and guarantee the candidates that the Department of Certification will ensure the following:

- I. Maintain fair and equitable certification and assessment.
- II. Ensure impartiality and objectivity is maintained in all matters regarding certification.
- III. Treat all persons involved in the certification process, in a fair and equitable manner.
- IV. Help in decision-making regarding granting, maintaining, renewing, or changing the scope of RCCE certification.
- V. Explain limitations and restrictions (if any) of certifications.

The Department of Certification complies with all applicable laws and regulations



About **Rocheston's Department of Certification**

Rocheston's Department of Certification is known for offering very high-quality examinations and certification. The Certifications are designed to ensure individuals have the knowledge and skills to successfully deal with the current dynamic global business landscape. Rocheston's Certification programs are designed to foster innovation, create excellence and maintain standards. The certification examinations are designed to assess competence based on, and consistent with, the scheme, by written, oral, practical, observational or other reliable and objective means.



**For more information about the Department of Certification,
please visit our website.**

<https://www.rocheston.com/training/extremehacking/>

ROCHESTON®



What is **RCCE** Certification?

The Rochester Certified Cybersecurity Engineer (RCCE) is the flagship certification program offered by the Department of Certification. The RCCE certification exam tests the candidates on the most advanced cutting-edge hacking and intrusion techniques.

The scope of the **RCCE Certification scheme is to introduce, educate and demonstrate hacking techniques and tools for cybersecurity testing purposes only.** In lieu of this,

all certification candidates pledge to fully support the Code of Ethics. Certified candidates who deliberately or intentionally violate any provision of the Code will be subject to action by a review panel, which can result in the revocation of the certification.

To this end, the candidate will not exploit the thus acquired skills for illegal or malicious attacks and will not use such tools in an attempt to illegally compromise any computer system.



The candidate must agree to comply with all applicable local, state, national and international laws and regulations in this regard. The RCCE certification scheme focuses on securing the information technology assets of an organization including protection of the information networks, computer systems, programs and data (structured and unstructured) from unauthorized access and malicious threats.

The certification scope will be analysed every 2 years and evaluation will be made to decide on the change if any in the scope of certification.





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Testimonials

Those **who are certified by Rocheston, acknowledge that such certification is a mark of distinction that must be both earned and respected.** Look up our website for the wonderful testimonials posted by our esteemed RCCE certified professionals.



Another one bites the dust. Truly I must say that this is one of the most 'cutting-edge' programs I have ever attended. The online RCCE Cyberconnect class was awesome with great hands-on, tons of tools built into Rocheston Rose. I love the Rose OS with the slick and beautiful interface. 1TB hacking tools? OMG. Sitting for the exam in online proctored Ramsys was also easily facilitated and ran without any issues. Tough but good exam. I encourage all those who want to get the latest in security technology to go for the program to enhance your cybersecurity knowledge. Keep up the good work!!! Always ensure your program is kept up to date and remains current. Hands down, RCCE® is the best cybersecurity certification out there. Thanks, Haja for creating this awesome program

Mr. Harshad Rai (RCCE Certified)





I can confidently say that the RCCE class is one of the most impressive classes I have ever taken. Honestly, I was really lack of Cybersecurity itself, however, Rocheston just made a considerable contribution to me in terms of understanding almost everything in Cyberworld. The content and labs of the course are just fabulous which I acquired flawless experience. I am immensely thankful that there are some important people in my achievement who played a crucial role in terms of their better teaching capabilities, giving motivation @haja, Dr. Vinesha Selvarajah, Kalai Anand Ratnam, (Ph.D, MCT, MCE). It was not so easy for me as I am a newcomer to this field, luckily I am completely satisfied with the course and my hard work really paid off. It is not the end but the beginning of the journey. I would like to thank you Dr. Kalai and Mr. Haja that with the aid of your remarkable course, I have gained extensive knowledge and valuable experience and do believe that Rocheston will always be an exceptional source which leads me to greater accomplishments.

Giyosiddin (RCCE Certified)





Handwritten notes on a document held by the man in the purple shirt:

- 1. Market Research
- 2. Customer Segmentation
- 3. Product Development
- 4. Marketing Strategy
- 5. Sales Channels
- 6. Distribution Network
- 7. Financial Projections
- 8. Risk Assessment
- 9. Implementation Timeline
- 10. Key Performance Indicators

Handwritten notes on a document held by the woman in the light blue shirt, including a hand-drawn diagram:

- 1. Market Research
- 2. Customer Segmentation
- 3. Product Development
- 4. Marketing Strategy
- 5. Sales Channels
- 6. Distribution Network
- 7. Financial Projections
- 8. Risk Assessment
- 9. Implementation Timeline
- 10. Key Performance Indicators

The diagram shows a central node labeled 'Product Development' with arrows pointing to 'Marketing Strategy' and 'Sales Channels'. 'Marketing Strategy' points to 'Distribution Network', which points to 'Sales Channels'. 'Sales Channels' points to 'Financial Projections'. 'Financial Projections' points to 'Risk Assessment', which points to 'Implementation Timeline'. 'Implementation Timeline' points to 'Key Performance Indicators'.

How to earn **the RCCE certification?**

Candidates will be granted the RCCE certification by passing an online proctored RCCE exam.

Get more information about the examination from the Rochester's Department of Certification website.

The candidate will be tested in the following domains of cybersecurity:

- Hacking technologies
- Web application attacks
- Trojans and Malware
- Denial of Service attacks
- Metasploit
- Cryptography
- Security
- Tools/Systems/Programs
- Regulation/Policy



To Know:

- **Exam Duration:** 1 hour 20 minutes
- Total of **90 multiple choice questions.**
- The exam **pass percentage required is 72%.**
- To retake the exam, the candidate can contact the exam coordinator and pay an additional fee.
- 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 RCCE 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 the certified RCCEs to interact.**
- The certification is **valid for two years and it can be renewed online.**



The candidate should NOT attempt the exam unless he/she has read, understood and accepted the Terms & Conditions in full.

Eligibility Requirements

The Department of Certification mandates either one of the following criteria to be fulfilled so that a determination can be made regarding a candidate's eligibility:

- a) A candidate has completed "RCCE" training directly through Rochester certified trainers or through an authorized training partner (ATP).
- b) A candidate may be granted permission to attempt the exam without "Official" training if:
 - 1. The Candidate has a proven one year (minimum) of cybersecurity related work experience or has technical know-how of the cybersecurity concepts.
 - 2. The candidate remits a non-refundable Eligibility Application Fee of \$100 (USD).



Exam Registration Steps

Step 1: Contact Rocheston's Department of Certification of an ATP.

Step 2: Attach a copy of your resume, and a scanned copy of an identification document, such as Employee Card of your current or previous employment, which does not carry any Personally Identifiable Information. Avoid submitting your passport, driver's license, government ID or any other identification document that carries Personally Identifiable Information.

Step 3: Scan the documents and e-mail them to info@rocheston.com

Step 4: Remit prescribed payment for Non-refundable Eligibility Application Fee

Step 5: The Department of Certification or ATP will verify the information submitted in the application.

Step 6: If the application is approved, a confirmation email for taking up the RCCE exam, including the link for the exam will be sent to the candidates.





Confidentiality of Information

All documents filed with the Department of Certification by applicants in the exam registration process (initial or continuous improvement reviews) are considered the property of the applicants filing the information. The Department of Certification will not release any of these documents without the written permission of the applicants or as may be required by the law. In addition, the Department of Certification staff or volunteers cannot modify any document submitted by the applicants that is involved in the certification review process. In some cases, the certification reports submitted by applicants are used in Department of Certification seminars or sessions.

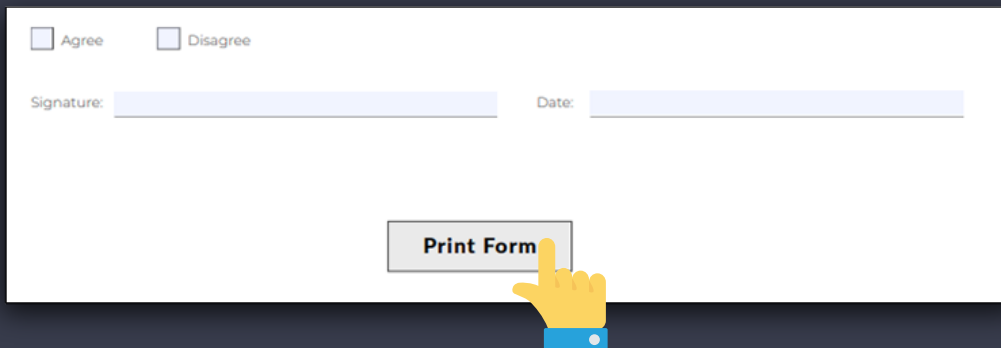
In response to enquiries from the public, the Department of Certification will disclose only whether a member is accredited or not accredited. Information regarding a member's progress in the initial process or issues of concern for an accredited member on review is not made public by the Department of Certification. Accredited (professionals or organizations) are encouraged to make their accreditation known to the public.

Statement of Compliance

The objective of the **Department of Certification is to introduce, educate and demonstrate hacking techniques and tools for legal security testing purposes only.** Those who are certified by the Department of Certification, acknowledge that such certification is a mark of distinction that must be both earned and respected. In lieu of this, all certification candidates pledge to fully support the Code of Ethics. Certified professionals who deliberately or intentionally violate any provision of the Code will be subject to action by a review panel, which can result in the revocation of the certification. To this end, you will not exploit the thus acquired skills for illegal or malicious attacks and you will not use such tools in an attempt to illegally compromise any computer system. Additionally, you agree to indemnify the Department of Certification and its partners with respect to the use or misuse of these tools, regardless of intent. **You agree to comply with all applicable local, state, national and international laws and regulations in this regard.**

I certify that I meet the experience and requirements to apply to become RCCE certified. The information contained in this application is true and correct to the best of my knowledge. **I understand that if I engage in any inappropriate, unethical, or illegal behaviour or activity, my certification status can be terminated immediately.**

By submitting this form to the Rocheston Department of Certification, you agree to indemnify and hold Rocheston Department of Certification, its corporate affiliates, and their respective officers, directors and shareholders harmless from and against any and all liabilities arising from your submission of Personally Identifiable Information (such as passport, government ID, social security number etc) to Rocheston Department of Certification. Should Rocheston Department of Certification receive any Personally Identifiable Information attached to this application, this application will be rejected.



The image shows a white rectangular form on a dark blue background. At the top left, there are two checkboxes: one labeled 'Agree' and one labeled 'Disagree', both of which are currently unchecked. Below these, there are two text input fields: 'Signature:' followed by a long empty text box, and 'Date:' followed by a shorter empty text box. At the bottom center of the form is a grey rectangular button with the text 'Print Form' in black. A yellow hand icon with a blue sleeve is pointing at the 'Print Form' button.

By clicking Agree and typing your name in the signature slot, **you agree to comply with the statement of compliance. If you choose to print and fax in your application, please sign with your original signature to secure your compliance.**



Exam Retake Policy

If a candidate is not able to pass the exam on the first attempt, no cooling or waiting period is required to attempt a retake of the exam. The candidate may retake the exam any time on payment of an additional fee. For further details contact the exam coordinator.

The Department of Certification reserves the right to revoke the certification status of candidates who attempt the exam without abiding to Department of Certification Exam Retake Policy as stated above.





Violation of **Examination Policies**

If a candidate violates any testing rule, exam policy, or term within the exam agreement (NDA), or engages in any misconduct that diminishes the security and integrity of RCCE certification in any way, the candidate may be permanently prohibited from taking any of our future Certification exams. In addition, the candidate may be decertified and test scores may be revoked.



Certification Exam Policy

The Department of Certification is committed to ensuring that the RCCE certification exams are respected and valued across the globe. Our certification exams are delivered on a completely online proctored platform called Ramsys.

The Department of Certification takes appropriate measures to ensure that the integrity of its exams is not compromised and also holds Rocheston's ATPs' accountable for taking appropriate steps to prevent and detect fraud and exam security breaches. The candidates are bound by the NDA wherein they undertake the commitment to not release confidential examination materials or participate in any fraudulent test-taking practices. Our certified trainers are excluded from the tasks of the invigilators or proctors for the certification examination. Our certified trainers will not be present during the test-taking.



Prevention and early detection are critical elements that require the close cooperation of ATPs' Centres. The Exam Committee under the guidance of the Department of Certification, shall conduct periodic data forensics to identify patterns of deviance in exam results that help detect cheating or content piracy. Forensic indicators such as types of responses, latency, pass rates and retakes could help in revealing patterns of cheating, collusion or piracy. Administrators and proctors who observe violations of rules or suspect a testing security breach must immediately contact and inform the authorities. All relevant facts supporting the alleged breach shall be documented including the date, time and location of the incident, name of Candidate, name and version of exam taken.





Rocheston Continuing Education (RCE) Policy

The **RCCE Certification is valid for 2 years after which it can be renewed for each period by successfully earning the Rocheston Continued Education (RCE) credits/points.** Certified members will have to achieve a total of 120 credits (per certification) within a period of two years. All certification related correspondence will be sent to the email address provided during the exam registration. If there is a change in your email address, please notify the Department of Certification by sending a mail to forms.doc@rocheston.com, failing which you will be unable to receive critical updates related to the certification.

Your RCCE Certification is valid for 2 years. To renew your credential for another 2-year period you need to update your RCE credit account in the Department of Certification portal and submit proof of your earned credits. To maintain your certification, you must earn a total of 120 credits within 2 years of the RCE period. The credits can be earned in many ways including attending conferences, writing research papers, preparing for training classes in a related domain (for instructors), reading material on related subject matters, taking a re-exam of a newer version of the certification, attending webinars, and many others. If you fail to meet the certification maintenance requirements within the time frame, **your certification will be suspended for a period of 1 year unless you earn the required 120 ECE credits to maintain/renew your certification. If you fail to meet certification maintenance requirements during the suspension period your certification will be revoked.** You will need to take and pass the certification exam again to earn the certification.

Recertification

Once a candidate becomes RCCE certified, the relationship between the Department of Certification and candidate will always be governed by the Candidate Certification Agreement which the candidate must agree to prior to receiving the certification. This agreement is also provided if a certified member earned the certification that is included under the **RCE scheme, he/she will have to achieve a total of 120 credits (per certification) within a period of two years. The credits can be earned in many ways including attending conferences, writing research papers, preparing for training classes in a related domain (for instructors)**, reading materials on related subject matters, taking an exam of a newer version of the certification, attending webinars, and many others.



Upon completion of the 2-year RCE and meeting the requirements, the candidate's certification validity will be extended for another two years from the month of expiry.

NOTE: No fee is charged for the recertification

Suspension

If the certified member fails to meet certification requirements within the 2-year period, the Department of Certification will suspend his/her certification. Suspended members will not be allowed to use the certification logos and related Certification membership benefits. Suspended members must remediate their suspension within a maximum period of 12 months from the date of the expiry of the 2-year time frame. Failing which, the member's certification and status will be revoked and the member will need to challenge and pass the certification exam again to achieve certification. Suspended members that subsequently meet the **120 RCE credit requirements within the specified 12 months deadline from the date of the expiry of the 2-year time frame will be reinstated as a member in good standing and can enjoy the use of their certification logo and related Certification benefits.**





Revocation

If a member fails to meet certification requirements during the suspension period, he/she will have the certification revoked and will no longer be allowed to continue usage of the certification logo and related benefits. Members whose certification is revoked will be required to retake and pass the respective new exam to regain their certification.





Appeals

Members whose certification has been suspended or revoked due to non-compliance of certification requirements may send in an appeal in writing to forms.doc@rocheston.com. This appeal letter must be received by **the Department of Certification within ninety (90) days of the suspension/ revocation notice, providing details of the appeal and reason(s) for non-compliance.**





Code of **Ethics**

The Department of Certification mandates all stakeholders to abide by the Code of Ethics documented as part of the Candidate Certification Agreement and shall:

- Support the implementation of and encourage compliance with appropriate standards, procedures, and controls for information systems.
- Perform their duties with objectivity, due diligence, and professional care, in accordance with professional standards and best practices.
- Serve in the interest of stakeholders in a lawful and honest manner, while maintaining high standards of conduct and character, and not engage in acts discreditable to the profession.
- Maintain the privacy and confidentiality of information obtained in the course of their duties unless disclosure is required by legal authority. Such information shall not be used for personal benefit or released to inappropriate parties.



- Maintain competency in their respective fields and agree to undertake only those activities that they can reasonably expect to complete with professional competence.
- Inform appropriate parties of the results of work performed, revealing all significant facts known to them.
- Support the professional education of stakeholders in enhancing their understanding of information systems security and control.
- Not to associate with malicious hackers nor engage in any malicious activities.
- Not to make inappropriate reference to the certification or misleading use of certificates, marks or logos in publications, catalogues, documents or speeches.
- Not to be in violation of any law of the land or have any previous conviction.



Code of Ethics



Ethics Violation

The Department of Certification's commitment towards ethics binds all of its services, people and operations together. The Department of Certification mandates and stipulates all of its certified professionals, registered candidates, and prospective candidates to conduct themselves with the law and ethical practices that would reflect positively on clients, industries, and the society at large.

The Department of Certification's Code of Ethics has the top priority among the mandatory standards and is a requisite. The Department of Certification has an objective and fair process of evaluating cases of ethics violation. Any person/s may report violation of the mandatory Code of Ethics by filling the Ethics Report form, describing clearly the facts and circumstance of the violation, and obtaining the confirmation of two verifiers who confirm that the report is true and correct.



The Department of Certification has the authority to temporarily suspend a member who is suspected of violating the Department of Certification's Code of Ethics while the case is being brought before the Scheme Committee for their review and resolution. The Committee will rule in light of substantial and sufficient evidence of ethics violation. Possible resolutions or penalties may include decertification, reprimand, warning, suspension of certification, publication of infraction and/or penalty, and lastly any possible litigation. The Department of Certification will be formally notified of the Scheme Committee resolution in writing and with full details. The Department of Certification will notify the member/s, persons or parties concerned by email or registered mail of the Scheme Committee resolution. The Committee resolution is considered as final.





Appendix

Refer to the following Policy & Procedure documents:

- I. Impartiality policy
- II. Information Release policy
- III. Appeals policy
- IV. Certification Exam Policies and Procedures
- V. Candidate Certification Agreement
- VI. Ethics Violation Report Form





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