

**PROGRAM OVERVIEW**  
FOR ACADEMIC YEAR 2023-2024

**Certificate of Graduate Study (COGS) in  
Cyber Security Architecture  
face-to-face format**

**Program at a Glance**

- **Program Code:** COG-CYBARC/ **Major Code:** G153
- This program consists of **4 courses** and **12 graduate semester hours (SH)**.
- The program is available **part-time**.
- Depending upon module of entry, it is possible to complete the program in **3** consecutive semesters.
- The program is offered in a **face-to-face** format at Rowan’s Glassboro campus.
- **Courses are offered during traditional 15 week semesters.**
- **Graduation/Exit/Thesis Requirements:** None
- **Course descriptions** are available at <http://www.rowan.edu/catalogs/>.
- **Costs** are detailed at [www.global.rowan.edu](http://www.global.rowan.edu).

**Program Features**

- The Certificate of Graduate Study (COGS) in Cyber Security Architecture is designed to offer students the opportunity of a specialized study to provide students with experience in key courses of this discipline at the graduate level.
- As a result of this program, students will understand cryptography, malware attack and defense principles, common network based threats and countermeasures, and cyber forensics.
- Students seeking this COGS will be required to take 1 required course and 3 restricted electives. This COGS is “stackable.” That is, all of the courses count for the MS in Computer Science and some count for the MS in Cyber Security. All courses are 3 semester hours.

**Contact Information**

- For questions about this program or academic matters, please contact the Program Coordinator, Vahid Heydari at [heydari@rowan.edu](mailto:heydari@rowan.edu) or 856-256-4805
- For questions about the application process or the status of your application, please contact the Division of Global Learning & Partnerships at [global.rowan.edu](http://global.rowan.edu).
- If you are already admitted and have questions about matriculation or registration, please contact your academic advisor.

**Minimum Required Grades and Cumulative GPA**

All matriculated post-baccalaureate and graduate students are expected to maintain satisfactory academic progress each term of enrollment. The **COGS in Cyber Security Architecture** is a category 3 program which means in order to maintain satisfactory academic progress and to successfully complete the program students must:

- Earn no more than two total C grades of any combination of “C+” or “C.” (grades of C- are not acceptable.)
- Earn no grades lower than a “C”
- Earn an official cumulative GPA (according to matriculation level) of at least 3.000 on Rowan’s 4.000 scale

For full details regarding satisfactory academic progress and graduation requirements, please visit [www.global.rowan.edu](http://www.global.rowan.edu)

**Program Entry Points & Application Deadlines**

Applications must be complete by the application deadline in order to be considered for admission that term.

<u>Entry Points</u>	<u>Deadlines</u>
Fall	07/01
Spring	11/01
Summer	04/01

This program offers rolling admissions. Visit [www.global.rowan.edu](http://www.global.rowan.edu) for the corresponding start dates for each entry point listed above.

**Admission Requirements**

- Completed Post-baccalaureate/Graduate/Doctoral Application Form ([www.global.rowan.edu](http://www.global.rowan.edu))
- \$65 (U.S.) non-refundable application fee
- Bachelor’s degree (or its equivalent) in Computer Science or related field from an accredited institution of higher learning
- Official transcripts from *all* colleges attended (regardless of number of credits earned)
- Current professional resume
- Typewritten statement of professional objectives (including motivation for applying to program)
- Two letters of Recommendation from professional sources
- Minimum undergraduate cumulative GPA of 3.0 (on a 4.0 scale)
- Submission of official GRE scores highly recommended

# COGS in Cyber Security Architecture

## Summary of the Application Process

1. Review the admission policies and procedures in the application instructions and complete the appropriate application form (available to download at [www.global.rowan.edu](http://www.global.rowan.edu)). Include the proper program code, major code, and entry term on all application materials submitted.
2. Submit the completed application form and all other required application materials as soon as possible—but no later than the application deadline to:

**Rowan University  
Global Learning &  
Partnerships  
Enterprise Center  
225 Rowan Boulevard  
Glassboro, NJ 08028**

Faxed items (856-256-5637) are acceptable for everything *other than* official test scores, official transcripts, and letters of recommendation. Do not send materials to any address or office other than the one listed in this document as this will delay processing.

*Admission policy for prospective students is listed in the application instructions available to download from [www.global.rowan.edu](http://www.global.rowan.edu).*

## Transfer Credit Evaluation Process and Policy

1. The **COGS in Cyber Security Architecture** program allows incoming students to transfer up to 3 credits into the program providing a grade of B or better was earned, the course and credits are deemed equivalent to required course and credits in the sequence, and the course was taken within the past 10 years.
2. Transfer credit at the graduate or post-bac level is only evaluated upon request. Instructions and forms for requesting transfer credit are available from the website at [www.global.rowan.edu](http://www.global.rowan.edu).
  - a. Transfer Credit Evaluation Forms must be submitted to Global Admissions by the same application deadline for your program of interest.
  - b. Evidence supporting the request (official transcripts, syllabi, and course descriptions) must be included with the request form.
  - c. Transfer credit is not fully evaluated or posted until a student is admitted and matriculated.
3. Transfer credit is evaluated by the academic department. Once the transfer credit evaluation process is complete, you will be notified by Global Admissions and any awarded credit will be posted by the Registrar to your account. Students can review awarded transfer credit via Rowan Self Service ([www.rowan.edu/selfservice](http://www.rowan.edu/selfservice)).
4. Any questions about awarded transfer credit should be directed to your academic advisor, whose name and contact information are included in this document.

## Program Requirements

**Foundation Courses:** None

**Graduation/Exit/Thesis Requirements:** None

## Courses \*All courses require permission of instructor to register

Required Course	Course Title	Semester Hours
CS 03551	<b>Advanced Cyber Security: Principles &amp; Applications</b>	<b>3</b>
<b>Elective Courses</b>		
CS 03570	<b>Cyber Defense of Operating Systems and Networks</b>	<b>3</b>
CS 03580	<b>Cloud Computing and the Internet of Things - Architectures and Security</b>	<b>3</b>
CS 07652	<b>Cryptographic Algorithms</b>	<b>3</b>
CS 09510	<b>Computer Networks</b>	<b>3</b>
CS 09612	<b>Network Security</b>	<b>3</b>
ECE 09585	<b>Advanced Engineering Cyber Security</b>	<b>3</b>
		<b>Total Credits: 12</b>

### **Notes about coursework**

1. SH/s.h.: Semester Hours
2. All courses are subject to run based upon meeting enrollment minimums.
3. Courses in **bold** are available to take as a non-matriculated student. To enroll in one of these courses, please complete the Activation & Registration Form (available to download from [www.global.rowan.edu](http://www.global.rowan.edu)), and submit it to Global Admissions.
4. Pre-requisites are accurate as of the date of this document. For the most up to date information on pre-requisites and course restrictions, please refer to the Section Tally listed below.
5. Available courses and the terms and times in which they are offered (as well specific start and end dates and any skipped dates) are listed in Rowan's searchable Section Tally: [http://banner.rowan.edu/reportsreports.pl?task=Section\\_Tally](http://banner.rowan.edu/reportsreports.pl?task=Section_Tally).