**Rowan University** | # Division of Global Learning & Partnerships

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

## Certificate of Graduate Study (COGS) in Software Engineering
## face-to-face format

*Updated 5/18/23*

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## Program at a Glance

- **Program Code: COG- SFTWENG/ Major Code: G129**
- 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 **2** 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.

## Program Features

- The Certificate of Graduate Study (COGS) in Software Engineering 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 gain new skills in the full life cycle of software development
- 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.

## 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 Software Engineering** 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..*

## Program Entry Points & Application Deadlines

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

| Entry Points | Deadlines |
| --- | --- |
| Fall | 07/01 |
| Spring | 11/01 |
| Summer | 04/01 |

*This program offers rolling admissions. Visit 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.)
- ❑ $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 Software Engineering

## 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.). 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:

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

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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..*

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## Transfer Credit Evaluation Process and Policy

1. The **COGS in Software Engineering** 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.
   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).
4. Any questions about awarded transfer credit should be directed to your Academic Advisor.

## Program Requirements

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

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

| Required Course | Course Title | Semester Hours |
|---|---|---|
| CS 04524 | **Agile Software Engineering** | 3 |
| **Elective Courses** | | |
| CS 02530 | **Advanced Database Systems: Theory and Programming** | 3 |
| CS 02630 | **Advanced Topics in Database Systems** | 3 |
| CS 04515 | **Embedded Systems Programming** | 3 |
| CS 04548 | **Programming Languages: Theory, Implementation, and Application** | 3 |
| CS 04563 | **Parallel and Concurrent Programming** | 3 |
| CS 04580 | **Human Centered Computing** | 3 |
| CS 04623 | **Advanced Software Engineering** | 3 |
| CS 04670 | **Advanced Object Oriented Design** | 3 |
| | | **Total Credits: 12** |

**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 an Activation & Registration Form (available to download from 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: https://banner.rowan.edu/auth_reports/reports.pl?task=Section_Tally.