

# Certificate of Undergraduate Study (CUGS) in Mathematics for Middle School Educators

## Academic Program Guide for Certificate of Undergraduate Study (CUGS) in Mathematics for Middle School Educators (5-8)

### Program at a Glance

- Program Code: CUGS-TBD
- Major Code: TBD
- This program consists of 5 courses: 16 undergraduate semester hours (SH).
- These courses are offered face-to-face or online.
- Course descriptions are available at [www.rowan.edu/catalogs](http://www.rowan.edu/catalogs).
- Costs are detailed at [www.rowanu.com/tuition](http://www.rowanu.com/tuition).

### Program Features

- The Certificate of Undergraduate Study (CUGS) Middle School Mathematics Certification (5-8) has been developed within the Mathematics department with the goal of developing educators of Middle School students (5-8), through gaining a solid Mathematics education. In addition to improving job accessibility, this CUGS will also improve performance in the workplace.
- Students will learn about Middle School mathematics, the teaching and learning process as well as the content and pedagogy.
- The endorsement will include a specific focus on the Middle School mathematics education for teacher candidates with specialized knowledge on building mathematical ideas and experiences drawing from connections and relationships with mathematics they learned in elementary school.

For more information regarding the certification process, please visit the College of Education Advising Center:  
[http://www.rowan.edu/colleges/education/Advising\\_Center/certification/index.html](http://www.rowan.edu/colleges/education/Advising_Center/certification/index.html).

### Minimum Grade and Cumulative GPA Requirements

- Open to all undergraduate students from any program at Rowan University.
- All students must be matriculated into a major at Rowan University.
- Students will complete all required program courses with a minimum 3.0 (C-) in all coursework.

For full details regarding satisfactory academic progress and graduation requirements, please visit [www.rowanu.com/policies](http://www.rowanu.com/policies).

### Program Evaluation

- All courses include signature assignments on which performance data will be collected each semester.
- The results will be uploaded to the College assessment system.
- Programmatic changes to enhance learning outcomes will be made annually or more frequently as needed.

### Minimum Grade and Cumulative GPA Requirements

- q Matriculation into an Undergraduate Major ([www.rowanu.com/graduate/apply](http://www.rowanu.com/graduate/apply))
- q Completion of required program courses
- q Minimum 3.0 (C-) in all coursework

### Program Requirements (16 sh)

#### REQUIRED COURSES:

Course #	Course Name	Pre-requisites	Grade	Credits
MATH 01202	Introduction to Geometry		>= C-	3
MATH 01204	Structures of Mathematics II	MATH 01201	>= C-	3
STAT 02260	Statistics I		>= C-	3
				Subtotal: 9 sh

**CHOOSE 1 COURSE FROM 2 OF THE FOLLOWING BANKS:**

Bank	Course #	Course Name	Pre-requisites	Grade	Credits
1	MATH 01115	Contemporary Math		>= C-	3
	STAT 02102	Statistical Literacy		>= C-	3
2	MATH 01124	Reasoning with Functions	MATH 01124 <b>or</b> MATH 01122) See Note #2	>= C-	4
	MATH 01122	Pre-Calculus	See Note #2	>= C-	4
3	MATH 01131	Calculus Techniques & Applications	MATH 01122 <b>or</b> MATH 01124) See Note #2	>= C-	4
	MATH 01130	Calculus I	MATH 01122 <b>or</b> (MATH 01124 <i>and</i> MATH 01125) See Note #2	>= C-	4
4	MATH 01131	Calculus II	MATH 01130 See Note #2	>= C-	4
				Subtotal: 7-8 sh	

### Notes about Coursework

1. SH/s.h.: Semester Hours
2. These courses require that students pass the CLM portion of the Accu-placer test or are exempt with a score equal to or higher than an old (taken prior to March 1, 2016) SAT Math 600, new SAT Math 620, or ACT math 27.
3. All courses are subject to run based upon meeting enrollment minimums.
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: [banner.rowan.edu/reportsreports.pl?task=Section\\_Tally](http://banner.rowan.edu/reportsreports.pl?task=Section_Tally).

**Total Credits Required for CUGS Certification: 16 sh**