

CERTIFICATE OF UNDERGRADUATE STUDY IN GEOTECHNICAL ENGINEERING

The CUGS in Geotechnical Engineering will allow students to take courses specific to Geotechnical Engineering as well as courses that will establish a background in the related field of Geology.

This will allow students to graduate from Rowan University better prepared for a career specifically in geotechnical engineering than they would with just the BS degree, and provide them with an additional credential beyond the BS, yet prior to earning a MS degree.



Geotechnical Engineering CUGS Courses

Complete the Two Courses Listed Below:

CEE 08452	Foundation Design for Seniors	3 Credits
CEE 08453	Earth Retaining Systems for Seniors	3 Credits

Complete the Following Course:

GEOL 01340	Minerals and Petrology	3 Credits
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Complete One Course from the Following List:

GEOL 01201	Sedimentology and Stratigraphy	3 Credits
GEOL 01320	Structural Geology	3 Credits

* Prerequisites for admission to the CUGS are CEE 08351 Geotechnical Engineering and GEOL 01101 Physical Geology. These courses also serve as prerequisites for all of the required or elective course listed above.

Certificate of Undergraduate Study in Geotechnical Engineering

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Prerequisites for admission to the CUGS are CEE 08351 Geotechnical Engineering and GEOL 01101 Physical Geology. These courses also serve as prerequisites for all of the required or elective course listed below.

Students will complete the two classes (6 s.h.) listed below:

	Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
<input type="radio"/>	CEE 08452	Foundation Design for Seniors	Prereq. CEE 08351 Geotechnical Engineering			3
<input type="radio"/>	CEE 08453	Earth Retaining Systems for Seniors	Prereq. CEE 08351 Geotechnical Engineering			3
						Subtotal: 6 sh

Students will complete the following course (3 s.h.):

	Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
<input type="radio"/>	GEOL 01340	Minerals and Petrology	Prereq. GEOL 01101			3
						Subtotal: 3 sh

Students will complete one class (3 s.h) from the following courses:

	Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
<input type="radio"/>	GEOL 01201	Sedimentology and Stratigraphy	Prereq. GEOL 01101			3
<input type="radio"/>	GEOL 01320	Structural Geology	Prereq. GEOL 01101			3
						Subtotal: 3 sh