

Rowan College of South Jersey
ENGINEERING SCIENCE CERTIFICATE OF ACHIEVEMENT
 Certification Requirements

The Certificates of Achievement give students the knowledge and skills needed for employment in their respective fields. They will provide students with a concentration of courses that can be taken in conjunction with those required for the A.S. Engineering Science degree program. If the student decides to continue with the remaining course requirements leading to an associate degree in Engineering Science, the certificate will allow them to take the additional courses needed for transfer and can be used as Program Electives.

Civil Engineering Certificate of Achievement COA-CACE

Civil Engineering		
SPE 101	Oral Communication	3
MAT 202	Linear Algebra	3
ENR 207	Engineering Materials	3
ENR 211	Engineering Statics	3
ENR 212	Mechanics of Materials	3
ENR 213	Dynamics	3
GEO 115	Geographical Information Systems	3
CET 108	Introduction to Surveying	3
DFT 103	CADD I (AutoCAD)	3
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Chemical Engineering Certificate of Achievement COA-CACH

Chemical Engineering		
SPE 101	Oral Communication	3
MAT 202	Linear Algebra	3
BIO 101	General Biology I	4
CHM 201	Organic Chemistry I	4
CHM 202	Organic Chemistry II	4
ENR 102	First Year Engineering Clinic I	2
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Electrical Engineering Certificate of Achievement COA-CAEC

Electrical Engineering		
SPE 101	Oral Communication	3
MAT 202	Linear Algebra	3
CSC 220	Data Structures and Algorithms	4
ENR 108	Digital Electronics for Engineering	3
ENR 218	Principles of Electrical Circuit Analysis	4
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Mechanical Engineering Certificate of Achievement COA-CAMC

Mechanical Engineering		
SPE 101	Oral Communication	3
MAT 202	Linear Algebra	3
ENR 207	Engineering Materials	3
ENR 211	Engineering Statics	3
ENR 212	Mechanics of Materials	3
ENR 213	Dynamics	3
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