

All Bachelor Programs require a minimum of 128 credits and a 2.00 cumulative average.

BS CHEMISTRY		Engineering Concentration		NAMS
Dual Degree Options: Stockton: BS Chemistry; Rowan or Rutgers: BS in Chemical Engineering **This option requires an additional application				
Academic Year 2019-2020			80 Program Credits	
A grade of "C-" or higher must be earned in all CHEM courses.				
MATH 2215 Calculus I	(5)	PHYS 2220/25 Physics I w/lab	(6)	
MATH 2216 Calculus II	(5)	PHYS 2300 Statics (Rutgers BS only) OR PHYS 3200 Mechanics of Materials (Master only)	(4)	
MATH 2217 Calculus III	(5)			
MATH 3328 Differential Equations	(4)	Chemical Engineering courses to be transferred back from Rutgers, Rowan, or NJIT		
CHEM 3310 Lab Methods I	(4)	Enrollment in ENGN 4600 during 4th year and till graduation		
CHEM 3410 Physical Chemistry I OR CHEM 3110 Inorganic Chemistry (Master only)	(4)	Full year of courses at the engineering school	()	
CHEM 3320 Lab Methods II	(4)		()	
ENGN 4600 Engineering Seminar (3rd & 4th yrs)	(0)		()	
PHYS 2410 Problem Solving using MATLAB	(2)		()	
CHEM 2110/15 Chemistry I w/lab	(5)		()	
CHEM 2120/25 Organic Chemistry II w/lab	(5)		()	
CHEM 2130/35 Chemistry III Organic Reactions	(4)		()	
CHEM 2140/45 Chemistry IV Theory & Application	(4)		()	
GENERAL STUDIES REQUIREMENTS:			48 Total Credits	
No more than 12 credits in any "G" category may be applied towards the BS degree.			32 Credits	
FRST 1120 Rhetoric & Composition	(4)	Upper level GSS/GAH (3000 level or higher)	(4)	
GIS-General Integration & Synthesis	(4)	GAH/GSS course (Student must complete 2 GSS and 2 GAH courses)	(4)	
GAH/GSS Freshman Seminar	(4)	Transferred engineering credits	()	
GSS/GAH course	(4)			
AT SOME DISTANCE Electives - Courses unrelated to your major			16 Credits	
GEN 2180 Engineering Graphics & CAD	(4)	ECON 1400 Introduction to Microeconomics	(4)	
CSIS 2101 Programming & Problem Solving I OR C++ Course	(4)	MGMT 3110 Intro to Management	(4)	
			Transferred engineering credits	
GENERAL STUDIES OUTCOME REQUIREMENT: These courses are listed as attributes and should be completed within the 128 credits needed to graduate.				
(A) Arts		(V) Values/Ethics		
(H) Historical Consciousness		(I) International/Multicultural		
GENERAL STUDIES WRITING REQUIREMENT: (4 courses)				
Two W1 courses may be in transfer. W2 courses must be taken at Stockton.				
W1	W1/W2	W1/W2	W1/W2 at 3000 Level	
GENERAL STUDIES QUANTITATIVE REASONING REQUIREMENT: (3 courses)				
Two Q1 courses may be in transfer. Q2 courses must be taken at Stockton.				
Q1	Q2	Q1 or Q2		
Prerequisites must be met, check course description on the web.				

"The student is responsible for insuring that all graduation requirements are met" (Bulletin). Consult with your preceptor and/or the Center for Academic Advising on a regular basis.