

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

BS MATHEMATICS		Engineering Concentration		NAMS
Dual Degree Options: Rutgers: BS in Mechanical, Electrical, Civil, Biomedical and Bioenvironmental Engineering NJIT: BS in Mechanical Engineering Rowan: BS in Electrical, Mechanical, Civil, or Biomedical Engineering				
Academic Year 2019-2020		80 Program Credits		
A grade of "C-" or higher must be earned in all CHEM courses.		Group I Choose ONE course: MATH 4431 Real Analysis; MATH 4432 Complex Analysis; MATH 4441 Abstract Algebra; MATH 4445 Topics in Geometry		(4)
MATH 2215 Calculus I	(5)	Group II Choose ONE course: MATH 4451 Probability & Statistics I; MATH 4452 Probability & Statistics II; MATH 4461 Numerical Analysis; MATH 4471 Computer Algorithms; MATH 4472 Theory of Computation; MATH 4481 Topics in Mathematics (may be in Group I)		(4)
MATH 2216 Calculus II	(5)	Cognate Courses:		
MATH 2217 Calculus III	(5)	PHYS 2300 Statics (all except Rowan Elec. Engrg)		(4)
MATH 2225 Discrete Math (EE and CoE)	(4)	PHYS 3110 Electronics and PHYS 3120 Elec. Circuits for Elec. Engrg		(4)
MATH 3323 Linear Algebra	(4)	PHYS 3220 Mechanics		(4)
MATH 3325 Foundations of MATH	(4)	ENGN 4600 Engineering Seminar (4th yrs and till graduation)		
MATH 3328 Differential Equations	(4)	PHYS 3200 Mechanics of Materials for Mech, Civil, Biomed Engrg		(4)
PHYS 2220/25 Physics I w/lab	(6)	Full year of transferred engineering courses		()
PHYS 2230/35 Physics II w/lab	(6)			
Two 4000 Math courses at Stockton or two upper Level Math or Math-Based engineering courses at the engineering school approved by the Math program coordinator	(6-8)			
PHYS 2410 Problem Solving Using MATLAB	(2)			
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)
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.