

Engineering Science, A.S.				Fall 2024	
Student's Name:			Advisor's Name:		
<i>Student may need to take the following courses:</i>	<input type="checkbox"/> ENGL049 - Accelerated Reading and Writing Skills for ENGL100 OR	<input type="checkbox"/> MATH 090 - Pre-Algebra			
	<input type="checkbox"/> ENGL098 - Accelerated Writing Skills for ENGL100	<input type="checkbox"/> MATH 095 - Beginning Algebra			
	<input type="checkbox"/> RDNG 116 - College Reading and Study Skills	<input type="checkbox"/> MATH 120 - College Algebra			
<input type="checkbox"/> MATH 138- Pre-calculus Mathematics					
Course Requirement	Course Title	Credits	Min. Grade	Grade Earned T - Transfer	Semester Completed
FIRST YEAR					
FALL					
CHEM 107	General Chemistry I	4			
ECON 120	Principles of Microeconomics	3			
ENGL 100	Academic Writing I ¹	3	C		
ENSC 137	Introduction to Engineering	3			
MATH 201	Calculus I ²	4	C		
Total Credits		17			
SPRING					
CAPS191	Introduction to MATLAB	1			
ENGL 101	Academic Writing II	3			
MATH 202	Calculus II	4	C		
PHSC 211	Physics I (Mechanics & Heat)	4			
Restricted Elective Second Semester ³		4			
Total Credits		16			
SECOND YEAR					
FALL					
CSCI 160	Computer Science I	3			
ENGL 102	Approaches to Literature	3			
MATH 203	Calculus III	4	C		
PHSC 212	Physics II (Electricity & Magnetism)	4			
Restricted Elective Third Semester ⁴		4			
Total Credits		18			
SPRING					
ENGL201 OR ENGL204 OR ENGL210	Public Speaking OR Interpersonal Communication OR Intercultural Communication	3			
MATH 206	Differential Equations	4			
Restricted Elective Fourth Semester ⁵		4			
Restricted Elective Fourth Semester ⁵		3 or 4			
Total Credits		14 or 15			
Minimum Credits Required for Graduation: 65 or 66 A cumulative GPA of at least 2.0 is required for conferral of degree.					
¹ A student exempted from ENGL 100 must substitute a three credit liberal arts elective. The course should be selected in consultation with the student's advisor. ENGL103 is recommended.					
² Students who are not able to take MATH 201 in the first semester will need two extra semesters to complete this program.					
³ Restricted Elective Second Semester: Select from: CHEM108 (ChemE), MATH208 (Civil, MechE, EE)					
⁴ Restricted Elective Third Semester: Select from: CHEM205 (ChemE), ENSC209 (Civil, Mech), ELEC224 (EE)					
⁵ Restricted Elective Fourth Semester: Select a pair from: (ChemE: CHEM206, ENSC203, BIOL220/221), (Civil, MechE: ENSC204, ENSC212), (EE: ENSC203, ELEC223)					
A waiver of the minimum number of SUNY GEN ED categories (7) has been approved by SUNY. Students in the Engineering Science program will only meet 5 categories, but will meet the minimum of 30 credits of SUNY GEN ED coursework.					
NOTES:					