

Engineering Science, A.S.			Fall 2023		
Student's Name:			Advisor's Name:		
Student may need to take the following courses:	<input type="checkbox"/> ENGL098 - Accelerated Writing Skills for ENGL100 <input type="checkbox"/> RDNG 116 - College Reading and Study Skills		<input type="checkbox"/> MATH 020 - Skills & Support for College Algebra <input type="checkbox"/> MATH 120 - College Algebra <input type="checkbox"/> MATH 138 - Precalculus		
	Course Requirement	Course Title	Credits	Min. Grade	Grade Earned T - Transfer
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	1			
MATH 201	Calculus I ²	4	C		
Total Credits		15			
SPRING					
ENGL 101	Academic Writing II	3			
ENGL 201 OR ENGL 204 OR ENGL 210	Public Speaking OR Interpersonal Communication OR Intercultural Communication	3			
MATH 202	Calculus II	4	C		
PHSC 211	Physics I (Mechanics & Heat)	4			
Restricted Elective ³		2			
Total Credits		16			
SECOND YEAR					
FALL					
ENGL 102	Approaches to Literature	3			
ENSC 204	Mechanics of Materials ⁴	3			
ENSC 209	Engineering Mechanics: Statics	3			
MATH 203	Calculus III	4	C		
PHSC 212	Physics II (Electricity & Magnetism)	4			
Total Credits		17			
SPRING					
CSCI 160	Computer Science I	3			
ENSC 203	Electrical Science ³	4			
ENSC 212	Dynamics ³	3			
MATH 206	Differential Equations	4			
PHSC 213	Physics III (Waves, Optics, & Modern Physics)	4			
Total Credits		18			
Minimum Credits Required for Graduation: 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. ENGL103 is strongly recommended. The course should be selected in consultation with the student's advisor.					
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: Select from: CHEM 108, CONT 202, CSCI 165, DRAF 107, GEOL 101, OR MATH 200. If selected, fall only electives can be taken in the third semester, and Computer Science I should be selected in the second semester.					
⁴ With the consent of their advisor, a student who is interested in Chemical Engineering may replace two of these four courses: {ENSC 203, 204, 212, and the Restricted Elective} with CHEM 205 & CHEM 206, Organic Chemistry I & II. A student interested in Bioengineering may substitute BIOL 104 & BIOL 105, General Biology I & II.					
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 6 categories, but will meet the minimum of 30 credits of SUNY GEN ED coursework.					