

# Computer Science, A.S. – Engineering

Fall 2021

Student's Name:

Advisor's Name:

**Student may need to take the following courses:**

- ENGL049 – Accelerated Reading and Writing Skills for ENGL100 **OR**
- ENGL098 – Accelerated Writing Skills for ENGL100
- RDNG 116 - College Reading and Study Skills

- MATH 090 - Pre-Algebra
- MATH 095 - Beginning Algebra
- MATH 120 - College Algebra
- MATH 138 - Pre-Calculus Mathematics

Course Requirement	Course Title	Credits	Min. Grade	Grade Earned T - Transfer	Semester Completed
<b>FIRST YEAR</b>					
<b>FALL</b>					
CAPS 131	Introduction to Databases	1			
CSCI 160 <b>OR</b> CIS 108	Computer Science I <b>OR</b> Introduction to Computer Info Systems	3			
ENGL 100	Academic Writing I*	3	C		
MATH 200	Statistics	3			
MATH 201	Calculus I	4	C		
<b>Total Credits</b>		<b>14</b>			
<b>SPRING</b>					
CSCI 165	Computer Science II	3			
ENGL 101	Academic Writing II	3			
MATH 216	Discrete Mathematics	4			
MATH 202	Calculus II	4	C		
PHSC 211	Physics I (Mechanics and Heat)	4			
<b>Total Credits</b>		<b>18</b>			
<b>SECOND YEAR</b>					
<b>FALL</b>					
CIS 220	Database Concepts	3			
CSCI 205	Computer Science III - Data Structures	3			
ENGL 102	Approaches to Literature	3			
MATH 203	Calculus III	4			
PHSC 212	Physics II (Electricity & Magnetism)	4			
<b>Total Credits</b>		<b>17</b>			
<b>SPRING</b>					
CSCI 210	Computer Architecture & Organization	3			
ENGL 201 <b>OR</b> ENGL 204	Public Speaking <b>OR</b> Interpersonal Communication	3			
SUNY GEN ED Restricted Elective**		3			
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SUNY GEN ED Social Sciences Elective		3			
<b>Total Credits</b>		<b>15</b>			
<b>Minimum Credits Required for Graduation: 64 A cumulative GPA of at least 2.0 is required for conferral of degree.</b>					
* A student exempted from ENGL 100 should substitute MATH 206 Differential Equations. (A "C" or better grade in MATH 203, or a "B" or better grade in MATH 202 is a prerequisite for MATH 206.)					
** Select from approved courses for two of the following SUNY GEN ED areas: 4-American History, 5-Western Civilization, 6-Other World Civilizations, 8-The Arts, or 9-Foreign Language.					
A "C" or better grade is required in ENGL 100, MATH 201, and MATH 202.					
<b>NOTES:</b>					