

# Computer Science, A.S. – Engineering

Fall 2023

Student's Name:

Advisor's Name:

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

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

- MATH 120 - College Algebra
- MATH 020 – Skills & Support for College Algebra
- MATH 138 - Precalculus

Course Requirement	Course Title	Credits	Min. Grade	Grade Earned T - Transfer	Semester Completed
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**FIRST YEAR**

**FALL**

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 <sup>1</sup>	3	C		
MATH 200	Statistics	3			
MATH 201	Calculus I	4	C		
<b>Total Credits</b>		<b>14</b>			

**SPRING**

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>			

**SECOND YEAR**

**FALL**

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>			

**SPRING**

CSCI 210	Computer Architecture & Organization	3			
ENGL 201 <b>OR</b> ENGL 204 <b>OR</b> ENGL 210	Public Speaking <b>OR</b> Interpersonal Communication <b>OR</b> Intercultural Communication	3			
SUNY GEN ED Restricted Elective <sup>2</sup>		3			
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SUNY GEN ED Social Sciences Elective		3			
<b>Total Credits</b>		<b>15</b>			

**Minimum Credits Required for Graduation: 64 A cumulative GPA of at least 2.0 is required for conferral of degree.**

<sup>1</sup> A student exempted from ENGL 100 must substitute a three-credit unrestricted elective. MATH 206 is strongly recommended. (A "C" or better grade in MATH 203, or a "B" or better grade in MATH 202 is a prerequisite for MATH 206.)

<sup>2</sup> Select from approved courses for two of the following SUNY GEN ED areas: U.S. History & Civic Engagement, World History & Global Awareness, The Arts, or World Languages.

A "C" or better grade is required in ENGL 100, MATH 201, and MATH 202.