

Computer Science, A.S. – Engineering

Fall 2024

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 OR CIS 108	Computer Science I OR Introduction to Computer Info Systems	3			
ENGL 100	Academic Writing I ¹	3	C		
MATH 200	Statistics	3			
MATH 201	Calculus I	4	C		
Total Credits		14			

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			
Total Credits		18			

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			
Total Credits		17			

SPRING

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

Minimum Credits Required for Graduation: 64 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 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.)

² 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.

Computer Science, A.S.			Fall 2024		
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 120 - College Algebra <input type="checkbox"/> MATH 020 - Skills & Support for College Algebra			
Course Requirement	Course Title	Credits	Min. Grade	Grade Earned T - Transfer	Semester Completed
FIRST YEAR					
FALL					
CAPS 131	Introduction to Databases	1			
CAPS 152	Web Page Design	1			
CSCI 160 OR CIS 108	Computer Science I OR Introduction to Computer Information Systems	3			
ENGL 100	Academic Writing I ¹	3	C		
MATH 138	Precalculus ²	4	C		
MATH 200	Statistics	3			
Total Credits		15			
SPRING					
CSCI 165	Computer Science II	3			
ENGL 101	Academic Writing II	3			
MATH 216	Discrete Mathematics	4			
SUNY GEN ED Restricted Elective ³		3			
SUNY GEN ED Social Sciences Elective		3			
Total Credits		16			
SECOND YEAR					
FALL					
CIS 220	Database Concepts	3			
CSCI 205	Computer Science III - Data Structures	3			
ENGL 102	Approaches to Literature	3			
MATH 201	Calculus I	4	C		
SUNY GEN ED Lab Science Elective		3			
Total Credits		16			
SPRING					
CSCI 210	Computer Architecture and Organization	3			
ENGL 201 OR ENGL 204 OR ENGL 210	Public Speaking OR Interpersonal Communication OR Intercultural Communication	3			
MATH 202	Calculus II	4			
Lab Science Elective		3			
SUNY GEN ED Restricted Elective ³		3			
Total Credits		16			
Minimum Credits Required for Graduation: 63 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 unrestricted elective. The course should be selected in consultation with the student's advisor.					
² MATH course placement depends on student background. If exempted from MATH 138, the student must complete another course which should be selected in consultation with his/her advisor.					
³ 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.					
Note: A "C" or better grade is required in ENGL 100, MATH 138, and MATH 201.					
NOTES:					