Stevens Institute of Technology
Castle Point on Hudson
Hoboken, NJ 07030
Department of Electrical and Computer Engineering

Bachelor of Engineering Study Plan - Entering Fall 2024 and later

Name: _____ ID: _____ E-mail: _____ Class: _____

Major: **Computer Engineering**

Instructions Please print or type. The purpose of this study plan is to track your progress to degree completion by outlining the specific courses required for the program and when you expect to take them. Please indicate the term (semester) when you plan to take or have taken each course (e.g., 24F, 25S, 25F, etc.). If a choice of course is given for the requirement, circle the appropriate course number. For electives, fill in the course number. Courses completed via AP/IB or transfer credit should be marked as AP, IB, or TR respectively. Revise this plan as needed. An additional study plan will be required if you wish to pursue a minor or a second degree.

Term	Course	Credits	Grade
	TERM I		
I	CH 115 - General Chemistry I	3.0	_____
I	CH 117 - General Chemistry Laboratory I	1.0	_____
I	ENGR 111 - Intro to Engineering Design & Systems Thinking	4.0	_____
I	ENGR 116 - Intro to Programming & Algorithmic Thinking	3.0	_____
I	HASS 103 - Writing & Communications Colloquium	3.0	_____
I	MA 121 - Differential Calculus	2.0	_____
I	MA 122 - Integral Calculus	2.0	_____
I	PRV 101 - First Year Experience	1.0	_____
	TERM II		
II	ENGR 122 - Field Sustainable Systems with Sensors	2.0	_____
II	HASS 105 - Knowledge, Nature, Culture	3.0	_____
II	MA 125 - Vectors and Matrices	2.0	_____
II	MA 126 - Multivariable Calculus I	2.0	_____
II	MGT 103 - Introduction to Entrepreneurial Thinking	2.0	_____
II	PEP 111 - Mechanics	3.0	_____
II	Science Elective[1]:_____	3.0	_____

Term	Course	Credits	Grade
	TERM III		
III	CPE 360 - Computational Data Structures & Algorithms	3.0	_____
III	ENGR 211 - Statics & Introduction to Engineering Mechanics	4.0	_____
III	ENGR 245 - Circuits & Systems	3.0	_____
III	MA 221 - Differential Equations	4.0	_____
III	PEP 112 - Electricity & Magnetism	3.0	_____
	TERM IV		
IV	CPE 390 - Microprocessor Systems	4.0	_____
IV	ENGR 212 - Design of Dynamical Systems	4.0	_____
IV	ENGR 234 - Thermodynamics	3.0	_____
IV	MA 134 - Discrete Mathematics	3.0	_____
IV	PRV 20X - Frontiers of Technology[5]	1.0	_____
IV	PRV 20X - Frontiers of Technology	1.0	_____
IV	PRV 20X - Frontiers of Technology	1.0	_____

Student Signature: _____ Date:_____ ☐ Original ☐ Revision

Academic Advisor Signature: _____ Date:_____ ☐ 2nd Degree

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Term	Course	Credits	Grade
	TERM V		
V	CPE 359 - Electronic Circuits	3.0	
V	CPE 490 - Information Systems Engineering I	3.0	
V	ENGR 241 - Probability & Statistics w/ Data Science Apps.	4.0	
V	ENGR 311 - Design with Materials	4.0	
V	Humanities[4]:_____	3.0	
	TERM VI		
VI	CPE 322 - Engineering Design VI	2.0	
VI	CPE 345 - Modeling and Simulation	3.0	
VI	CPE 462 - Introduction to Image Processing & Coding	3.0	
VI	IDE 399 - Engineering Economics & Project Management	2.0	
VI	General Elective:_____	3.0	
VI	Technical Elective[2]:_____	3.0	

Term	Course	Credits	Grade
	TERM VII		
VII	CPE 423 - Engineering Design VII	3.0	
VII	CPE 487 - Digital System Design	3.0	
VII	IDE 401 - Senior Innovation-II:Value Proposition	1.0	
VII	General Elective[3]:_____	3.0	
VII	Technical Elective:_____	3.0	
VII	Humanities: _____	3.0	
	TERM VIII		
VIII	CPE 424 - Engineering Design VIII	3.0	
VIII	IDE 402 - Senior Innovation III: Venture Planning & Pitch	1.0	
VIII	General Elective:_____	3.0	
VIII	Technical Elective:_____	3.0	
VIII	Technical Elective:_____	3.0	
VIII	Humanities:_____	3.0	

ADDITIONAL COURSES

____	_____	_____	_____
____	_____	_____	_____
____	_____	_____	_____
____	_____	_____	_____

Notes:

1. Science Elective can be selected from the following list. Laboratory is not required.
   a. CH 116 with or without lab (CH 118), BIO 181 with or without lab (BIO 182), PEP 201 (embedded lab), EN 250, PEP 151, PEP 152, PEP 242, PEP 336, PEP 351, NANO 200, CE 240.
2. Technical Electives can be selected from available courses offered by the EE or CPE programs. Courses listed in the Areas of Concentration are common choices. Additional courses can be selected with the approval of the student's advisor.
3. General Electives can be selected from available courses offered by programs in SES, SSE, SOB and HASS (including EE and CPE courses). Approval from the student's advisor and the course instructor may be required.
4. Humanities: Please see Humanities Requirements for specific requirements.
5. SUCCESS Core Curriculum: Students must complete requirements including PRV 101, and three (3) courses from PRV 201, PRV 202, PRV 203, PRV 204, PRV 205.

Student Signature: _____ Date:_____ ☐ Original ☐ Revision

Academic Advisor Signature: _____ Date:_____ ☐ 2nd Degree