Bachelor of Engineering Study Plan - Entering Fall 2024 and later

Stevens Institute of Technology
Castle Point on Hudson
Hoboken, NJ 07030
Department of Civil, Environmental, and Ocean Engineering

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

Major: **Civil 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 Lab I	1.0	_____
I	PRV 101 - First Year Experience	1.0	_____
I	ENGR 116 - Introduction to Programming	3.0	_____
I	ENGR 111 - Intro to Engr. Design & Sys. Thinking	4.0	_____
I	MA 121 - Differential Calculus	2.0	_____
I	MA 122 - Integral Calculus	2.0	_____
I	HASS 103 - Writing & Communications Colloquium	3.0	_____
	TERM II		
II	BIO 181 - Biology & Biotechnology **OR**	3.0	_____
	CE 240 - Introduction to Geosciences **OR**	3.0	_____
	EN 250 - Quantitative Biology	3.0	_____
II	ENGR 122 - Field Sustainable Systems with Sensors	2.0	_____
II	HASS 105 - Knowledge, Nature, Culture	3.0	_____
II	MA 125 - Vectors & 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	_____

Term	Course	Credits	Grade
	TERM III		
III	CE 381 - Civil Engineering Measurements Lab	3.0	_____
III	ENGR 211 - Statics & Intro. to Engr. Mechanics	4.0	_____
III	ENGR 245 - Circuits and Systems	3.0	_____
III	MA 221 - Differential Equations	4.0	_____
III	PEP 112 - Electricity and Magnetism	3.0	_____
	TERM IV		
IV	CE 261 - Mechanics of Materials	3.0	_____
IV	ENGR 212 - Design of Dynamical Systems	4.0	_____
IV	ENGR 234 - Thermodynamics	3.0	_____
IV	ENGR 311 - Design with Materials	4.0	_____
IV	Humanities[3]:_____	3.0	_____

Student Signature: _____ Date:_____ ☐ Original ☐ Revision

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

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Term	Course	Credits	Grade
	TERM V		
V	CE 342 - Fluid Mechanics	4.0	
V	CE 373 - Structural Analysis	3.0	
V	ENGR 241 - Probability & Stats w/ Data Science Apps	4.0	
V	MA 225 - Infinite Series	2.0	
V	MA 231 - Nonlinear Optimization	2.0	
V	PRV 20X - Frontiers of Technology[4]	1.0	
	TERM VI		
VI	CE 304 - Water Resources Engineering	3.0	
VI	CE 322 - Engineering Design VI	2.0	
VI	CE 365 - Num. Modeling in Civil & Environmental Engr	3.0	
VI	CE 399 - Civil Engineering Project Management	2.0	
VI	CE 483 - Geotechnical Engineering	3.0	
VI	General Elective[2]:_____	3.0	

Term	Course	Credits	Grade
	TERM VII		
VII	CE 423 - Engineering Design VII	3.0	
VII	CE 484 - Reinforced Concrete Design	3.0	
VII	CE 486 - Structural Steel Design	3.0	
VII	IDE 401 - Senior Innovation-II:Value Proposition	1.0	
VII	PRV 20X - Frontiers of Technology	1.0	
VII	Technical Elective[1]:_____	3.0	
VII	Humanities: _____	3.0	
	TERM VIII		
VIII	CE 424 - Engineering Design VIII	3.0	
VIII	CE 508 - Transportation Engineering **OR**	3.0	
	CE 541 - Project Management for Construction	3.0	
VIII	IDE 402 - Senior Innovation III:Venture Plan and Pitch	1.0	
VIII	PRV 20X - Frontiers of Technology	1.0	
VIII	General Elective:_____	3.0	
VIII	Technical Elective:_____	3.0	
VIII	Humanities:_____	3.0	

ADDITIONAL COURSES

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Notes:

1. Technical Electives can be selected from any 500 and 600-level course offered by the Civil, Environmental, Ocean, or Mechanical Engineering Departments. At least one of the Technical Electives should be chosen from CE 508 or CE 541.
2. General Electives can be selected from available courses offered by programs in SES, SSE, SOB and HASS (including CE courses). Approval from the student's advisor and the course instructor may be required.
3. Humanities: Please see Humanities Requirements for specific requirements.
4. 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