

Bachelor of Engineering Study Plan - Entering Fall 2024 and later

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

Major: **Engineering (Concentration in Naval 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	Course	Credits	Grade
TERM I				TERM III			
I	CH 115 - General Chemistry I	3.0	_____	III	ENGR 211 - Statics and Intro. to Engr. Mechanics	4.0	_____
I	CH 117 - General Chemistry Lab I	1.0	_____	III	ENGR 234 - Thermodynamics	3.0	_____
I	ENGR 111 - Intro to Engr. Design & Sys. Thinking	4.0	_____	III	ENGR 245 - Circuits and Systems	3.0	_____
I	ENGR 116 - Introduction to Programming	3.0	_____	III	MA 221 - Differential Equations	4.0	_____
I	HASS 103 - Writing and Communications Colloquium	3.0	_____	III	PEP 112 - Electricity and Magnetism	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				TERM IV			
II	ENGR 122 - Field Sustainable Systems with Sensors	2.0	_____	IV	CE 261 - Mechanics of Materials	3.0	_____
II	HASS 105 - Knowledge, Nature, Culture	3.0	_____	IV	ENGR 212 - Design of Dynamical Systems	4.0	_____
II	MA 125 - Vectors & Matrices	2.0	_____	IV	ENGR 241 - Probability & Stats w/ Data Science Apps	4.0	_____
II	MA 126 - Multivariable Calculus I	2.0	_____	IV	ME 225 - Dynamics	3.0	_____
II	MGT 103 - Introduction to Entrepreneurial Thinking	2.0	_____	IV	NE 224 - Intro. to Ship Design & Ship Building	3.0	_____
II	PEP 111 - Mechanics	3.0	_____				
II	Science Elective ¹ : _____	3.0	_____				

Student Signature: _____ Date: _____ Original _____ Revision _____

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

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Term	Course	Credits	Grade	Term	Course	Credits	Grade
TERM V				TERM VII			
V	CE 342 - Fluid Mechanics	4.0	_____	VII	IDE 401 - Senior Innovation-II: Value Proposition	1.0	_____
V	ENGR 311 - Design with Materials	4.0	_____	VII	NE 423 - Engineering Design VII	3.0	_____
V	MA 225 - Infinite Series	2.0	_____	VII	OE 501 - Oceanography	3.0	_____
V	MA 231 - Nonlinear Optimization	2.0	_____	VII	OE 527 - Laboratory in Naval Architecture	3.0	_____
V	OE 525 - Principles of Naval Architecture	3.0	_____	VII	PRV 20X - Frontiers of Technology	1.0	_____
V	PRV 20X - Frontiers of Technology ⁵	1.0	_____	VII	General Elective ³ : _____	3.0	_____
				VII	Humanities: _____	3.0	_____
TERM VI				TERM VIII			
VI	CE 373 - Structural Analysis	3.0	_____	VIII	IDE 402 - Senior Innovation III: Venture Plan & Pitch	1.0	_____
VI	CE 399 - Civil Engineering Project Management	2.0	_____	VIII	NE 424 - Engineering Design VIII	3.0	_____
VI	NE 322 - Engineering Design VI	2.0	_____	VIII	OE 532 - Total Ship Design II	3.0	_____
VI	OE 520 - Ocean Wave Mechanics	3.0	_____	VIII	PRV 20X - Frontiers of Technology	1.0	_____
VI	OE 528 - Computer Aided Ship Design	3.0	_____	VIII	General Elective: _____	3.0	_____
VI	Humanities ⁴ : _____	3.0	_____	VIII	Technical Elective ² : _____	3.0	_____
				VIII	Humanities: _____	3.0	_____

ADDITIONAL COURSES

Notes:

- Science Elective can be selected from the following list. Laboratory is not required.
 - CH 116 with or without lab (CH 118), BIO 181 with or without lab (BIO 182), PEP 201 (embedded lab), PEP 151, PEP 152, PEP 351, NANO 200, CE 240.
- Technical Electives can be selected from any 500 and 600-level course offered by the Civil, Environmental, Ocean, or Mechanical Engineering Departments.
- 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.
- Humanities: Please see [Humanities Requirements](#) for specific requirements.
- [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 _____