

Bachelor of Engineering Study Plan - Entering Fall 2025 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., 25F, 26S, 26F, 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	CPE 360 - Computational Data Structures & Algorithms	3.0	_____
I	CH 117 - General Chemistry Laboratory I	1.0	_____	III	ENGR 211 - Statics & Introduction to Engineering Mechanics	4.0	_____
I	ENGR 111 - Intro to Engineering Design & Systems Thinking	4.0	_____	III	ENGR 245 - Circuits & Systems	3.0	_____
I	ENGR 116 - Intro to Programming & Algorithmic Thinking	3.0	_____	III	MA 221 - Differential Equations	4.0	_____
I	HASS 103 - Writing & Communications Colloquium	3.0	_____	III	PEP 112 - Electricity & 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	CPE 390 - Microprocessor Systems	4.0	_____
II	HASS 105 - Knowledge, Nature, Culture	3.0	_____	IV	ENGR 212 - Design of Dynamical Systems	4.0	_____
II	MA 125 - Vectors and Matrices	2.0	_____	IV	ENGR 234 - Thermodynamics	3.0	_____
II	MA 126 - Multivariable Calculus I	2.0	_____	IV	MA 134 - Discrete Mathematics	3.0	_____
II	MGT 103 - Introduction to Entrepreneurial Thinking	2.0	_____	IV	PRV 20X - Frontiers of Technology ⁵	1.0	_____
II	PEP 111 - Mechanics	3.0	_____	IV	PRV 20X - Frontiers of Technology	1.0	_____
II	Science Elective ¹ : _____	3.0	_____	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	Course	Credits	Grade
TERM V				TERM VII			
V	CPE 359 - Electronic Circuits	3.0	_____	VII	CPE 423 - Engineering Design VII	3.0	_____
V	CPE 490 - Information Systems Engineering I	3.0	_____	VII	CPE 487 - Digital System Design	3.0	_____
V	ENGR 241 - Probability & Statistics w/ Data Science Apps.	4.0	_____	VII	IDE 401 - Senior Innovation-II: Value Proposition	1.0	_____
V	ENGR 311 - Design with Materials	4.0	_____	VII	General Elective ³ : _____	3.0	_____
V	Humanities ⁴ : _____	3.0	_____	VII	Technical Elective: _____	3.0	_____
				VII	Humanities: _____	3.0	_____

TERM VI				TERM VIII			
VI	CPE 322 - Engineering Design VI	2.0	_____	VIII	CPE 424 - Engineering Design VIII	3.0	_____
VI	CPE 345 - Modeling and Simulation	3.0	_____	VIII	IDE 402 - Senior Innovation III: Venture Planning & Pitch	1.0	_____
VI	CPE 462 - Introduction to Image Processing & Coding	3.0	_____	VIII	General Elective: _____	3.0	_____
VI	IDE 399 - Engineering Economics & Project Management	2.0	_____	VIII	Technical Elective: _____	3.0	_____
VI	General Elective: _____	3.0	_____	VIII	Technical Elective: _____	3.0	_____
VI	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), EN 250, PEP 151, PEP 152, PEP 242, PEP 336, PEP 351, NANO 200, CE 240.
- 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.
- 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.

_____	_____	_____
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_____	_____	_____
_____	_____	_____

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