

# Bachelor of Engineering Study Plan - Entering Fall 2024 and later

Name: \_\_\_\_\_ ID: \_\_\_\_\_ E-mail: \_\_\_\_\_ Class: \_\_\_\_\_

Major: **Environmental 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
<b>TERM I</b>				<b>TERM III</b>			
I	CH 115 - General Chemistry I	3.0	_____	III	EN 275 - Environmental Biology	3.0	_____
I	CH 117 - General Chemistry Lab I	1.0	_____	III	ENGR 211 - Statics & Introduction to Engr. Mechanics	4.0	_____
I	ENGR 111 - Intro to Engr. Design & Systems 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	_____				
<b>TERM II</b>				<b>TERM IV</b>			
II	CH 116 - General Chemistry II	3.0	_____	IV	CHE 233 - Chemical Engineering Thermodynamics I	3.0	_____
II	CH 118 - General Chemistry Lab II	1.0	_____	IV	EN 377 - Intro. to Environmental Engineering Systems	3.0	_____
II	ENGR 122 - Field Sustainable Systems with Sensors	2.0	_____	IV	EN 379 - Environmental Engineering Laboratory	1.0	_____
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 241 - Probability & Stats w/ Data Science Apps	4.0	_____
II	MA 126 - Multivariable Calculus I	2.0	_____	IV	PRV 20X - Frontiers of Technology <sup>3</sup>	1.0	_____
II	MGT 103 - Introduction to Entrepreneurial Thinking	2.0	_____				
II	PEP 111 - Mechanics	3.0	_____				

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Original \_\_\_\_\_ Revision \_\_\_\_\_

Academic Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_ 2nd Degree \_\_\_\_\_

Name: \_\_\_\_\_ ID: \_\_\_\_\_ E-mail: \_\_\_\_\_ Class: \_\_\_\_\_

Major: **Environmental Engineering**

Term	Course	Credits	Grade	Term	Course	Credits	Grade
<b>TERM V</b>				<b>TERM VII</b>			
V	CE 342 - Fluid Mechanics	4.0	_____	VII	EN 423 - Engineering Design VII	3.0	_____
V	EN 570 - Environmental Chemistry	3.0	_____	<b>VII</b>	<b>EN 506 - Air Pollution Principles &amp; Control OR</b>	3.0	_____
V	ENGR 311 - Design with Materials	4.0	_____		EN 553 - Groundwater Engineering <b>OR</b>	3.0	_____
V	MA 225 - Infinite Series	2.0	_____		EN 573 - Bio. Processes for Environmental Control	3.0	_____
V	MA 231 - Nonlinear Optimization	2.0	_____	VII	EN 551 - Environmental Chem. of Soils & Natural Surfaces	3.0	_____
V	PRV 20X - Frontiers of Technology	1.0	_____	VII	IDE 401 - Senior Innovation-II: Value Proposition	1.0	_____
				VII	PRV 20X - Frontiers of Technology	1.0	_____
				VII	General Elective <sup>1</sup> : _____	3.0	_____
				VII	Humanities: _____	3.0	_____
<b>TERM VI</b>				<b>TERM VIII</b>			
VI	CE 304 - Water Resources Engineering	3.0	_____	<b>VIII</b>	<b>CE 546 - Mach Learning &amp; Analytics in Civil Engr. Apps OR</b>	3.0	_____
VI	CE 399 - Civil Engineering Project Management	2.0	_____		EN 365 - Numerical Modeling in Civil & Environmental Engr <b>OR</b>	3.0	_____
VI	EN 322 - Engineering Design VI	2.0	_____		EN 580 - Modeling of Environmental Systems	3.0	_____
VI	EN 541 - Fate & Transport of Environmental Contaminants	3.0	_____	VIII	EN 424 - Engineering Design VIII	3.0	_____
VI	EN 571 - Physiochem. Processes for Environmental Control	3.0	_____	<b>VIII</b>	<b>EN 510 - Perspectives in Environmental Management OR</b>	3.0	_____
VI	Humanities <sup>2</sup> : _____	3.0	_____		EN 517 - Environmental Assessment <b>OR</b>	3.0	_____
					EN 530 - Introduction to Sustainable Engineering <b>OR</b>	3.0	_____
					SM 535 - Innovation for Sustainable Business	3.0	_____
				VIII	IDE 402 - Senior Innovation III: Venture Planning & Pitch	1.0	_____
				VIII	General Elective: _____	3.0	_____
				VIII	Humanities: _____	3.0	_____

**ADDITIONAL COURSES**

Notes:

- General Electives can be selected from available courses offered by programs in SES, SSE, SOB and HASS (including EN courses). Approval from the student's advisor and the course instructor may be required.
- Humanities electives: 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 \_\_\_\_\_