

Int Engr -Individual Plan of Study Degree Plan (2026/27 catalog)

First Year			
Fall		Spring	
ENGR 101: Introduction to Engineering	3	ENGR 102 or ENGR 103	3
MATH 150: Calculus I	4	PHYS 270/270L: Mechanics & Lab	4
COMP 110: Computational Problem Solving	3.5	MATH 151: Calculus II	4
Core Curriculum	3	CHEM 151/151L: General Chemistry I & Lab	4
Core Curriculum	3	Core Curriculum	3
Total Semester Units		16.5	Total Semester Units 18
Second Year			
Fall		Spring	
ENGR 102 or ENGR 103	3	GENG 250: Integrated Approach to Energy	3
MATH 310: Applied Math for Engineering	3	GENG 288: Integrated Approach to EE	4
PHYS 271/271L: Intro to Elec. and Magnet. & Lab	4	MENG 210: Statics	3
Core Curriculum	3	MATH 250: Calculus III or MATH 262: Discrete Math	3 - 4
Core Curriculum	3	Core Curriculum	3
Total Semester Units		16	Total Semester Units 16 -17
Third Year			
Fall		Spring	
GENG 311: Engineering Materials Science	3	GENG 360: Experimental Engineering	3
ISYE 330: Engineering Probability and Statistics	3	GENG 380: Sustainability and Engineering	3
IPS Elective I	3	IPS Elective II	3
Engineering Elective (Lower or Upper Division)	3	IPS Elective III	3
Core Curriculum	3	Core Curriculum	3
Core Curriculum	3	Core Curriculum	3
Total Semester Units		18	Total Semester Units 18
Fourth Year			
Fall		Spring	
GENG 491: Engineering Senior Design I	4	GENG 492: Engineering Senior Design II	3
GENG 350: Engineering and Social Justice	3	IPS Elective V	3
IPS Elective IV	3	Approved Engineering Class (Upper Division) I	3
Engineering Elective (Upper Division)	3	Approved Engineering Class (Upper Division) II	3
Core Curriculum	3	Free Elective	3
Total Semester Units		16	Total Semester Units 15
Final Semester			
Fall			
IPS Elective VI	3		
Math/Sci Elective (based on concentration)	3		
Free Elective	6 - 9		
Total Semester Units		12 - 15	Total GENG Degree Units 147