

Int Engr - Engineering with Artificial Intelligence 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	COMP 120: Programming Abstractions	3.5
COMP 110: Computational Problem Solving	3.5	MATH 151: Calculus II	4
Core Curriculum	3	PHYS 270/270L: Mechanics & Lab	4
Core Curriculum	3	Core Curriculum	3
Total Semester Units		16.5	Total Semester Units 17.5
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	CHEM 151/151L: General Chemistry I & Lab	4
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 17-18
Third Year			
Fall		Spring	
GENG 311: Engineering Materials Science	3	GENG 360: Experimental Engineering	3
MENG 210: Statics	3	GENG 380: Sustainability and Engineering	3
ISYE 330: Engineering Probability and Statistics	3	GENG 340: AI Tools for Engineering Practice	3
COMP 351: Introduction to AI	3	EAI Elective I	3
Core Curriculum	3	PHIL 348: Ethics of AI & Robotics	3
Total Semester Units		15	Total Semester Units 15
Fourth Year			
Fall		Spring	
GENG 350: Engineering and Social Justice	3	GENG 492: Engineering Senior Design II	3
GENG: 491 Engineering Senior Design I	4	Engineering Elective (Upper Division)	3
EAI Elective II	3	EAI Elective IV	3
EAI Elective III	3	Core Curriculum	3
Core Curriculum	3	Core Curriculum	3
		Free Elective	3
Total Semester Units		16	Total Semester Units 18
Final Semester			
Fall			
Engineering Elective (lower or upper division)	3		
Math/Sci elective (based on concentration)	3		
Free Elective	9-10		
Total Semester Units		15-16	Total GENG Degree Units 147