PURDUE UNIVERSITY FORT WAYNE

Bachelor of Science in Engineering Major in Computer Engineering
Department of Electrical and Computer Engineering

Overall major GPA minimum 2.0 required.
All courses used to satisfy a General Education requirement must be completed with a grade of C- or better.
Effective: Fall 2026
Course sequencing follows the academic year, and assumes beginning the program in the fall semester.
The math and physics departments require a C or better in some pre-requisite courses.
For more information, visit the ECE Department website.

P = Prerequisite, C = Co-requisite, DC = Design Content

1st semester 15 credits	**MA 16500 (4)** P: MA 15400 or MA 15900 (C- or better), or placement **GE: A3**	**CHM 11500 (4)** P: CHM 11100 or 1 yr. H.S. C: MA 15400 **GE: B4**	**ENGR 12700 (4)** C: MA 16500	**ENGL 13100 (3)** P: ENGL 12900 with C or better or placement **GE: A1**		
	Anlytc Geomtry&Calc I	General Chemistry	Engineering Fund I	Elem Composition I		
2nd semester 16 credits	**MA 16600 (4)** P: MA 16500 (C- or better) **GE: A3**	**PHYS 15200 (5)** P: MA 16500 or MA 16600 or MA 26100 (C- or better) **GE: B4**	**ENGR 12800 (4)** P: ENGR 12700 (C- or better) C: MA 16500 C: ENGL 13100 or COM 11400	**COM 11400 (3)** **GE: A2**		
	Anlytc Geomtry&Calc II	Mechanics	Engineering Fund II	Fundament Of Speech		
3rd semester 16 credits	**MA 26100 (4)** P: MA 16600 (C- or better)	**PHYS 25100 (5)** P: PHYS 15200 (C or better) C: MA 26100	**ECE 20100 (3)** C: MA 26100	**ECE 27000 (4)** C: ENGR 12800 or equivalent course of computer programming **DC**		
	Multivariate Calculus	Heat Electricity & Optics	Linear Circuit Anly I	Intro Digitl Sys Desgn		
4th semester 16 credits	**MA 35100 (3)** P: MA 16600 (C- or better)	**MA 36300 (3)** P: MA 26100 or MA 26300 (C- or better) C: MA 35100 (C- or better) or current enrollment in MA 35100	**ECE 20200 (3)** P: ECE 20100 C: MA 36300 **DC**	**ECE 20700 (1)** P: ECE 20100	**ECE 22900 (3)** P: ENGR 12800 or equivalent course of computer programming	**ECE 23000 (3)** P: ENGR 12800 or equivalent course of computer programming
	Elem Linear Algebra	Differential Equations	Linear Circuit Anly II	Measure & Instrumentn	C Programming for ECE	Engineering Data Analysis in Python
5th semester 16 credits	**ECE 25500 (3)** P: ECE 20100, CHM 11500 **DC**	**ECE 30100 (3)** P: ECE 20200	**ECE 35800 (3)** P: ECE 27000, ECE 22900 **DC**	**ECE 36200 (4)** P: ECE 27000, ECE 20700, ECE 22900 **DC**	**ECE 36800 (3)** P: ECE 23000 **DC**	
	Intr Electron Anly Des	Signals And Systems	Intro To VHDL	Micropro Sys & Intrfac	Data Structures	
6th semester 16 credits	**MA 17500 (3)**	**ECE 20800 (1)** P: ECE 20700 P: ECE 25500 **DC**	**ECE 30200 (3)** P: MA 36300 C: ECE 30100	**ECE 46500 (3)** P: ECE 36200	**General Education Elective (3)** **B6 with all outcomes**	**General Education Elective (3)** **B7**
	Discrete Math	Electron Dev & Des Lab	Probabilistic Methods	Embedded Micro		
7th semester 16 credits	**ECE 40500 (3)** Senior program standing **DC**	**ECE 48500 (4)** P: ECE 36200 MA 17500 or MA 27500 C: ECE 36800 **DC**	**Group 1 or 2: Technical Elective (3)**	**Group 1 or 2: Technical Elective (3)**	**General Education Elective (3)** **B5 with all outcomes**	**Civics Literary Requirements**
	Sr Engineering Des I	Embedd Real-Time OS				
8th semester 16 credits	**ECE 40601 (2)** P: ECE 40500 C: ECE 40602 DC	**ECE 40602 (1)** C/P: ECE 20100	**ECE 43700 (4)** P: ECE 36200, ECE 35800 **DC**	**Group 1: Technical Elective (3)**	**Group 1 or 2: Technical Elective (3)**	**General Education Elective (3)** **B8**
	Sr Engineering Des II	ECE Seminar	Computer Des & Prototyp			

Revised: October 2025

*** MA 17500:** P: MA 16500 or (MA 15300 and CS 16000) or (MA 15300 and EET 26400) with a grade of C- or higher in each course.

Program Standing:
90 credits (including ECE 36200) = Senior; 60 credits = Junior; 30 credits (including PHYS 15200) = Sophomore