

MINOR IN COMPUTER ENGINEERING

REQUIREMENTS

Visit the program website (<https://www.ece.seas.gwu.edu/undergraduate-programs/>) for additional information.

Code	Title	Credits
------	-------	---------

Prerequisites

The following courses must be completed before beginning the minor program.

APSC 2113	Engineering Analysis I ¹
ECE 1120	C Programming for Electrical and Computer Engineering
PHYS 1022	University Physics II ¹
or PHYS 1026	University Physics II with Biological Applications

Core

ECE 2110	Circuit Theory
ECE 2115	Engineering Electronics
ECE 2140	Design of Logic Systems

Electives

Two of the following:

ECE 3130	Digital Electronics and Design
ECE 3135	Digital Design with Field-Programmable Gate Arrays
ECE 3220	Introduction to Digital Signal Processing ¹
ECE 3310	Introduction to Electromagnetics
ECE 3515	Computer Organization
ECE 3520	Microprocessors: Software, Hardware, and Interfacing
ECE 3525	Introduction to Embedded Systems ¹
ECE 4140	VLSI Design and Simulation ¹
ECE 4535	Computer Architecture and Design ¹
ECE 4415	Introduction to Computer Networks ²
ECE 4425	Data Communications Laboratory ²

¹ Requires additional prerequisites.

² ECE 4415 Introduction to Computer Networks and ECE 4425 Data Communications Laboratory must be taken concurrently.