

MINOR IN COMPUTER ENGINEERING

REQUIREMENTS

The curriculum consists of prerequisite, core, and elective courses. Excluding prerequisite courses, 18 credits are required for the minor; at least 9 of those credits must be in courses not required, but could be taken as electives, for the major.

Students must have a grade-point average of 2.2 or above and elective ECE courses taken for the minor in order to fulfill minor requirements.

Code	Title	Credits
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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 FPGAs
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
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ECE 4415	Introduction to Computer Networks ²
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ECE 4425	Data Communications Laboratory ²
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¹ Requires additional prerequisites.

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

To earn a minor in computer engineering, a student must have a GPA of 2.20 or higher in the ECE courses defining the minor.

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