COMPUTER ENGINEERING, MINOR (BEHREND)

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Requirements

Requirement	Credits
Requirements for the Minor	24

Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (https://senate.psu.edu/students/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

Code	Title	Credits
Prescribed Courses		
Prescribed Courses: Require a grade of C or better		
EE 210	Circuits and Devices	4
EE 310	Electronic Circuit Design I	4
EE 316	Introduction to Embedded Microcontrollers	3
Additional Courses		
Additional Courses: Require a grade of C or better		
CMPEN 271 & CMPEN 275	Introduction to Digital Systems and Digital Design Laboratory	4
CMPSC 201 or CMPSC 202	Programming for Engineers with C++	3
Select two of the following:		6
CMPEN 352W	Embedded Systems Design	
CMPEN 411	VLSI Digital Circuits	
CMPEN 431	Introduction to Computer Architecture	
CMPEN 441	Operating Systems	
CMPEN 461	Communication Networks	
CMPSC 450	Concurrent Scientific Programming	
SWENG 411	Software Engineering	