COMPUTER ENGINEERING MINOR

The Minor in Computer Engineering is a 15-credit program that provides undergraduates the opportunity to focus their studies on a field that combines aspects of both computer science and electrical engineering and that is recognized widely as its own discipline.

REQUIREMENTS

Requirement Description		Credits
REQUIRED COURSES: [1]		
CMPE 2210	Computer Organization	3
or CMPE 2810	Fundamentals of Digital Design	
ELECTIVES:		
CMPE 2830	Embedded Programming in C	3
CMPE 2990	Special Topics	1-18
or CMPE 3990	Special Topics	
or CMPE 4990	Special Topics	
or CMPE 5990	Special Topics	
CMPE 2991	Internship	1-18
or CMPE 3991	Internship	
or CMPE 4991	Internship	
or CMPE 5991	Internship	
CMPE 2993	Independent Study	1-18
or CMPE 3993	Independent Study	
or CMPE 4993	Independent Study	
or CMPE 5993	Independent Study	
CMPE 2994	Teaching Assistantship	1-3
or CMPE 3994	Teaching Assistantship	
or CMPE 4994	Teaching Assistantship	
or CMPE 5994	Teaching Assistantship	
CMPE 2996	Honors	1-6
or CMPE 3996	Honors	
or CMPE 4996	Honors	
CMPE 3220	Computer Architecture	3
CMPE 3650	Computer Networks	3
CMPE 3815	Microcontroller Systems	0 or 4
CMPE 5220	Advanced Computer Architecture	3
CMPE 5410	Digital VLSI Circuit Design	0 or 3
CMPE 5540	Real-Time Control Systems	3
CMPE 5810	Digital Computer Design	3

[1] If both required courses are completed, one may be used to fulfill an elective.

OTHER INFORMATION

These courses cover the foundational topics related to computer engineering, in architectures, hardware, networks and embedded programming.