

## 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: <sup>1</sup>		
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

<sup>1</sup> 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.