

Supplemental Focus Areas for CprE

- In order to declare a CprE Focus Area of Study a student must take six credits in the category
- Courses marked with a + are required and can be substituted for a student's EE technical elective
- Courses marked with an asterisk * are recommended for the focus area
- Refer to the CprE Technical Elective list for semester, credit, and pre-requisite(s) information

COURSES COURSE TITLE

Software

+SE 319	Software Construction & User Interfaces	(substitute for EE technical elective)
SE 329*	Software Project Management	
SE 339*	Software Architecture & Design	
SE 409	Software Requirements Engineering	
SE 412*	Software Verification	
SE 416	Software Evolution & Maintenance	
SE 417	Software Testing	

Software Systems

+Cpr E 426	Intro to Parallel Algorithms & Programming	(substitute for EE technical elective)
Cpr E 458*	Real-Time Systems	
Cpr E 450*	Distributed Systems & Middleware	

Embedded Systems

Cpr E 388X*	Embedded Systems II	
Cpr E 488*	Embedded Systems Design	
Cpr E 458	Real-Time Systems	

Networking

+Cpr E 489*	Computer Networking & Data Comm	(substitute for EE technical elective)
Cpr E 431*	Basics of Information Systems Security	
Cpr E 454*	Distributed & Network Operating Systems	
Cpr E 458	Real-Time Systems	
Cpr E 530	Advanced Protocols & Network Security	

Security

+Cpr E 431	Basics of Information Systems Security	(substitute for EE technical elective)
Cpr E 454*	Distributed & Network Operating Systems	
Cpr E 530*	Advanced Protocols & Network Security	
Cpr E 532	Information Warfare	

VLSI

+EE 224	Signals and Systems I (EE Tech Elect)	(substitute for EE technical elective)
Cpr E 330*	Integrated Electronics	
Cpr E 465*	Digital Integrated Circuit Design	
CprE 388X	Embedded Systems I	
Cpr E 488	Embedded Systems Design	

Computer Architecture

CprE 388X*	Embedded Systems I	
Cpr E 488	Embedded Systems Design	
Cpr E 450	Distributed Systems & Middleware	