



Computer Engineering (CENG)

Core Requirements

Code	Title	Credits	Prerequisites	Corequisites
CSCI250	Introduction to Programming	3		ENGL101-CSCI250L
CSCI250L	Introduction to Programming Lab	1	ENGL101	CSCI250
CSCI300	Intermediate Programming with Objects	3	CSCI250L-CSCI250	
IENG300	Engineering Project Management	3	ENGL201	
MATH210	Calculus II	3	MATH160	
MATH220	Calculus III	3	MATH210	
MATH225	Linear Algebra with Applications	3	MATH160	
MATH270	Ordinary Differential Equations	3	MATH210	MATH225
MATH310	Probability & Statistics for Scientists & Engineers	3	MATH210-ENGL201	
MENG225	Engineering Drawing & CAD	3		
MENG250	Mechanics I (Statics)	3	ENGL051	MATH210
PHYS220	Physics for Engineers	3	ENGL101-PHYS160	MATH210
Total		34		

Major Requirements

Code	Title	Credits	Prerequisites	Corequisites
CENG300	Fundamentals of Digital Logic Design	3	EENG250-ENGL051-ENGL101	
CENG310L	Software Applications and Design Lab	1		CSCI300
CENG352L	Digital Logic Circuits Lab	1	EENG301L-CENG300	
CENG355	Advanced Digital Logic Design	3	EENG250-CSCI250-CENG300	CENG352L
CENG375	Introduction to Database Systems	3	CENG310L-CSCI300	
CENG380	Microprocessors and Microcontrollers	3	EENG250-CSCI250-CENG300	CENG352L
CENG400	Computer Organization and Design	3	CENG355-CENG380	
CENG400L	Microcontroller Applications Lab	1	CENG380	
CENG415	Communication Networks	3	CSCI250-CSCI300	
CENG420	Web Programming and Technologies	3	CSCI300-CENG375	
CENG435	Mobile Application Development	3	CSCI300-CENG375	
CENG455L	Communication Networks Lab	1	CENG415	
CENG460	Operating Systems	3	CENG380-CSCI300	
CENG460L	Linux Lab	1	CENG415-CSCI300	
CENG470	Data Structures and Analysis of Algorithms	3	CENG310L-CSCI300	
CENG495	Senior Project	3	IENG300-EENG447-CENG435-CENG415-CENG380-CENG375	
EENG250	Electric Circuits I	3	ENGL051	MATH210
EENG300	Electric Circuits II	3	EENG250	EENG301L
EENG301L	Electric Circuits Lab	1	EENG250	EENG300
EENG350	Electronic Circuits I	3	EENG250	EENG350L
EENG350L	Electronic Circuits I Lab	1	EENG301L	EENG350
EENG385	Signals and Systems	3	MATH225-EENG300	MATH270
EENG447	Analog Communication Systems	3	MATH310-EENG385	EENG467L
EENG467L	Analog Communication Systems Lab	1		EENG447

Total	56
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General Education Requirements

Code	Title	Credits	Prerequisites	Corequisites
ARAB200	Arabic Language and Literature	3		
CULT200	Introduction to Arab - Islamic Civilization	3		
ENGL201	Composition and Research Skills	3	ENGL151	
ENGL251	Communication Skills	3	ENGL201	
Total		12		

General Education Electives

Code	Title	Credits	Prerequisites	Corequisites
	General Education Electives	3		
	General Education Electives	3		
Total		6		

Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
There are no Major Elective Courses				