



Computer Science (CSCI)

First Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
CULT200	Introduction to Arab - Islamic Civilization	3		
ENGL201	Composition and Research Skills	3	ENGL151	
CSCI200	Introduction to Computers	3	ENGL051	
MATH225	Linear Algebra with Applications	3	MATH160	
CSCI205	Computer Science Overview	3	ENGL101	
MATH210	Calculus II	3	MATH160	
Total		18		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
ENGL251	Communication Skills	3	ENGL201	
MATH260	Discrete Mathematics	3	MATH225	
MATH220	Calculus III	3	MATH210	
CSCI250L	Introduction to Programming Lab	1	ENGL101-CSCI205-CSCI200	CSCI250
CSCI250	Introduction to Programming	3	ENGL101-CSCI205-CSCI200	CSCI250L
ARAB200	Arabic Language and Literature	3		
Total		16		

Second Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
MATH310	Probability & Statistics for Scientists & Engineers	3	MATH210-ENGL201	
CSCI300	Intermediate Programming with Objects	3	CSCI250L-CSCI250	CSCI300L
CSCI342	Fundamentals of Networking Technologies	3	CSCI250	
CSCI300L	Intermediate Programming with Objects Lab	1	CSCI250	CSCI300
	Major Elective	3		
CSCI335L	Database Systems Lab	1	CSCI250	CSCI335
CSCI335	Database Systems	3	CSCI250	CSCI335L
Total		17		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
CSCI385	Digital Logic	3	CSCI250-CSCI205-CSCI200	
CSCI375	Web Programming Client Side	3	CSCI300	
CSCI392	Computer Networks	3	CSCI342	
CSCI370	Visual Programming	3	CSCI300	
CSCI350	Data Structures	3	CSCI300	
CSCI380	Software Engineering	3	ENGL201-CSCI335	
Total		18		

Third Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
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CSCI425	Web Programming Server Side	3	CSCI375	
CSCI440	Algorithms	3	CSCI350	
	Major Elective	3		
CSCI445	Robotics Design and Coding	3	CSCI300	
CSCI410	Mobile Application	3	CSCI375	
Total		15		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
	General Education Electives	3		
CSCI465	Operating Systems	3	CSCI392	CSCI465L
CSCI490	Information System Development	3	CSCI380	
CSCI465L	Operating Systems Lab	1	CSCI392	CSCI465
CSCI475	Artificial Intelligence	3	CSCI350	
	Major Elective	3		
Total		16		

Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
BMIS400	E-Business	3		
CSCI427	Application Development	3	ENGL151	
CSCI456	Advanced Programming	3	ENGL051	
CSIT320	Microcomputer Support	3	MATH160	
CSIT430	Internetworking and Routing Protocols	3	ENGL101	
CSIT435	DBMS Administration	3	MATH160	
CSIT480	Interconnecting Networks	3	ENGL201	
CSIT485	System and Network Administration	3	MATH225	