



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	ENGL051 - MATH161 - MATH160	
MATH210	Calculus II	3	MATH161 - MATH160	
CSCI205	Computer Science Overview	3	ENGL101	
Total		18		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
MATH260	Discrete Mathematics	3	MATH225	
CSCI250	Introduction to Programming	3	CSCI205 - CSCI200	ENGL101 - CSCI250L
ARAB200	Arabic Language and Literature	3		
CSCI454	Advanced Robotics	3	CSCI445	
ENGL251	Communication Skills	3	ENGL201	
CSCI250L	Introduction to Programming Lab	1	CSCI205 - CSCI200	ENGL101 - CSCI250
Total		16		

Second Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
	Elective	3		
CSCI300L	Intermediate Programming with Objects Lab	1	CSCI250	CSCI300
CSCI342	Fundamentals of Networking Technologies	3	CSCI250	
CSCI300	Intermediate Programming with Objects	3	CSCI250L - CSCI250	CSCI300L
MATH375	Numerical Methods for Scientists & Engineers	3	ENGL051 - MATH225	
CSCI335	Database Systems	3	CSCI250	CSCI335L
CSCI335L	Database Systems Lab	1	CSCI250	CSCI335
Total		17		

Spring Semester

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

Third Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
CSCI425	Web Programming Server Side	3	CSCI370 - CSCI375	
	Elective	3		
CSCI445	Robotics Design and Coding	3	CSCI300 - CSCI250	
CSCI440	Algorithms	3	CSCI350	
CSCI410	Mobile Application	3	CSCI370 - CSCI375	
Total		15		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
	Elective	3		
	Elective	3		
CSCI465L	Operating Systems Lab	1	CSCI392	CSCI465
CSCI465	Operating Systems	3	CSCI392	CSCI465L
CSCI490	Information System Development	3	CSCI410 - CSCI380	
CSCI475	Artificial Intelligence	3	CSCI350	
Total		16		

Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
BMIS300	Management Information Systems	3	CSCI200	ENGL201
BMIS400	E-Business	3	BMIS300	
CSCI427	Application Development	3	CSCI335 - CSCI392 - CSCI370	
CSIT320	Microcomputer Support	3	CSCI200	
CSIT430	Internetworking and Routing Protocols	3	CSCI392	
CSIT435	DBMS Administration	3	CSCI335	
CSIT480	Interconnecting Networks	3	CSIT430	
CSIT485	System and Network Administration	3	CSCI392	