



**Computer Science (CSCI)**

**Major Electives**

Code	Title	Credits	Prerequisites	Corequisites
	Elective	3		
	Elective	3		
	Elective	3		
Total		9		

**Core Requirements**

Code	Title	Credits	Prerequisites	Corequisites
CSCI205	Computer Science Overview	3	ENGL101	
CSCI250	Introduction to Programming	3	CSCI205 - CSCI200	ENGL101 - CSCI250L
CSCI250L	Introduction to Programming Lab	1	CSCI205 - CSCI200	ENGL101 - CSCI250
CSCI300	Intermediate Programming with Objects	3	CSCI250L - CSCI250	CSCI300L
CSCI300L	Intermediate Programming with Objects Lab	1	CSCI250	CSCI300
CSCI335	Database Systems	3	CSCI250	CSCI335L
CSCI335L	Database Systems Lab	1	CSCI250	CSCI335
CSCI342	Fundamentals of Networking Technologies	3	CSCI250	
CSCI370	Visual Programming	3	CSCI335 - CSCI300	
CSCI375	Web Programming Client Side	3	CSCI300	
CSCI380	Software Engineering	3	ENGL201 - CSCI335	
CSCI392	Computer Networks	3	CSCI342	
CSCI410	Mobile Application	3	CSCI370 - CSCI375	
CSCI465	Operating Systems	3	CSCI392	CSCI465L
CSCI465L	Operating Systems Lab	1	CSCI392	CSCI465
CSCI490	Information System Development	3	CSCI410 - CSCI380	
MATH210	Calculus II	3	MATH160	
MATH225	Linear Algebra with Applications	3	MATH160	
Total		46		

**Major Requirements**

Code	Title	Credits	Prerequisites	Corequisites
CSCI350	Data Structures	3	CSCI300	
CSCI385	Digital Logic	3	CSCI250	
CSCI425	Web Programming Server Side	3	CSCI375	
CSCI440	Algorithms	3	CSCI350	
CSCI445	Robotics Design and Coding	3	CSCI300 - CSCI250	
CSCI475	Artificial Intelligence	3	CSCI350	
MATH260	Discrete Mathematics	3	MATH225	
MATH375	Numerical Methods for Scientists & Engineers	3	ENGL051 - MATH225	
Total		24		

**General Education Requirements**

Code	Title	Credits	Prerequisites	Corequisites
ARAB200	Arabic Language and Literature	3		

CSCI200	Introduction to Computers	3	ENGL051	
CSCI454	Advanced Robotics	3	CSCI445	
CULT200	Introduction to Arab - Islamic Civilization	3		
ENGL201	Composition and Research Skills	3	ENGL151	
ENGL251	Communication Skills	3	ENGL201	
Total		18		

### General Education Electives

Code	Title	Credits	Prerequisites	Corequisites
	Elective	3		
Total		3		

### Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
BMIS400	E-Business	3		
CSCI427	Application Development	3	CSCI335-CSCI392-CSCI370	
CSCI456	Advanced Programming	3		
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	