



**Computer Science (CSCI)**

**First Year**

**Fall Semester**

Code	Title	Credits	Prerequisites	Corequisites
ENGL201	Composition and Research Skills	3	ENGL151	
MATH225	Linear Algebra with Applications	3	ENGL051-MATH161-MATH160	
CSCI205	Computer Science Overview	3	ENGL101	
CSCI200	Introduction to Computers	3	ENGL051	
MATH210	Calculus II	3	MATH161-MATH160	
CULT200	Introduction to Arab - Islamic Civilization	3		
<b>Total</b>		<b>18</b>		

**Spring Semester**

Code	Title	Credits	Prerequisites	Corequisites
CSCI250	Introduction to Programming	3	CSCI205-CSCI200	ENGL101-CSCI250L
ARAB200	Arabic Language and Literature	3		
MATH260	Discrete Mathematics	3	MATH225	
ENGL251	Communication Skills	3	ENGL201	
	General Education Electives	3		
CSCI250L	Introduction to Programming Lab	1	CSCI205-CSCI200	ENGL101-CSCI250
<b>Total</b>		<b>16</b>		

**Second Year**

**Fall Semester**

Code	Title	Credits	Prerequisites	Corequisites
CSCI342	Fundamentals of Networking Technologies	3	CSCI250	
CSCI300L	Intermediate Programming with Objects Lab	1	CSCI250	CSCI300
CSCI335L	Database Systems Lab	1	CSCI250	CSCI335
CSCI300	Intermediate Programming with Objects	3	CSCI250L-CSCI250	CSCI300L
CSCI335	Database Systems	3	CSCI250	CSCI335L
MATH305	Programming Languages for Scientist	3	MATH260	
CSCI305	Web Programming Static	3	CSCI250	
<b>Total</b>		<b>17</b>		

**Spring Semester**

Code	Title	Credits	Prerequisites	Corequisites
	Major Elective	3		
CSCI392	Computer Networks	3	CSCI342	
CSCI350	Data Structures	3	CSCI300	
CSCI385	Digital Logic	3	CSCI250	
CSCI380	Software Engineering	3	ENGL201-CSCI335	
CSCI375	Web Programming Client Side	3	CSCI305	
<b>Total</b>		<b>18</b>		

**Third Year**

**Fall Semester**

Code	Title	Credits	Prerequisites	Corequisites
CSCI425	Web Programming Server Side	3	CSCI335-CSCI375	
CSCI410	Mobile Application	3	CSCI335-CSCI250-CSCI375	
CSCI445	Robotics Design and Coding	3	CSCI300-CSCI250	
CSCI440	Algorithms	3	CSCI350	
	Major Elective	3		
<b>Total</b>		<b>15</b>		

### Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
CSCI465	Operating Systems	3	CSCI392	CSCI465L
CSCI465L	Operating Systems Lab	1	CSCI392	CSCI465
	Major Elective	3		
CSCI490	Information System Development	3	CSCI410-CSCI380	
CSCI475	Artificial Intelligence	3	CSCI350	
CSCI454	Advanced Robotics	3	CSCI445	
<b>Total</b>		<b>16</b>		

### Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
BMIS300	Management Information Systems	3	ENGL151-CSCI200	
BMIS360	Operations Management	3	BMIS300	
BMIS400	E-Business	3	BMIS300	
CSCI370	Visual Programming	3	CSCI335-CSCI300	
CSCI377	Introduction to Game Development	3	CSCI300	
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	