



# Information Technology

Y	Course Code	Course Title	Pre-requisites	Credit Hours	Course Code	Course Title	Pre-requisites	Credit Hours
FIRST YEAR	<b>Semester 1</b>				<b>Semester 2</b>			
	CP 101	Introduction to Computing		3	ARAB 101	Arabic Language		3
	CP 110	Programming I		3	CP 115	Programming II	CP 110	3
	ISL 101	Islamic Studies		3	CP 120	Digital Logic Design		3
	MATH 101	Calculus I		4	MATH 102	Calculus II	MATH 101	4
	STAT 101	General Statistics		3	STAT 102	Probability Theory	STAT 101	3
	<i>Total Credit Hours</i>			16	<i>Total Credit Hours</i>			16
SECOND YEAR	<b>Semester 3</b>				<b>Semester 4</b>			
	CHEM 101	General Chemistry I		4	CP 225	Operating Systems	CP 220	3
	CP 210	Data Structures I	CP 115	3	CP 230	Systems Analysis and Design	CP 210	3
	CP 220	Computer Organization & Architecture	CP 120	3	CP 240	Databases	CP 210	3
	MATH 212	Discrete Math	MATH 101	3	ENGL 201	Technical Writing		3
	STAT 250	Applied Probability & Random Processes	STAT 102	3	PHYS 101	General Physics		4
	<i>Total Credit Hours</i>			16	<i>Total Credit Hours</i>			16
THIRD YEAR	<b>Semester 5</b>				<b>Semester 6</b>			
	IT 325	System Administration	CP 225	3	IT 340	Database Administration	CP 240	3
	IT 310	Advanced Programing	CP 210	3	IT 355	Networks Administration	IT 350	3
	IT 350	Computer Networks	CP 225	3	IT 335	Project Management	CP 230	3
	IT 370	Introduction to Cybersecurity	CP 225	3	CS XXX	Concentration Course I		3
	IT 380	Human-Computer Interaction	CP 230	3	CS XXX	Concentration Course II		3
GEE XXX	General Elective Course		3	GEE XXX	General Elective Course		3	
	<i>Total Credit Hours</i>			18	<i>Total Credit Hours</i>			18
FOURTH YEAR	<b>Semester 7</b>				<b>Semester 8</b>			
	IT 498	Senior Project (I)	IT 390	1	IT 491	Needs Assessment & Technology Evaluation	IT 390	3
	IT 401	Professional Computing Issues	IT 390	3	IT 499	Senior Project (II)	IT 498	3
	CS XXX	Concentration Course III		3	CS XXX	Concentration Course V		3
	CS XXX	Concentration Course IV		3	IT XXX	Major Elective Course		3
	IT XXX	Major Elective Course		3	IT XXX	Major Elective Course		3
GEE XXX	General Elective Course		3					
	<i>Total Credit Hours</i>			16	<i>Total Credit Hours</i>			15
Summer	<b>Summer Semester</b>							
	CS 390	COOP PROJECT			Department Approval		200 Hours	



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## Cybersecurity

### Concentration Courses

Course Code	Course Title	Pre-requisites	Credit Hours
IT 375	Information Security Management	IT 370	3
IT 378	Fundamentals of Network Security	IT 350	3
IT 471	Cybersecurity Risk Management	IT 370	3
IT 475	Applied Cryptography and Data Security	IT 370	3
IT 478	Computer Forensics and Investigation	IT 370	3



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## Networking

### Concentration Courses

Course Code	Course Title	Pre-requisites	Credit Hours
IT 356	Advanced Computer Networks	IT 350	3
IT 358	Wireless and Mobile Communication	IT 350	3
IT 451	Cloud Computing	IT 370	3
IT 456	Internet of Things	IT 370	3
IT 458	Software Defined Networks	IT 370	3