

		<b>College of Arts and Applied Sciences</b>		
		<b>Bachelor of Science in Computer Science</b>		
Semester	Code	Course Title	Credits	Pre-Co Requisite
Semester 1	CMPS100B	Introduction to Technical Computing for the Sciences	3	
	CMPS110N	Introduction to Problem Solving and Programming	3	=>CMPS100B
	ARAB101	Academic Writing in Arabic	3	
	ENGL101	Basic Academic English	3	
	MATH199	Calculus I	3	
<b>CREDITS/SEMESTER</b>			<b>15</b>	
Semester 2	CMPS150	Computer Programming	3	CMPS110
	CMPS180	Digital System Design	3	CMPS100B
	ENGL102C	English for Computer Science	3	
	MATH370	Discrete Mathematics	3	
	SOCS102	Omani Society	3	
<b>CREDITS/SEMESTER</b>			<b>15</b>	
Semester 3	CMPS215	Computer Organization with Assembly Language	3	CMPS180
	CMPS220	Data Structures	3	CMPS150
	CMPS240	Analysis of Algorithms	3	=>CMPS220 & MATH 370
	ENGL203C	English for Computer Science II	3	
	ENTR200	Entrepreneurship	3	
<b>CREDITS/SEMESTER</b>			<b>15</b>	
Semester 4	CMPS250	Computer Networks	3	CMPS220 & CMPS180
	CMPS260	Operating Systems	3	CMPS215
	CMPS270	Database Systems	3	CMPS220 & MATH370
		Major Elective	3	
		General Elective	3	

		<b>CREDITS/SEMESTER</b>	<b>15</b>	
Semester 5	CMPS300	Human-Computer Interaction	3	CMPS240
	CMPS310N	Programming Languages	3	CMPS220
	ENGL204	Advanced English for Academic Purposes	3	
	MATH200	Calculus II	3	
		General Elective	3	
		<b>CREDITS/SEMESTER</b>	<b>15</b>	
Semester 6	CMPS365	Artificial Intelligence	3	CMPS240
	MATH320	Linear Algebra I	3	
	ENGL305	Advanced English for Communication Skill	3	
		Major Elective	3	
		Major Elective	3	
		<b>CREDITS/SEMESTER</b>	<b>15</b>	
Semester 7	CMPS410N	Software Engineering	3	CMPS240
	CMPS433	Ethics for IT Professionals	3	CMPS260
	CMPS449	Final Project 1	2	
	MATH250	Probability & Statistics	3	
		Major Elective	3	
		Humanities/Social Elective	3	
		<b>CREDITS/SEMESTER</b>	<b>17</b>	
Semester 8	CMPS499	Final Project 2	2	CMPS449
		Major Elective	3	
		Major Elective	3	
		Major Elective	3	
		Physical/Natural Sciences Elective (3-4 credits)	3-4	
		<b>CREDITS/SEMESTER</b>	<b>14-15</b>	
		<b>TOTAL CREDITS</b>	<b>121-122</b>	