

# جامعة المستقبل كلية الحاسبات وتكنولوجيا المعلومات



**Computer Science Department  
4-Year Plan of Study**

<b>Computer Science Department</b>		<b>قسم علوم الحاسب</b>
<b>4-Year Plan of Study</b>		
<b>بالفصل الدراسي</b>	<b>By Semester</b>	

### الفصل الدراسي الأول

Level 1	Semester 1 (15 credit hours)			
	Code	Course Name	Credit hours	Pre-Requisite
	ENG KET	English Ket (Uni. Requirement 1)	2	
	ENG KET A	English Ket Advanced (Uni. Requirement 1)		
	CSC 101	Introduction to Computer (Uni. Requirement 2)	2	
	SCT 101	Scientific Thinking (Uni. Elective 1)	2	
	MT101	Mathematics -1	3	
	MT111	Discrete Mathematics	3	
	PH101	Physics	3	

### الفصل الدراسي الثاني

Level 1	Semester 2 (17 credit hours)			
	Code	Course Name	Credit hours	Pre-Requisite
	ENG PET	English Pet B1-B2 (Uni. Requirement 3)	2	ENG KET or ENG KET A
	ENG PET A	English Pet Advanced (Uni. Requirement 3)		ENG KET A
	PH102	Advanced Physics	3	PH101
	CS112	Computer Programming-1	3	CSC 101
	EL101	Electronics	3	PH101
	MT102	Mathematics -2	3	MT101
	ST103	Probability and Statistics	3	MT101

## الفصل الدراسي الثالث

Level 2	Semester 3 (16 credit hours)			
	Code	Course Name	Credit hours	Pre-Requisite
	PSC 110	Human Rights (Uni. Requirement 4)	2	
	CPS 101	Communication and Presentation Skills (Uni. Elective 2)	2	ENG KET
	CS111	Logic Design	3	PH101
	CS213	Computer Programming-2	3	CS112
	IS262	Introduction to Information Systems	3	
MT103	Mathematics -3	3	MT102	

## الفصل الدراسي الرابع

Level 2	Semester 4 (15 credit hours)			
	Code	Course Name	Credit hours	Pre-Requisite
	IS211	Database Systems-1	3	IS262
	CS224	Advanced Programming	3	CS213
	CS251	Software Engineering -1	3	CS213
	CS222	Data Structures	3	CS213
	Faculty Elective Course	3		

## الفصل الدراسي الخامس

Level 3 CS	Semester 5 (18 credit hours)			
	Code	Course Name	Credit hours	Pre-Requisite
	CS223	Computer Organization and Assembly Language	3	CS112 CS111
	CS231	Operating Systems -1	3	CS213
	DM222	Computer Networks-1	3	CS213
	IS251	Modeling and Simulation	3	ST103
	CS352	Software Engineering-2	3	CS251
	CS341	Artificial Intelligence	3	CS213

## الفصل الدراسي السادس

Level 3 CS	Semester 6 (18 credit hours)			
	Code	Course Name	Credit hours	Pre-Requisite
	CS312	Computer Architecture	3	CS111
	CS313	Algorithms	3	CS222
	CS416	Theory of Computations	3	MT111
	CS495	Design of Web-Based Applications	3	IS211 CS213
	CS432	Operating Systems-2	3	CS231
	Department Elective 1	3		

## التدريب الصيفي Summer Training

Course Code رقم المقرر	Course Name اسم المقرر	Credit Hours الساعات المعتمدة
TR333	Summer Training التدريب الصيفي	4

## الفصل الدراسي السابع

Level 4 CS	Semester 7 (15 credit hours)			
	Code	Course Name	Credit hours	Pre-Requisite
	PR498	Project-1	3	CS251
	CS314	Fundamentals of Programming Languages	3	CS213
	CS418	Parallel Processing	3	CS312
		Department Elective Course 2	3	
		Department Elective Course 3	3	

## الفصل الدراسي الثامن

Level 4 CS	Semester 8 (15 credit hours)			
	Code	Course Name	Credit hours	Pre-Requisite
	PR499	Project-2	3	PR498
		Department Elective Course 4	3	
		Department Elective Course 5	3	
		Department Elective Course 6	3	
	Department Elective Course 7	3		