

Curriculum of IT Program

Course (Department, Number, Title) List all courses in the program by term starting with first term of the first year and ending with the last term of the final year.	Indicate Whether Course is Required, Elective or a Selected Elective by an R, an E or an SE. ¹	Subject Area (Credit Hours)				Last Two Terms the Course was Offered: Year and Semester, or Quarter	Average Section Enrollment for the Last Two Terms, the Course was Offered ³		
		Math & Sciences ²	Computing Topics Mark with an F or A for Fundamental or Advanced	General Education	Other ⁴				
First Year, First Term (1st Semester), University Foundation year Plan									
CPIT-100	Computer Skills (Alternatively COMM-101)	3	R			3		Fall 2017, Spring 2018	34, 36
ELI-101	English Language (1)		R					Fall 2017, Spring 2018	University wide course
ELI-102	English Language (2)	2	R			2		Fall 2017, Spring 2018	University wide course
MATH-110	General Mathematics (I)	3	R	3				Fall 2017, Spring 2018	University wide course
PHYS-110	General Physics (I)	3	R	3				Fall 2017, Spring 2018	University wide course

First Year, Second Term (2nd Semester)									
COMM-101	Communication Skills (Alternatively CPIT-100)	3	R			3		Fall 2017, Spring 2018	University wide course

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ELI-103	English Language (3)	2	R			2		Fall 2017, Spring 2018	University wide course
ELI-104	English Language (4)	2	R			2		Fall 2017, Spring 2018	University wide course
STAT-110	General Statistics (I)	3	R	3				Fall 2017, Spring 2018	University wide course
CHEM-110	General Chemistry (I)	3	R	3				Fall 2017, Spring 2018	University wide course
BIO-110	General Biology (I)	3	R	3				Fall 2017, Spring 2018	University wide course
Second Year, First Term (3rd Semester) College Freshman Plan									
ISLS-101	Islamic Culture (I)	2	R			2		Fall 2017, Spring 2018	University wide course
CPIT-201	Introduction to Computing	3	R		F 3			Fall 2017, Spring 2018	27, 24
STAT-210	Probability Theory	3	R	3				Fall 2017, Spring 2018	University wide course
CPCS-202	Programming (I)	3	R		F 3			Fall 2017, Spring 2018	23, 23
CPIT-221	Technical Writing	2	R			2		Fall 2017, Spring 2018	24, 26
Second Year, Second Term (4th Semester) Program Degree Plan									
ISLS-201	Islamic Culture (II)	2	R			2		Fall 2017, Spring 2018	University wide course

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ARAB-101	Language Skills	3	R			3		Fall 2017, Spring 2018	University wide course
CPCS-203	Programming (II)	3	R		F 3			Fall 2017, Spring 2018	20, 23
CPCS-222	Discrete Structures (I)	3	R	3				Fall 2017, Spring 2018	23, 27
CPIT-220	Introduction to Information Technology	3	R		F 3			Spring 2017, Spring 2018	16, 21

Third Year, First Term (5th Semester)

ISLS-301	Islamic Culture (III)	2	R			2		Fall 2017, Spring 2018	University wide course
ARAB-201	Writing Skills	3	R			3		Fall 2017, Spring 2018	University wide course
CPCS-204	Data Structures (I)	3	R		F 3			Fall 2017, Spring 2018	21, 16
CPIT-210	Computer Architecture & Organization	3	R		F 3			Fall 2017, Spring 2018	20, 13
---	College Free (I)	3	E		F		3		

Third Year, Second Term (6th Semester)

CPIT-240	Database (I)	3	R		F 3			Fall 2017, Spring 2018	10, 18
CPIT-250	System Analysis & Design	3	R		F 3			Fall 2017, Spring 2018	9, 26

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CPIT-260	Operating Systems	3	R		F 3			Fall 2017, Spring 2018	9, 22
CPIT-285	Computer Graphics	3	R		F 3			Fall 2017, Spring 2018	14, 20
---	College Free (II)	3	E		F		3		

Fourth Year, First Term (7th Semester)

ISLS-401	Islamic Culture (IV)	2	R			2		Fall 2017, Spring 2018	University wide course
CPIT-251	Software Engineering (I)	3	R		F 3			Fall 2017, Spring 2018	20, 10
CPIT-280	Human-Computer Interaction	3	R		F 3			Fall 2017, Spring 2018	27, 10
CPIT-370	Computer Networks	3	R		A 3			Fall 2017, Spring 2018	21, 14
---	Program Elective (I)	3	SE		A 3				

Fourth Year, Second Term (8th Semester)

CPIS-334	Introduction To Software Project Management	2	R		A 2			Fall 2017, Spring 2018	15, 17
CPIT-252	Software Design Patterns	3	R		A 3			Fall 2017, Spring 2018	28, 13

CPIT-330	IT Issues & Management	3	R		A 3			Fall 2017, Spring 2018	4, 17
CPIT-380	Multimedia Technologies	3	R		A 3			Fall 2017, Spring 2018	14, 10
CPIT-305	Advanced Programming	3	R		A 3			Fall 2017, Spring 2018	6, 17
CPIT-425	Information Security	3	R		A 3			Fall 2017, Spring 2018	17, 22
Summer Semester									
CPIT-323	Summer Training	0	R		A 0			Summer 2017	2
Fifth Year, First Term (9th Semester)									
CPIT-405	Internet Applications	3	R		A 3			Fall 2017, Spring 2018	20, 15
CPIT-498	Senior Project 1	1	R		A 1			Fall 2017, Spring 2018	2, 3
CPIT-345	Database Administration	3	R		A 3			Fall 2017, Spring 2018	16, 15
---	Program Elective (II)	3	SE		A 3				
---	Program Elective (III)	3	SE		A 3				
Fifth Year, Second Term (10th Semester)									

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CPIS-428	Professional Computing Issues	2	R		A 2			Fall 2017, Spring 2018	24, 18
CPIT-499	Senior Project 2	3	R		A 3			Fall 2017, Spring 2018	1, 2
CPIT-435	Needs Assessment & Technology Evaluation	2	R		A 2			Fall 2017, Spring 2018	15, 22
CPIT-470	Networks Administration	3	R		A 3			Fall 2017, Spring 2018	28, 12
---	College Free (III)	3	E		F		3		
TOTALS-ABET BASIC-LEVEL REQUIREMENTS					21	82	28	9	
OVERALL TOTAL CREDIT HOURS FOR COMPLETION OF PROGRAM		140			15%	58.57%	20%	6.43%	

List of IT Program Elective Courses									
CPIT-340	Database (II)	3	SE		A 3			Fall 2017, Spring 2018	20, 13
CPIT-375	Data Network Design and Evaluation	3	SE		A 3			Fall 2017, Spring 2018	7, 8
CPIT-430	Decision Support Systems	3	SE		A 3				
CPIT-436	E-Business Technology	3	SE		A 3				

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CPIT-440	Data Mining & Warehousing	3	SE		A 3			Fall 2017, Spring 2018	13, 15
CPIT-445	Knowledge Engineering	3	SE		A 3				
CPIT-455	Software Engineering (II)	3	SE		A 3			Fall 2017, Spring 2018	12, 18
CPIT-456	Software Economics	3	SE		A 3			Fall 2017, Spring 2018	22, 10
CPIT-475	Wireless Data Networks	3	SE		A 3			Fall 2017, Spring 2018	22, 3
CPIT-480	Fundamentals of Instructional Techniques	3	SE		A 3				
CPIT-485	User-Centered System Design	3	SE		A 3				
CPIT-490	Selected Topics in IT	3	SE		A 3			Fall 2017, Spring 2018	11, 3

1. **Required** courses are required of all students in the program, **elective** courses (often referred to as open or free electives) are optional for students, and **selected elective** courses are those for which students must take one or more courses from a specified group.
2. If math and science courses are chosen from a list indicate this and include information elsewhere on the courses that students may choose from.
3. For courses that include multiple elements (lecture, laboratory, recitation, etc.), indicate the maximum enrollment in each element. For selected elective courses, indicate the maximum enrollment for each option.
4. We opted for College free courses' topics as 'Other Subject Area' because for such a course, our students can take any course offered in any other department in the University.
5. Instructional materials and student work verifying compliance with ABET criteria for the categories indicated above will be required during the campus visit.

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