

Curriculum of IS Program

(Course Number, Title, Credit) 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 a R, an E or a SE. ¹	<i>Subject Area (Credit Hours)</i>					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	Information ⁴ Systems Environment	General Education	Other ⁵		
First Year 1st Semester (Level-1)								
CPIT-100 Computer Skills	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)	R				2		Fall-2017-Spring-2018	University-wide course
MATH-110 General Mathematic-(I)	R	3					Fall-2017-Spring-2018	University-wide course

PHYS-110 General Physics (I)	R	3				Fall-2017- Spring-2018	University-wide course
First Year 2nd Semester (Level-2)							
COMM-101 Communication Skills	R				3	Fall-2017- Spring-2018	University-wide course
ELI-103 English Language (3)	R				2	Fall-2017- Spring-2018	University-wide course
ELI-104 English Language (4)	R				2	Fall-2017- Spring-2018	University-wide course
STAT-110 General Statistics- I	R	3				Fall-2017- Spring-2018	University-wide course
CHEM-110 General Chemistry (I)	R	3				Fall-2017- Spring-2018	University-wide course
BIO-110 General Biology (I)	R	3				Fall-2017- Spring-2018	University-wide course
Second Year 1st Semester (Level-3)							

ISLS-101 Islamic Culture (I)	R				2		Fall-2017- Spring-2018	University-wide course
CPIT-201 Introduction to Computing	R		3F				Fall-2017- Spring-2018	27, 24
STAT-210 Probability Theory	R	3					Fall-2017- Spring-2018	University-wide course
CPCS-202 Programming (I)	R		3F				Fall-2017- Spring-2018	23, 26
CPIT-221 Technical Writing	R				2		Fall-2017- Spring-2018	24, 26
Second Year 2nd Semester (Level-4)								
CPIS-220 Principles of Info. Systems	R		3F				Fall-2017- Spring-2018	21, 15
ISLS-201 Islamic Culture (II)	R				2		Fall-2017- Spring-2018	University-wide course
ARAB-101 Language Skills	R				3		Fall-2017- Spring-2018	University-wide course

CPCS-203 Programming (II)	R		3F				Fall-2017- Spring-2018	18, 25
BUS-230 Introduction to Modern Management	R			2			Fall-2017- Spring-2018	Business Faculty Course

Third Year 1 st Semester (Level-5)								
CPCS-204 Data Structures (I)	R		3F				Fall-2017- Spring-2018	23, 19
CPCS-222 Discrete Structures (I)	R	3					Fall-2017- Spring-2018	23, 28
BUS-232 Modern Business Models	R			2			Fall-2017- Spring-2018	Business Faculty Course
CPIS-210 Computer Architecture & Organization	R		3F				Fall-2017- Spring-2018	20, 16
College Free (I)	E					3	Fall-2017- Spring-2018	
Third Year 2 nd Semester (Level-6)								

CPIS-334 Introduction to Software Project Management	R			2			Fall-2017-Spring-2018	18, 14
CPIS-222 Principles of Operating Systems	R		3F				Fall-2017-Spring-2018	20, 15
CPIS-240 Database Management Systems	R		3F				Fall-2017-Spring-2018	10, 15
BUS-233 Organizational Behavior	R			2			Fall-2017-Spring-2018	Business Faculty Course
CPIS-250 Software Engineering	R		3F				Fall-2017-Spring-2018	17, 14
CPIS-370 Fundamentals of Data Networks	R		3A				Fall-2017-Spring-2018	10, 18
Fourth Year 1st Semester (Level-7)								
CPIS-351 IS Analysis & Architecture Design	R		3A				Fall-2017-Spring-2018	23, 15

CPIS-354 Principles of Human-Computer Interaction	R		3A				Fall-2017- Spring-2018	21, 13
CPIS-358 Internet Applications & Web Programming	R		3A				Fall-2017- Spring-2018	23, 13
ACCT-333 Principles of Accounting	R			2			Fall-2017- Spring-2018	Business Faculty Course
CPIS-357 Software Quality and Testing	R		3A				Fall-2017- Spring-2018	30, 17
Fourth Year 2nd Semester (Level-8)								
CPIS-312 Information and Computer Security	R		3A				Fall-2017- Spring-2018	14, 16
CPIS-352 IS Applications Design and Development	R		3A				Fall-2017- Spring-2018	12, 21

CPIS-380 Introduction to E-Business Systems	R			3			Fall-2017- Spring-2018	14, 18
ARAB-201 Writing Skills	R				3		Fall-2017- Spring-2018	University-wide course
Program Elective (1)	SE		3A				Fall-2017- Spring-2018	
Fourth Year Summer Semester								

CPIS-323 Summer (workplace) Training	R		A				Summer-2017	4
Fifth Year 1st Semester (Level-9)								
ISLS-301 Islamic Culture (III)	R				2		Fall-2017- Spring-2018	University-wide course
CPIS-428 Professional Computing Issues	R		2A				Fall-2017- Spring-2018	22, 16

CPIS-498 Senior Project (I)	R		1A				Fall-2017- Spring-2018	2, 2
CPIS-342 Data Mining & Warehousing	R		3A				Fall-2017- Spring-2018	31, 25
Program Elective (II)	SE		3A				Fall-2017- Spring-2018	
College Free (II)	E					3	Fall-2017- Spring-2018	
Fifth Year 2nd Semester (Level-10)								

ISLS-401 Islamic Culture (IV)	R				2		Fall-2017- Spring-2018	University-wide course
CPIS-499 Senior Project (II)	R		3A				Fall-2017- Spring-2018	2, 2
CPIS-434 IS Strategies and Policies	R				3		Fall-2017- Spring-2018	20, 23

Program Elective (III)	SE		3A				Fall-2017- Spring-2018	
College Free (III)	E					3	Fall-2017- Spring-2018	
TOTALS-ABET BASIC- LEVEL REQUIREMENTS								
OVERALL TOTAL CREDIT HOURS FOR THE DEGREE	140	21	66	16	28	9		
PERCENT OF TOTAL		15%	47.14%	11.43%	20%	6.43%		
A list of Departmental Elective Courses								

“accredited by the Computer Accreditation Commission of ABET, <http://www.abet.org>.”

- CPIS-320 Decision Support Systems & Theory
- CPIS-382 Development of E-Systems & Interface Design
- CPIS-420 Techniques of Decision Support Systems
- CPIS-424 Modeling & Simulations

- CPIS-464 Distributed Systems
- CPIS-483 E-Systems Applications
- CPIS-486 E-Business Strategies
- CPIS-490 Selected Topics in IS*

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. This entries in this column indicate courses pertaining to the ‘Information Systems environment’ requirement in the CAC IS Program Criteria. Our curriculum mapped this requirement to business courses (see the Program Criteria section below). The specific IS environment courses and their total credit hours (as well as their totals) are additionally placed in green-colored cells.
5. The courses indicated in this column are the ‘College Free’ courses. For these, students have the option of choosing freely from a wide range of courses offered by various faculties, and are not restricted to basic sciences, mathematics or information systems courses that are associated to the other columns of the table.