



PROGRAM DEGREE PLAN

CS Bachelor Program



Computing
Accreditation
Commission

Program Degree Plan

Fourth Semester

Code	Title	Cr	Pre.
ISLS 201	Islamic Culture (II)	2	ISLS 101
ARAB 101	Arabic Language (I)	3	---
MATH-202	Calculus II	3	MATH-110
CPCS-203	Programming (II)	3	CPCS-202
CPCS-222	Discrete Structures (I)	3	---
Total		14	

Fifth Semester

Code	Title	Cr	Pre.
CPCS-204	Data Structures (I)	3	CPCS-203
CPCS-212	Applied Math for Computing (I)	4	MATH-202
CPCS-211	Digital Logic Design	3	CPIT-201
---	Lab Science (II)*	4	---
Total		14	

Sixth Semester

Code	Title	Cr	Pre.
STAT 352	Applied Probability & Random Processes	3	STAT 210
CPCS-301	Programming Languages	3	CPCS-204 CPCS-222
CPCS-241	Database (I)	3	CPCS-204
CPCS-214	Computer Organization and Architecture (I)	3	CPCS-211
CPCS-223	Analysis & Design of Algorithms	3	CPCS-204
Total		15	

Seventh Semester

Code	Title	Cr	Pre.
CPIS-334	Introduction To Software Project Management	2	---
CPCS-324	Algorithms & Data Structures (II)	3	CPCS-222 CPCS-223
CPCS-331	Artificial Intelligence (I)	3	CPCS-204 CPCS-223
CPCS-351	Software Engineering (I)	3	CPCS-204
CPCS-361	Operating Systems (I)	3	CPCS-214 CPCS-204
CPCS-371	Computer Networks (I)	3	CPCS-214
Total		17	

Eighth Semester

Code	Title	Cr	Pre.
ISLS 301	Islamic Culture (III)	2	ISLS 201
CPCS-302	Compiler Construction	3	CPCS-301
CPCS-381	Human-Computer Interaction (I)	2	CPCS-204
CPCS-391	Computer Graphics (I)	3	CPCS-204 CPCS-212
---	College Free (I)*	3	---
Total		13	

Summer Semester

CPCS-323 Summer (Workplace) Training – Credit: 0 Training: 200 Hours

* Subject to approval by department and academic advisor

Ninth Semester

Code	Title	Cr	Pre.
ARAB 201	Arabic Language (II)	3	ARAB 101
CPCS-498	Senior Project (I)	1	Senior Level
---	Department Elective (I)*	3	---
---	College Free (II)*	3	---
---	College Free (III)*	3	---
Total		13	

Tenth Semester

Code	Title	Cr	Pre.
ISLS 401	Islamic Culture (IV) ⁺	2	ISLS 301
CPCS-499	Senior Project (II)	3	CPCS-498
---	Department Elective (II)*	3	---
---	Department Elective (III)*	3	---
CPIS-428	Professional Computing Issues	2	CPCS-323
Total		13	

⁺ General ethics