

PROGRAM DEGREE PLAN

CS Bachelor Program

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Fourth Semester

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

Total: 14 Credits

Fifth Semester

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

Total: 14 Credits

Sixth Semester

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

Total: 15 Credits

Seventh Semester

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

Total: 17 Credits

Eighth Semester

- ISLS 301 - Islamic Culture (III) - 2 Cr (Pre: ISLS 201)
- CPCS-302 - Compiler Construction - 3 Cr (Pre: CPCS-301)
- CPCS-381 - Human-Computer Interaction (I) - 2 Cr (Pre: CPCS-204)
- CPCS-391 - Computer Graphics (I) - 3 Cr (Pre: CPCS-204, CPCS-212)
- College Free Elective (I) - 3 Cr

Total: 13 Credits

Summer Semester

- CPCS-323 - Summer (Workplace) Training - 200 Hours (No Credit)

Ninth Semester

- ARAB 201 - Arabic Language (II) - 3 Cr (Pre: ARAB 101)
- CPCS-498 - Senior Project (I) - 1 Cr (Pre: Senior Level)
- Department Elective (I) - 3 Cr
- College Free Elective (II) - 3 Cr
- College Free Elective (III) - 3 Cr

Total: 13 Credits

Tenth Semester

- ISLS 401 - Islamic Culture (IV) - 2 Cr (Pre: ISLS 301)
- CPCS-499 - Senior Project (II) - 3 Cr (Pre: CPCS-498)
- Department Elective (II) - 3 Cr
- Department Elective (III) - 3 Cr
- CPIS-428 - Professional Computing Issues - 2 Cr (Pre: CPCS-323)

Total: 13 Credits