

Plan of study – Bachelor in Computer Science

Year I		
Semester 1 (Fall)		15 Credits
Code	Course Title	Credit Hours
ARAB 101	Academic Writing in Arabic	3
CMPS 100B	Introduction to Technical Computing for the Sciences	3
CMPS 110N	Introduction to Problem Solving and Programming	3
ENGL 101	Basic Academic English	3
MATH 199	Calculus I	3
Semester 2 (Spring)		15 Credits
Code	Course Title	Credit Hours
CMPS 150	Computer Programming	3
CMPS 180	Digital System Design	3
ENGL 102C	English for Computer Science I	3
MATH 370	Discrete Mathematics	3
SOCS 102	Omani Society	3
Year II		
Semester 3 (Fall)		15 Credits
Code	Course Title	Credit Hours
CMPS 215	Computer Organization with Assembly Language	3
CMPS 220	Data Structures	3
CMPS 240	Analysis of Algorithms	3
ENGL 203C	English for Computer Science II	3
ENTR 200	Entrepreneurship: Innovation and Creativity	3
Semester 4 (Spring)		15 Credits

Code	Course Title	Credit Hours
CMPS 250	Computer Networks	3
CMPS 260	Operating Systems	3
CMPS 270	Database Systems	3
Code	Major Elective	3
Code	General Elective	3

iversity Catalogue (AY 2020-21)

Year III		
Semester 5 (Fall)		15 Credits
Code	Course Title	Credit Hours
CMPS 300	Human-Computer Interaction	3
CMPS 310N	Programming Languages	3
ENGL 204	Advanced English for Academic Purposes & Research	3
MATH 200	Calculus II	3
Code	General Elective	3
Semester 6 (Spring)		15 Credits
Code	Course Title	Credit Hours
CMPS 365	Artificial Intelligence	3
MATH 320	Linear Algebra I	3
ENGL 305	Advanced English Language & Communication Skills	3
Code	Major Elective	3
Code	Major Elective	3
Year IV		

Semester 7 (Fall)		17 Credits
Code	Course Title	Credit Hours
CMPS 410N	Software Engineering	3
CMPS 433	Ethics for IT Professionals	3
CMPS 449	Final Project 1	2
MATH 250	Probability & Statistics	3
Code	Major Elective	3
Code	Humanities/Social Sciences Elective	3
Semester 8 (Spring)		14-15 Credits
Code	Course Title	Credit Hours
CMPS 499	Final Project 2	2
Code	Major Elective	3
Code	Major Elective	3
Code	Major Elective	3
Code	Physical/ Natural Sciences Elective	3-4
Completion of the BS in Computer Science - Total Credits 121-122		