

## Study Plan

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 110	Introduction to Programming	3
ENGL 101	Basic Academic English	3
MATH 199	Calculus I	3
Semester 2 (Spring)		15 Credits
Code	Course Title	Credit Hours
CMPS 160	Data Structures	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 w/ Assembly Language	3
CMPS 240	Analysis of Algorithms	3
ENGL 203C	English for Computer Science II	3
ENTR 200	Entrepreneurship: Innovation & Creativity	3
Code	Major Elective (Suggested: CMPS200)	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

Year III		
Semester 5 (Fall)		16 Credits
Code	Course Title	Credit Hours
CMPS 310	Programming Languages	4
ENGL 204	Advanced English for Academic purposes & Research	3
MATH 200	Calculus II	3
Code	Major Elective	3
Code	General Elective	3
Semester 6 (Spring)		15 Credits
Code	Course Title	Credit Hours
CMPS 350	Theory of Computation	3
MATH 320	Linear Algebra I	3
ENGL 305	Advanced English language & Communication Skill	3
Code	Major Elective	3
Code	Major Elective	3

Year IV		
Semester 7 (Fall)		16 Credits
Code	Course Title	Credit Hours
CMPS 405	Artificial Intelligence	3
CMPS 410	Software Engineering	4
CMPS 425	Computer Graphics	3
MATH 250	Probability and Statistics	3
Code	Humanities/Social Sciences Elective	3
Semester 8 (Spring)		16 Credits
Code	Course Title	Credit Hours
CMPS 490	Final Project	4
Code	Major Elective	3
Code	Major Elective	3
Code	Physical/ Natural Sciences Elective	3-4
<b>Completion of the BS in Computer Science - Total Credits 120-121</b>		