

PROGRAM OF STUDY FOR A BACHELOR OF SCIENCE IN COMPUTER SCIENCE

MAJOR REQUIREMENTS				
COURSE	COURSE NAME	Pre-req	ECTS.	Grades
CMPS 101	Introduction To Programming		6	
CMPS 102	Intermediate Programming With Data Structure	Pre-req: CMPS 101	6	
CMPS 111	Discrete Structures		6	
CMPS 214	Algorithms And Data Structure	Pre-req: CMPS 111	6	
CMPS 221	Computer Organization And Design	Pre-req: CMPS 111, CMPS 102	6	
CMPS231	Programming Languages	Pre-req: CMPS 102	6	
CMPS 244	Database Systems	Pre-req: CMPS 101 & Junior Standing	6	
CMPS 270	Software Construction	Pre-req: CMPS 102	6	
CMPS 271	Software Engineering	Pre-req: CMPS 270	6	
CMPS 315	Theory Of Computation	Pre-req: CMPS 214	6	
CMPS 340	Operating Systems	Pre-req: CMPS 221	6	
CMPS 342	Computer Networks	Pre-req: CMPS 221	6	
CMPS 361	Machine Learning	Pre-req: CMPS 101, STAT 101, MATH 201	6	
CMPS 490	Internship	PRE-REQ: SENIOR STANDING, Internship Can Also Be Taken In The Summer Of The Third Year	6	
CMPS Elective 1			6	
CMPS Elective 2			6	
CMPS Elective 3			6	
CMPS Elective 4			6	
CMPS Elective 5			6	
CMPS Elective 6			6	
CMPS Elective 7			6	
Total Credits:			126	
Required Math/Stat Courses				
MATH 100	Calculus and Analytics Geometry III		6	
MATH 201	Elementary Linear Algebra with Applications	Students Cannot Receive Credit For Both MATH 202 And MATH 201	6	
STAT 101	Introduction to Probability and Random Variables	Prerequisite: MATH 100. Students Who Complete STAT 101 Cannot Receive Credit For STAT 100	6	
Total Credits:			18	
Required Technical Elective Courses:				
Technical Elective	CMPS Elective Numbered 214 Or Above, PSYC 322, PSYC 329, Mathematics: MATH 100 (Calculus III), MATH 201 (Linear Algebra And Differential Equations), STAT 101 (Probability & Statistics)		6	
Total Credits:			6	
GENERAL EDUCATION REQUIREMENTS				
UNDERSTANDING OUR COMMUNICATION				
COURSE	COURSE NAME	NOTE	ECTS	GRADE
ENGL 100	Academic English	English Communication I (Our Understanding of the Comm.)	6	
ENGL 101	Advanced Academic English	English Communication II (Our Understanding of the Comm.)	6	
ARAB 100	Beginners' Arabic as a Foreign Language I	Arabic Communications or Arabic as a Foreign Language	6	
ARAB 101	Beginners' Arabic as a Foreign Language II	Arabic Communications or Arabic as a Foreign Language II (Understanding our Communication)	6	
GRLG 100	Greek as a foreign language	(Should be taken instead of one of the required arabic courses)	6	
		Writing in the Discipline (fulfilled through an ILA-Designated Course)	0	
CREDITS			24 ECTS	
UNDERSTANDING THE WORLD				
COURSE	COURSE NAME	NOTE	ECTS	GRADE
TBD		The Earth and Planetary Systems or The Living World	6	
TBD		The Earth and Planetary Systems or The Living World or Quantitative Reasoning	6	
TBD		Quantitative Reasoning	6	
TBD		The Earth And Planetary Systems Or The Living World Or Quantitative Reasoning	6	
CREDITS			24 ECTS	
UNDERSTANDING OURSELVES (to include 6 ECTS in Greek Studies) AT LEAST TWO FROM EACH CATEGORY				
COURSE	COURSE NAME	NOTE	ECTS	GRADE
TBD		Cultures and Histories	6	
TBD		Cultures and Histories	6	
TBD		Cultures and Histories Societies and Individuals	6	
TBD		Societies and Individuals	6	
TBD		Societies and Individuals	6	
CREDITS			30 ECTS	
UNDERSTANDING OUR ROLE IN THE WORLD				
COURSE	COURSE NAME	NOTE	ECTS	GRADE
TBD		Understanding our Values	6	
CCECS 200	Civic Engagement	Our Engagement in the World	6	
CREDITS			12 ECTS	
THEMATIC REQUIREMENTS				
	First-Year Student Experience (0 ECTS Requirement)			
	Beirut Residency (0 ECTS Requirement)			
	Social Inequalities (6 ECTS fulfilled through courses designated by ILA as such)			
	History of Ideas (6 ECTS fulfilled through courses designated by ILA as such)			
TOTAL LIBERAL ARTS CREDITS			90 ECTS	
TOTAL CREDITS FOR GRADUATION			240 ECTS	