

PROGRAM OF STUDY FOR A BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING

REQUIRED CORE COURSES					
OLD COURSE CODE	COURSE	COURSE NAME	PREREQUISITES	ECTS	GRADE
	CSEN 100	Introduction to Computer Science and Engineering		6	
CMPS 101	CSEN 101	Introduction to Programming		6	
	CSEN 112L	Programming Laboratory	Prereq or coreq: CSEN 101	3	
	CSEN 111	Discrete Math		6	
CMPS 102	CSEN 201	Object Oriented Programming	Prereq or coreq: CSEN 112L	6	
	CSEN 203	Digital Systems Design		6	
	CSEN 203L	Digital Systems Design Laboratory	Prereq or coreq: CSEN 203	3	
CMPS 221	CSEN 211	Computer Organization and Design		6	
	CSEN 214	Algorithms and Data Structures		6	
CMPS 340	CSEN 301	Operating Systems	Prereq: CSEN 211	6	
CMPS 315	CSEN 302	Theory of Computation	Prereq: CSEN 214	6	
CMPS 342	CSEN 311	Computer Networks		6	
CMPS 244	CSEN 312	Database Systems	Prereq: CSEN 101	6	
CMPS 271	CSEN 313	Software Engineering	Prereq: CSEN 201	6	
	CSEN 401	Artificial Intelligence	Prereqs: CSEN 101, STAT 101	6	
	CSEN 490	Internship	4th year standing	6	
	CSEN 499	Capstone Project/Thesis	4th year standing	6	
				CREDITS	96 ECTS
REQUIRED ELECTIVES					
	Core CSE Elective 1			6	
	Core CSE Elective 2			6	
	Core CSE Elective 3			6	
	Core CSE Elective 4			6	
	Core CSE Elective 5			6	
	General/Technical Elective			6	
	General/Technical Elective			6	
				CREDITS	42
REQUIRED MATH/STAT COURSES					
	MATH 100	Calculus and Analytic 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	Prereq: MATH 100. Students who complete STAT 101 cannot receive credit for STAT 100	6	
				CREDITS	18
				TOTAL MAJOR REQUIREMENTS CREDITS	156
GENERAL EDUCATION REQUIREMENTS					
UNDERSTANDING OUR COMMUNICATION					
COURSE	COURSE NAME	NOTE	ECTS	GRADE	
ENGL 100	Academic English	Academic Communication in English I	6		
ENGL 101	Advanced Academic English	Academic Communication in English II	6		
TBD		Foreign Language Communication in Arabic OR Greek	6		
		Writing in the Discipline (fulfilled through an ILA-Designated Course)	0		
				CREDITS	18 ECTS
UNDERSTANDING THE WORLD					
COURSE	COURSE NAME	NOTE	ECTS	GRADE	
PHYS 100	Introductory Physics II	The Earth and Planetary Systems or The Living World, Pre-req: MATH 100	6		
PHYS 104	Electricity and Magnetism	The Earth and Planetary Systems or The Living World OR Quantitative Reasoning	6		
TBD		The Earth and Planetary Systems or The Living World OR Quantitative Reasoning	6		
TBD		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 OR 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	
PHIL 130	Ethics	Our Values	6		
TBD		Our Engagement	6		
				CREDITS	12 ECTS
GENERAL EDUCATION FREE ELECTIVE					
COURSE	COURSE NAME	NOTE	ECTS	GRADE	
TBD		Any General Education course	6		
				CREDITS	6 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	246 ECTS