



**LEBANESE
INTERNATIONAL
UNIVERSITY**

Major Title: Masters of Science in Computer and Communication Engineering
Major Code: MCCE
Level: graduate
Number Of Credits: 52
Date: 18-05-2017

Masters of Science in Computer and Communication Engineering (MCCE)

First Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
EENG527	Digital Signal Processing	3		
EENG537	Digital Communications	3		
ENGG510	Methods of Optimization	3		
CENG505	Computer Architecture	3		CENG505L
CENG505L	Computer Architecture Lab	1		CENG505
Total		13		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
EENG587	Wireless Communication	3		
EENG577	Advanced Digital Communications	3	EENG537	
CENG557	Advanced Network Architectures	3		CENG557L
	Major Elective	1		
CENG557L	Advanced Network Architectures Lab	1		CENG557
	Major Elective	3		
Total		14		

Second Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
	Major Elective	3		
CENG695A	Master Thesis(Part I)	3	EENG537-EENG527-CENG557-CENG505-ENGG510	
CENG644	Image Processing	3		
EENG637L	Advanced Digital Communication Lab	1	EENG577-EENG537	CENG645
CENG645	Mobile Communication	3	EENG587	
Total		13		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
CENG695B	Master Thesis(Part II)	3	CENG695A	
	General Education Electives	3		
	Major Elective	3		
	Major Elective	3		
Total		12		

Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
CENG564	Advanced Signal Processing with FPGA	3		
CENG564L	Advanced Signal Processing with FPGA Lab	1		
CENG565	Embedded Systems and Applications	3		
CENG565L	Embedded Systems and Applications Lab	1		CENG505L

CENG625	Cryptography & Advanced Computer Security	3		CENG505
CENG643	Distributed Systems and Network Programming	3		
CENG646	Data Mining	3	EENG537	
CENG655	Queueing Theory	3		CENG557L
CENG675	Multimedia Networks	3		
CENG677	Fiber Optics	3		CENG557
CENG688	Wireless Sensor Networks	3		