



**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)

### Major Electives

Code	Title	Credits	Prerequisites	Corequisites
	Major Elective	3		
	Major Elective	3		
	Major Elective	3		
	Major Elective	1		
	Major Elective	3		
Total		13		

### Major Requirements

Code	Title	Credits	Prerequisites	Corequisites
CENG505	Computer Architecture	3		CENG505L
CENG505L	Computer Architecture Lab	1		CENG505
CENG557	Advanced Network Architectures	3		CENG557L
CENG557L	Advanced Network Architectures Lab	1		CENG557
CENG644	Image Processing	3		
CENG645	Mobile Communication	3	EENG587	
CENG695A	Master Thesis(Part I)	3	EENG537-EENG527-CENG557-CENG505-ENGG510	
CENG695B	Master Thesis(Part II)	3	CENG695A	
EENG527	Digital Signal Processing	3		
EENG537	Digital Communications	3		
EENG577	Advanced Digital Communications	3	EENG537	
EENG587	Wireless Communication	3		
EENG637L	Advanced Digital Communication Lab	1	EENG577-EENG537	CENG645
ENGG510	Methods of Optimization	3		
Total		36		

### General Education Electives

Code	Title	Credits	Prerequisites	Corequisites
	General Education Electives	3		
Total		3		

### Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
CENG564	Advanced Signal Processing with FPGA	3		CENG564L
CENG564L	Advanced Signal Processing with FPGA Lab	1		CENG564
CENG565	Embedded Systems and Applications	3		CENG565L
CENG565L	Embedded Systems and Applications Lab	1		CENG565
CENG625	Cryptography & Advanced Computer Security	3	ENGG510	
CENG643	Distributed Systems and Network Programming	3	CENG557	
CENG646	Data Mining	3	ENGG510	
CENG655	Queueing Theory	3	CENG557	

CENG675	Multimedia Networks	3	CENG644	
CENG677	Fiber Optics	3	CENG645	
CENG688	Wireless Sensor Networks	3	CENG557	