



**Masters of Science in Computer and Communication Engineering (MCCE)**

**First Year**

**Fall Semester**

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

**Spring Semester**

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

**Second Year**

**Fall Semester**

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

**Spring Semester**

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

**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		
CENG643	Distributed Systems and Network Programming	3		CENG557

CENG646	Data Mining	3		ENGG510
CENG655	Queueing Theory	3		CENG557
CENG675	Multimedia Networks	3		CENG557
CENG677	Fiber Optics	3		CENG557
CENG688	Wireless Sensor Networks	3	CENG557	