

MCCE

First Year-Sophomore (27 Credits)

Fall Semester (13 Credits-Hours)

Course Code	Course Title	Crs.	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

Spring Semester (14 Credit-Hours)

Course Code	Course Title	Crs.	Prerequisites	Co-requisites
EENG587	Wireless Communication	3	EENG537	
EENG577	Advanced Digital Communications	3	EENG537	
CENG557	Advanced Network Architectures	3		CENG557L
	Elective	1		
CENG557L	Advanced Network Architectures Lab	1		CENG557
	Elective	3		

Second Year-Sophomore (25 Credits)

Fall Semester (13 Credit-Hours)

Course Code	Course Title	Crs.	Prerequisites	Corequisites
	Elective	3		
CENG645	Mobile Communication	3	EENG587	
CENG644	Image Processing	3		
CENG695A	Master Thesis (Part I)	3	EENG537,EENG527,CENG557,	
EENG637L	Advanced Digital Communication Lab	1	EENG577,EENG537	CENG645

Spring Semester (12 Credit-Hours)

Course Code	Course Title	Crs.	Prerequisites	Corequisites
	Elective	3		
	Elective	3		
	Elective	3		
CENG695B	Master Thesis (Part II)	3	CENG695A	

Major Elective Courses

Course Code	Course Title	Crs.	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		CENG557	