

**FACULTY OF ARCHITECTURE AND ENGINEERING**  
**DEPARTMENT OF COMPUTER ENGINEERING**  
**MASTER OF SCIENCE IN ELECTRONICS AND COMMUNICATION ENGINEERING**

**First Year**

**First Semester**

COURSES		Course Type	Compulsory /Elective	Weekly Course Distribution				Epoka Credits	Semestral Lecture and studying hours					ECTS	
Code	Course Name			Theory	Pract.	Lab.	Total		Lect.	Pract.	Lab.	Site W.	Other		Total
CEN 409	Research Methods	A	Compulsory	3	2	0	5	4	48	32	0	107.5	0	187.5	7.5
ECE 512	Digital Communication Systems	B	Compulsory	3	2	0	5	4	48	32	0	107.5	0	187.5	7.5
ECE xxx	Elective	B	Elective	3	2	0	5	4	48	32	0	107.5	0	187.5	7.5
ECE xxx	Elective	B	Elective	3	2	0	5	4	48	32	0	107.5	0	187.5	7.5
Semestral Total				12	8	0	20	16	192	128	0	430	0	750	30

**First Year**

**Second Semester**

COURSES		Course Type	Compulsory /Elective	Weekly Course Distribution				Epoka Credits	Semestral Course and studying hours					ECTS	
Code	Course Name			Theory	Pract.	Lab.	Total		Lect.	Pract.	Lab.	Site W.	Other		Total
CEN 545	Advanced Numerical Methods	A	Compulsory	3	2	0	5	4	48	32	0	107.5	0	187.5	7.5
ECE 520	Integrated Systems	B	Compulsory	3	2	0	5	4	48	32	0	107.5	0	187.5	7.5
ECE xxx	Elective	B	Elective	3	2	0	5	4	48	32	0	107.5	0	187.5	7.5
ECE xxx	Elective	D	Elective	3	2	0	5	4	48	32	0	107.5	0	187.5	7.5
Semestral Total				12	8	0	20	16	192	128	0	430	0	750	30

**Second Year**

**Third Semester**

COURSES		Course Type	Compulsory /Elective	Weekly Course Distribution				Epoka Credits	Semestral Lecture and studying hours					ECTS	
Code	Course Name			Theory	Pract.	Lab.	Total		Lect.	Pract.	Lab.	Site W.	Other		Total
ECE 590	Term Project	F	Compulsory	1	4	0	5	5.5	16	144	0	215	0	187.5	7.5
ECE xxx	Elective	B	Elective	3	2	0	5	4	48	32	0	107.5	0	187.5	7.5
ECE xxx	Elective	B	Elective	3	2	0	5	4	48	32	0	107.5	0	187.5	7.5
ECE xxx	Elective	B	Elective	3	2	0	5	4	48	32	0	107.5	0	187.5	7.5
Semestral Total				7	13	0	20	13.5	112	208	0	430	0	750	30

**Second Year  
Fourth Semester**

COURSES		Course Type	Compulsory /Elective	Weekly Course Distribution				Epoka	Semestral Course and studying hours					ECTS	
Code	Course Name			Theory	Pract.	Lab.	Total	Credits	Lect.	Pract.	Lab.	Site W.	Other		Total
CEN 500	Thesis	F	Compulsory	0	0	0	0	0	0	0	0	750	0	750	30
Semestral Total				0	0	0	0	0	0	0	0	750	0	750	30

**List of Elective courses:**

Course Cod	Course Name	T	P	C	ECTS
ECE 433	Introduction to Neural Networks	3	2	4	7.5
ECE 439	Electronics for Bioengineering Applications	3	2	4	7.5
ECE 445	Advanced Optical Communication	3	2	4	7.5
ECE 464	Automatic Control Systems	3	2	4	7.5
ECE 468	Computer Vision	3	2	4	7.5
ECE 472	Special Topics in Artificial Intelligence	3	2	4	7.5
ECE 478	Industrial Electronics	3	2	4	7.5
ECE 483	Computer Architecture	3	2	4	7.5
ECE 533	Advanced Antenna Theory	3	2	4	7.5
ECE 537	Advanced Topics in Mobile Cellular Communication Systems	3	2	4	7.5
ECE 541	Design of Embedded Systems	3	2	4	7.5