

**COMPUTER ENGINEERING MASTER OF SCIENCE (MS.) PROGRAM with THESIS**

<b>First Semester</b>						
<b>Code</b>	<b>Course Name</b>	<b>Type</b>	<b>T</b>	<b>U</b>	<b>Credit</b>	<b>ECTS</b>
ARS 502	Scientific Resesarch Techniques and Publication Ethics	C	3	0	3	7,5
	Compulsory Elective	C	3	0	3	7,5
	Elective	C	3	0	3	7,5
	Elective	C	3	0	3	7,5
<b>Second Semester</b>						
	Compulsory Elective	C	3	0	3	7,5
	Compulsory Elective	C	3	0	3	7,5
	Elective	C	3	0	3	7,5
	Elective	C	3	0	3	7,5
<b>Third Semester</b>						
CENG 591	Graduate seminar	C	3	0	0	0,0
CENG 500	Special Topics	C	0	0	0	30,0
<b>Fourth Semester</b>						
CENG 500	Special Topics	C	0	0	0	30,0
<b>TOTAL:</b>						<b>120,0</b>

<b>Compulsory Elective Courses</b>						
CENG 501	Design and Analysis of Algorithms	E	3	0	3	7,5
CENG 531	Advanced Computer Graphics	E	3	0	3	7,5
CENG 533	Image Processing and Fuzzy Logic	E	3	0	3	7,5
CENG 541	Computer vision & pattern recognition	E	3	0	3	7,5
CENG 561	Cloud Computing	E	3	0	3	7,5
<b>Elective Courses</b>						
SENG 501	Software Engineering	E	3	0	3	7,5
SENG 521	Software Project Management	E	3	0	3	7,5
SENG 561	Human Computer Interaction	E	3	0	3	7,5
AIE 501	Artificial Intelligence	E	3	0	3	7,5
AIE 511	Machine Learning	E	3	0	3	7,5
AIE 521	Deep Learning	E	3	0	3	7,5