

**CIVIL ENGINEERING MSc Program (with Thesis)**

<b>REMEDIAL COURSES</b>				
<b>Dept.</b>	<b>Code</b>	<b>Course Name</b>	<b>CR.</b>	<b>ECTS</b>
CE	221	Construction Materials	NC	
CE	236	Mechanics of Materials	NC	
CE	351	Fluid Mechanics	NC	
CE	341	Soil Mechanics	NC	
CE	372	Construction Management	NC	
CE	381	Structural Analysis	NC	
CE	382	Reinforced Concrete	NC	
CE	493	Design of Structural Steel Members	NC	
CE	441	Foundation Engineering	NC	
CE	488	Introduction to Earthquake Engineering	NC	
CE	491	Design of Reinforced Concrete Structures	NC	
<b>PROGRAM COURSES</b>				
<b>Dept.</b>	<b>Code</b>	<b>Course Name</b>	<b>CR.</b>	<b>ECTS</b>
		Departmental Elective I	3	10
		Departmental Elective II	3	10
		Departmental Elective III	3	10
		Departmental Elective IV	3	10
		Area Elective I	3	10
		Free Elective I	3	10
		Free Elective II	3	10
CE	590	Research Seminar	NC	2
CE	600	M.Sc. Thesis	NC	60
		TOTAL	21	132
<b>EXTRA/NON-DEGREE COURSES</b>				
<b>Dept.</b>	<b>Code</b>	<b>Course Name</b>	<b>CR.</b>	<b>ECTS</b>
		Extra/Non-degree	NC	

<b>Course Group</b>	<b>Description</b>
Departmental Elective I-IV	Civil Engineering courses under the GSNAS.
Area Elective I	BTEC 550, ESYE 501.
Free Elective I-II	Unrestricted, by approval of advisor and CE department.
Extra/Non-degree	Optional non-credit (NC) courses that are not part of the program.
Remedial Courses	Undergraduate level courses offered by department.