



**MATERIALS AND NANOTECHNOLOGY 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>
MSN	220	Materials Characterization I	NC	
MSN	230	Transport Phenomena	NC	
MSN	240	Phase Diagrams	NC	
MSN	260	Mechanical Behavior of Materials	NC	
MSN	221	Materials Characterization II	NC	
MSN	301	Materials Production Processes-I	NC	
MSN	302	Materials Production Processes-II	NC	
<b>PROGRAM COURSES</b>				
<b>Dept.</b>	<b>Code</b>	<b>Course Name</b>	<b>CR.</b>	<b>ECTS</b>
MSN	501	Fundamentals of Materials Science	3	10
BTEC	550	Methods in Scientific Research	3	10
MSN	502	Fundamentals of Nanoscience and Nanotechnology	3	10
		Departmental Elective I	3	10
		Departmental Elective II	3	10
		Departmental Elective III	3	10
		Departmental Elective IV	3	10
MSN	560	MSc Thesis	NC	60
MSN	590	Research Seminar	NC	2
		<b>TOTAL</b>	<b>21</b>	<b>132</b>
<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	Materials and Nanotechnology courses under the GSNAS
Extra/Non-degree	Optional non-credit (NC) courses that are not part of the program
Remedial Courses	Undergraduate level courses offered by department.