

**MUĞLA SITKI KOÇMAN ÜNİVERSİTESİ / MÜHENDİSLİK FAKÜLTESİ**  
**DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING**  
**METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ**  
**EĞİTİM-ÖĞRETİM PROGRAMI**

Ders Kodu	Ders Adı			Kredi					Z/S	Ön Koşul	Yan Koşul
				T	U	L	K				
CENG 1801	IT for Engineers	1	1	3	0	0	4	Z			
CHEM 1851	General Chemistry I	1	1	3	0	2	6	Z			
ENG 1801	Academic Writing and Oral Presentation Skills I	1	1	2	2	0	4	Z			
MATH 1851	Calculus I	1	1	4	2	0	6	Z			
MME 1003	History of Metallurgy	1	1	2	0	0	2	Z			
PHYS 1851	General Physics I	1	1	3	0	2	6	Z			
TDB 1801	Turkish I	1	1	2	0	0	2	Z			
							<b>AKTS</b>	<b>30</b>			

				T	U	L	K	Z/S	Ön Koşul	Yan Koşul
CHEM 1852	General Chemistry II	1	2	3	0	2	6	Z		
ENG 1802	Academic Writing and Oral Presentation Skills II	1	2	2	2	0	4	Z		
MATH 1852	Calculus II	1	2	4	2	0	6	Z		
MME 1004	Materials in Practice	1	2	3	0	0	3	Z		
PHYS 1852	General Physics II	1	2	3	0	2	6	Z		
TDB 1802	Turkish II	1	2	2	0	0	2	Z		
	Free Elective (BDS/BIS)	1	2				3	S		
							<b>AKTS</b>	<b>30</b>		

				T	U	L	K	Z/S	Ön Koşul	Yan Koşul
ATB 2801	Principles of Kemal Ataturk I	2	3	2	0	0	2	Z		
ENG 2801	Academic Writing and Oral Presentation Skills III	2	3	3	0	0	4	Z		
MATH 2853	Differential Equations	2	3	3	0	0	4	Z		
MME 2007	Mechanical Behavior of Materials	2	3	3	0	0	4	Z		
MME 2009	Metallurgical Thermodynamics I	2	3	2	1	0	5	Z		
MME 2011	Ceramic Materials I	2	3	3	0	2	4	Z		
	Technical Elective (BIS)	2	3				7	S		
MME 2505	Nano Materials and Nano Technology	2	3	3	0	0	4	S		
MME 2507	Metallurgy in Turkey	2	3	2	0	0	3	S		
MME 2509	Materials Processing Laboratory	2	3	0	1	4	4	S		
MME 2511	Glass and Glass-Ceramics	2	3	3	0	0	4	S		
							<b>AKTS</b>	<b>30</b>		

				T	U	L	K	Z/S	Ön Koşul	Yan Koşul
ATB 2802	Principles of Kemal Ataturk II	2	4	2	0	0	2	Z		
MATH 2854	Basic Linear Algebra for Engineers	2	4	3	0	0	4	Z		
MME 2010	Metallurgical Thermodynamics II	2	4	2	1	0	5	Z	MME 2009	
MME 2012	Ceramic Materials II	2	4	3	0	2	4	Z	MME 2011	
	Technical Elective (BIS)	2	4				12	S		
	Free Elective (BDS/BIS)	2	4				3	S		
MME 2504	Heat Treatment of Materials	2	4	3	0	0	4	S		
MME 2506	Refractory Materials	2	4	3	0	0	4	S		
MME 2508	Polymeric Materials	2	4	3	0	0	4	S		
MME 2510	Electronic and Optical Properties of Materials	2	4	3	0	0	4	S		
							<b>AKTS</b>	<b>30</b>		

				T	U	L	K	Z/S	Ön Koşul	Yan Koşul
MME 3000	Summer Practice I	3	5	0	0	0	4	Z		
MME 3003	Solidification and Casting I	3	5	3	0	0	4	Z		
MME 3005	Physical Metallurgy I	3	5	3	0	0	4	Z		
MME 3007	Transport Phenomena	3	5	2	1	0	5	Z		
MME 3009	Chemical Metallurgy I	3	5	3	0	0	4	Z		
MME 3011	Materials Characterization Techniques I	3	5	4	0	2	5	Z		
MME 3013	Composite Materials	3	5	3	0	0	4	Z		
MME 3507	Materials and Energy Balance	3	5	2	2	0	4	S	MME 2009	
MME 3509	Alloys I	3	5	3	0	0	4	S		
							<b>AKTS</b>	<b>30</b>		

				T	U	L	K	Z/S	Ön Koşul	Yan Koşul
MME 3004	Solidification and Casting II	3	6	3	0	0	4	Z		
MME 3006	Physical Metallurgy II	3	6	3	0	0	4	Z		
MME 3008	Phase Diagrams	3	6	3	0	0	5	Z		
MME 3010	Chemical Metallurgy II	3	6	3	0	0	4	Z		
MME 3012	Materials Characterization Techniques II	3	6	4	0	2	5	Z		
	Technical Elective (BIS)	3	6				8	S		
MME 3516	Failure Analysis	3	6	3	0	0	4	S		
MME 3518	Powder Metallurgy	3	6	3	0	0	4	S		
MME 3520	Alloys II	3	6	3	0	0	4	S		
							<b>AKTS</b>	<b>30</b>		

				T	U	L	K	Z/S	Ön Koşul	Yan Koşul
MME 4000	Summer Practice II	4	7	3	0	0	4	Z		
MME 4007	Material Selection and Design	4	7	3	2	0	5	Z		
MME 4009	Application of Materials Processing and Design I	4	7	0	4	0	2	Z		
MME 4013	Materials Characterization Techniques III	4	7	3	0	0	4	Z		
	Technical Elective (BIS)	4	7				12	S		
	Free Elective (BDS/BIS)	4	7				3	S		
MME 4509	Advanced Ceramic Materials	4	7	3	0	0	4	S		
MME 4511	Joining and Welding of Materials	4	7	3	0	0	4	S		
MME 4513	Iron and Steel Production	4	7	3	0	0	4	S		
MME 4515	Surface Modification Techniques	4	7	3	0	0	4	S		
							<b>AKTS</b>	<b>30</b>		

				T	U	L	K	Z/S	Ön Koşul	Yan Koşul
MME 4006	Application of Materials Processing and Design II	4	8	0	6	0	6	Z	MME 4009	
MME 4008	Corrosion and Corrosion Protection	4	8	3	0	0	4	Z		
	Technical Elective (BIS)	4	8				20	S		
MME 4506	Biomaterials	4	8	3	0	0	4	S		
MME 4512	Archaeometallurgy	4	8	3	0	0	4	S		
MME 4514	Plasticity and Deformation Process	4	8	3	0	0	4	S		
MME 4516	Coating Processes and Evaluation of Turbine Parts Coatings	4	8	3	0	0	4	S		
MME 4518	Phase Transformations	4	8	3	0	0	4	S		
							<b>AKTS</b>	<b>30</b>		

<b>Mezuniyet için alınması gereken minimum AKTS</b>		<b>240</b>
<b>Minimum ECTS Credit for Graduation</b>		
<b>Zorunlu Dersler AKTS / Required Course ECTS</b>	<b>Ortak Zorunlu / Common Required</b>	<b>8</b>
	<b>Zorunlu / Required</b>	<b>164</b>
<b>Seçimli Dersler AKTS / Elective Courses</b>	<b>Teknik Seçmeli / Technical Elective (BİS)</b>	<b>59</b>
	<b>Serbest Seçmeli / Free Elective</b>	<b>9</b>

<b>NOT 1:</b>	Seçmeli derslerin kredisi birden fazla ders alınarak sağlanabilir. Seçmeli derslerde (BİS/BDS) döneminde alınma şartı aranmaz.
<b>NOT 2:</b>	Öğrencilerin mezun olabilmesi için 9 AKTS'lik serbest seçmeli ders alması gerekmektedir. Serbest seçmeli dersler döneminde alınma şartı aranmaksızın Bölüm Dışı Seçmeli (BDS) / Bölüm İçi Seçmeli (BİS) dersleri arasından seçilebilir.