

Tıp Mühendisliği Öğretim Programı

1. Yarıyıl						2. Yarıyıl					
Ders Kodu	Dersin Adı	Teorik	Uygulama	Kredi	AKTS	Ders Kodu	Dersin Adı	Teorik	Uygulama	Kredi	AKTS
CHE 101	General Chemistry	3	0	3	6	MEG 102	Biological Sciences for Engineering	3	0	3	6
CHE 111	General Chemistry Laboratory	0	3	1,5	2	MAT 102	Calculus II	3	2	4	6
MAT 101	Calculus I	3	2	4	6	PHY 102	Physics II	3	2	4	6
PHY 101	Physics I	3	2	4	6	ENG 106	English for Academic Purposes	2	2	3	5
ENG 105	English for Academic Purposes	2	2	3	5	MEG 104	Technical Drawing	3	0	3	5
MEG 101	Introduction to Medical Engineering	2	0	2	2	TUR 102	Turkish Language II	2	0	2	1
TUR 101	Turkish Language I	2	0	2	1	ATA 102	Principles of Atatürk and History of Turkish Revolution II	2	0	2	1
ATA 101	Principles of Atatürk and History of Turkish Revolution I	2	0	2	1						
MEG 105	Humanities in Science	1	0	1	1						
3. Yarıyıl						4. Yarıyıl					
Ders Kodu	Dersin Adı	Teorik	Uygulama	Kredi	AKTS	Ders Kodu	Dersin Adı	Teorik	Uygulama	Kredi	AKTS
MAT 201	Linear Algebra	3	2	4	6	MAT 202	Differential Equations	3	2	4	6
MEG 203	Algorithms and Programming	3	2	4	6	MEG 204	Medical Informatics	3	0	3	5
MEG 205	Human Anatomy and Physiology	4	0	4	6	MEG 206	Engineering Ethics	3	0	3	5
MEG 207	Economics for Engineering	3	0	3	5	MEG 208	Probability and Biostatistics	3	2	4	6
MEG 209	Point of Care Technologies	3	2	4	6	MEG 212	Professional Enrichment	0	3	1,5	2
MEG 211	Clinical Internship	0	3	1,5	2	MEG 214	Biomechanics	3	2	4	6
						MEG 299	Summer Internship 0+160 hr 20 business days	0	160	0	5
5. Yarıyıl						6. Yarıyıl					
Ders Kodu	Dersin Adı	Teorik	Uygulama	Kredi	AKTS	Ders Kodu	Dersin Adı	Teorik	Uygulama	Kredi	AKTS
MEG 303	Signals and Systems	4	0	4	6	MEG 302	Biomedical Test Methodologies	3	2	4	6
MEG 305	Systems Physiology	3	0	3	6	MEG 304	Medical Imaging	3	0	3	6
MEG 307	Biomaterials	3	2	4	6	MEG 308	Characterization Methods for Biomaterials	3	2	4	6
MEG 309	Optimization	3	0	3	5	MEG 310	Project Management	3	0	3	5
MEG 311	Electrical And Electronic Circuits	3	2	4	6	MEG 312	Medical Electronics	3	2	4	6
ACU XXX	Elective Course I	2	0	2	1	ACU XXX	Elective Course II	2	0	2	1
						MEG 398	Summer Internship 0+160 hr 20 business days	1	160	0	5
7. Yarıyıl						8. Yarıyıl					
Ders Kodu	Dersin Adı	Teorik	Uygulama	Kredi	AKTS	Ders Kodu	Dersin Adı	Teorik	Uygulama	Kredi	AKTS
MEG 401	Senior Design Project I	0	4	2	10	MEG 402	Senior Design Project II	0	4	2	10
MEG 403	Quality Management in Healthcare Systems	3	0	3	5	MEG 404	Technology Innovation	3	0	3	5
MEG 405	Biodesign	2	2	3	5	MEG 406	Patient Safety and Risk Management	3	0	3	5
MEG 4XX	Technical Elective	3	0	3	5	MEG 4XX	Technical Elective	3	0	3	5
MEG 4XX	Technical Elective	3	0	3	5	MEG 4XX	Technical Elective	3	0	3	5