



FACULTY OF AVIATION AND SPACE SCIENCES
DEPARTMENT OF AERONAUTICAL ENGINEERING

Start Date of the Program 01.09.2016

1st Semester										2nd Semester									
CODE	COURSE NAME	DERS ADI	C/E	T	P	C	E	Preq	CODE	COURSE NAME	DERS ADI	C/E	T	P	C	E	Preq		
MTH101	Calculus I	Analiz I	C	4	0	4	5		MTH102	Calculus II	Analiz II	C	4	0	4	6	MTH101		
AER101	Introduction to Aeronautical Engineering	Uçak Mühendisliğine Giriş	C	2	0	2	3		CMP101	Programming Application for Engineers	Mühendisler için Programlama Uygulaması	C	2	2	3	5			
ENG101	English I	İngilizce I	C	3	0	3	4		ENG102	English II	İngilizce II	C	3	0	3	4	ENG101		
PHY101	Physics I	Fizik I	C	3	2	4	6		PHY102	Physics II	Fizik II	C	3	2	4	6	PHY101		
CHE105	General Chemistry	Genel Kimya	C	3	2	4	6		MTH112	Linear Algebra	Lineer Cebir	C	3	0	3	4			
MEC101	Technical Drawing I	Teknik Çizim I	C	2	2	3	5		TUR152*	Turkish II: Oral Expression	Türkçe II: Sözlü Anlatım	C	2	0	0	2	TUR151		
TUR151*	Turkish I: Written Expression	Türkçe I: Yazılı Anlatım	C	2	0	0	2		YIT152**	Turkish for International Students II	Uluslararası Öğrenciler için Türkçe II	C	2	0	0	2	YIT151		
YIT151**	Turkish for International Students I	Uluslararası Öğrenciler için Türkçe I	C	2	0	0	2		AER104	Fundamentals of Engineering and Ethics	Mühendisliğin Temelleri ve Etik	C	2	0	2	3			
Total			7	19	6	20	33		Total			7	19	4	19	32			
										Year 1- Summer School									
										CODE	COURSE NAME	DERS ADI	C/E	T	P	C	E	Preq	
										AER120	Internship I	Staj I	C	0	0	0	0		
3rd Semester										4th Semester									
CODE	COURSE NAME	DERS ADI	C/E	T	P	C	E	Preq	CODE	COURSE NAME	DERS ADI	C/E	T	P	C	E	Preq		
MTH201	Differential Equations	Diferansiyel Denklemler	C	4	0	4	6	MTH102	AER306	Fluid Mechanics	Akışkanlar mekaniği	E	3	0	3	4	MTH201/MEC207		
MEC205	Material Science	Malzeme Bilimi	C	3	0	3	4	CHE105	AER208	Manufacturing Processes	İmal İşlemleri	C	3	0	3	4	MEC205		
MEC203	Statics	Statik	C	3	0	3	5	PHY101	MEC204	Dynamics	Dinamik	C	3	0	3	5	MEC203		
MEC207	Thermodynamics I	Termodinamik I	C	3	0	3	5	PHY101	MEC208	Thermodynamics II	Termodinamik II	C	3	0	3	4	MEC207		
GE****	General Elective	Genel Seçmeli	E	3	0	3	4		AER214	Mechanics of Materials	Malzemelerin Mekaniği	C	3	0	3	5	MEC203		
AER213	Engineering Experimentation	Mühendislik Deneyi	C	2	2	3	5		AER204	Electrics and Electronics	Elektrik ve Elektronik	C	3	2	4	6	PHY102		
AER200	Undergraduate Seminar I	Lisans Semineri I	C	0	0	0	1												
Total			7	18	2	19	30		Total			6	18	2	19	28			
										Year 2- Summer School									
										CODE	COURSE NAME	DERS ADI	C/E	T	P	C	E	Preq	
										AER220	Internship II	Staj II	C	0	0	0	0	AER120	
5th Semester										6th Semester									
CODE	COURSE NAME	DERS ADI	C/E	T	P	C	E	Preq	CODE	COURSE NAME	DERS ADI	C/E	T	P	C	E	Preq		
MTH301	Numerical Analysis for Engineers	Mühendisler İçin Sayısal Analiz	C	3	0	3	5	MTH201	MTH312	Probability and Statistics	Olasılık ve İstatistik	C	3	0	3	5	MTH102		
AER333	Aerospace Structures	Hava-Uzay Yapıları	C	3	0	3	4	AER214	AER311	Gas Dynamics	Gaz Dinamiği	C	3	0	3	4	AER334/MEC208		
TE***	Technical Elective	Teknik Seçmeli	E	3	0	3	4		AER324	Flight Mechanics	Uçuş Mekaniği	C	3	0	3	4	AER306		
GE	General Elective	Genel Seçmeli	C	3	0	3	4		AER302	Control Systems	Kontrol Sistemleri	C	3	0	3	4			
EEE341	Signal and System Analysis	Sinyal ve Sistem Analizi	C	3	0	3	4	AER204	TE	Technical Elective	Teknik Seçmeli	E	3	0	3	4			
AER334	Aerodynamics I	Aerodinamik I	C	3	2	4	6	AER306	MEC301	Heat and Mass Transfer	Isı Transferi	C	3	0	3	4	AER306/MEC2		
AIT151*	Principles of Atatürk and the History of Turkey	Atatürk İlkeleri ve İnkılap Tarihi I	C	2	0	0	2		AIT152*	Principles of Atatürk and the History of Turkey	Atatürk İlkeleri ve İnkılap Tarihi II	C	2	0	0	2	AIT151		
AIT153**	History for International Students I	Uluslararası Öğrenciler için Tarih I	C	2	0	0	2		AIT154**	History for International Students II	Uluslararası Öğrenciler için Tarih II	C	2	0	0	2	AIT153		
AER300	Undergraduate Seminar II	Lisans Semineri II	C	0	0	0	1	AER200											
Total			8	21	2	19	32		Total			7	20	0	18	29			
7th Semester										8th Semester									
CODE	COURSE NAME	DERS ADI	C/E	T	P	C	E	Preq	CODE	COURSE NAME	DERS ADI	C/E	T	P	C	E	Preq		
AER422	Flight Stability & Control	Uçuş Kararlılığı ve Kontrolü	C	3	0	3	4	AER324	AER452	Aircraft Design	Uçak Tasarımı	C	3	2	4	6	AER324,AER334		
AER438	Modeling and Simulation	Modelleme ve Simülasyon	C	3	0	3	4		AER434	Aerospace Propulsion	Hava-Uzay İtki Sistemleri	C	3	0	3	4	AER311		
TE	Technical Elective	Teknik Seçmeli Ders	E	3	0	3	4		TE	Technical Elective	Teknik Seçmeli Ders	E	3	0	3	5			

TE	Technical Elective	Teknik Seçmeli Ders	E	3	0	3	4		TE	Technical Elective	Teknik Seçmeli Ders	E	3	0	3	5	
TE	Technical Elective	Teknik Seçmeli Ders	E	3	0	3	5		TE	Technical Elective	Teknik Seçmeli Ders	E	3	0	3	5	
GE	General Elective	Genel Seçmeli	E	3	0	3	5		AER400	Graduation Design Project	Mezuniyet Tasarım Projesi	C	0	6	3	5	
Total			6	18	0	18	26		Total			6	15	8	19	30	

Total No. of Courses	54
Total No. of Electives	10
Total No. of Credits	151

Percentage of Electives	22
Total ECTS	240

Key:

C/E: Compulsory/Elective (Please indicate)

T: Hours of Theoretical Study

P: Hours of Practice/Lab

C: Credits

E: ECTS

- * KKTC ve TC Seçmeli Ders
- ** Uluaslararası Öğrenciler için Açılan Dersler
- *** Teknik Seçmeli Ders
- **** Genel Seçmeli Ders