

Eskişehir Osmangazi University Aeronautical Engineering Department Beginning of 2024-2025 Fall Semester, Undergraduate Curriculum											
Course Code	Course Name	T	P	C	ECTS	Course Code	Course Name	T	P	C	ECTS
1. SEMESTER	FIRST YEAR FALL	22	4	24	30	2. SEMESTER	FIRST YEAR SPRING	21	4	23	30
152411004	PHYSICS I	3	0	3	3	152412001	PHYSICS II	3	0	3	3
152411005	PHYSICS I LAB.	0	2	1	2	152412002	PHYSICS II LAB.	0	2	1	2
152411006	CALCULUS I	4	0	4	5	152412003	CALCULUS II	4	0	4	5
152411007	CHEMISTRY	3	0	3	3	152412004	FUNDAMENTALS OF COMPUTER PROGRAMMING	2	2	3	5
152411012	INTRODUCTION TO AERONAUTICAL ENG.	2	0	2	2	152412011	STATICS	3	0	3	4
152411008	TECHNICAL ENGLISH	2	0	2	2	152412007	ACADEMIC WRITING	3	0	3	4
152411013	COMPUTER AIDED DRAWING	2	2	3	6	152412012	OCCUPATIONAL HEALTH AND SAFETY (II)	2	0	2	2
152411014	OCCUPATIONAL HEALTH AND SAFETY (I)	2	0	2	2	152412010	TURKISH LANGUAGE II	2	0	2	2
152411015	TURKISH LANGUAGE I	2	0	2	2	SE II POOL	SOCIAL ELECTIVE (II)	2	0	2	3
SE I POOL	SOCIAL ELECTIVE (I)	2	0	2	3						
SE I POOL	SOCIAL ELECTIVE I	T	P	C	ECTS	SE II POOL	SOCIAL ELECTIVE II	T	P	C	ECTS
801211064	TENNIS EDUCATION I	2	0	2	3	801212063	MEDIA LITERACY II	2	0	2	3
801211065	CRITICAL READING AND WRITING	2	0	2	3	801212062	HISTORY OF ENGINEERING II	2	0	2	3
801211067	CURRENT ISSUES I	2	0	2	3	801212069	THE SUFI WAY	2	0	2	3
801211063	MEDIA LITERACY I	2	0	2	3	801212064	CURRENT ISSUES II	2	0	2	3
801211066	HISTORY OF SPORTS I	2	0	2	3	801212003	HISTORY OF SPORTS II	2	0	2	3
801211072	HISTORY OF ENGINEERING I	2	0	2	3	801212061	TENNIS EDUCATION II	2	0	2	3
801211062	CRITICAL PEDAGOGY	2	0	2	3	801212060	CUTTING-EDGE RESEARCH IN ENGINEERING II	2	0	2	3
801211073	MUSLIM SAINTS AND MYSTICS	2	0	2	3						
801211068	CUTTING-EDGE RESEARCH IN ENGINEERING I	2	0	2	3						

To learn how to select “Social Elective” courses, please refer to the bottom of the page.



Course Code	Course Name	T	P	C	ECTS	Course Code	Course Name	T	P	C	ECTS
3. SEMESTER	SECOND YEAR FALL	21	0	21	30	4. SEMESTER	SECOND YEAR SPRING	20	0	20	30
152413001	DIFFERENTIAL EQUATIONS	3	0	3	5	152414001	NUMERICAL METHODS	3	0	3	4
152413002	MECHANICS OF MATERIALS	4	0	4	6	152414002	ENGINEERING THERMODYNAMICS	3	0	3	5
152413003	DYNAMICS	3	0	3	4	152414004	FLUID MECHANICS	3	0	3	5
152413004	MATERIALS SCIENCE	3	0	3	5	152414005	MEASUREMENT TECHNIQUES	3	0	3	4
152413005	FUNDAMENTALS OF ELECTRICITY AND ELECTRONICS	3	0	3	4	152414007	ATATÜRK'S PR&THE HIS.OF REV.II	2	0	2	2
152413006	LINEAR ALGEBRA	3	0	3	4	EngE I POOL	ENGINEERING ELECTIVE (I)	3	0	3	5
152413007	ATATÜRK'S PR&THE HIS.OF REV.I	2	0	2	2	EngE II POOL	ENGINEERING ELECTIVE (II)	3	0	3	5
						EngE I POOL	ENGINEERING ELECTIVE I (EngE I POOL)	T	P	C	ECTS
						152414008	AEROSPACE MATERIALS	3	0	3	5
						EngE II POOL	ENGINEERING ELECTIVE II (EngE II POOL)	T	P	C	ECTS
						152414009	MACHINE ELEMENTS	3	0	3	5

Course Code	Course Name	T	P	C	ECTS	Course Code	Course Name	T	P	C	ECTS
5. SEMESTER	THIRD YEAR FALL	21	0	21	30	6. SEMESTER	THIRD YEAR SPRING	18	0	18	30
152415001	FUNDAMENTALS OF AERODYNAMICS	3	0	3	5	152416001	COMPRESSIBLE AERODYNAMICS	3	0	3	5
152415002	HEAT TRANSFER	3	0	3	5	152416002	AEROSPACE STRUCTURES	3	0	3	5
152415003	ELASTICITY	3	0	3	4	152416003	AIRCRAFT STABILITY AND CONTROL	3	0	3	5
152415004	FUNDAMENTALS OF CONTROL SYSTEMS	3	0	3	5	152416004	PROPULSION SYSTEMS	3	0	3	5
152415006	AIRCRAFT PERFORMANCE	3	0	3	3	152416005	MECHANICAL VIBRATIONS	3	0	3	4
EngE III POOL	ENGINEERING ELECTIVE (III)	3	0	3	5	152416006	PRACTICAL TRAINING 1	0	0	0	3
NTE I POOL	NON-TECHNICAL ELECTIVE (I)	3	0	3	3	NTE II POOL	NON-TECHNICAL ELECTIVE (II)	3	0	3	3
NTE I POOL	NON-TECHNICAL ELECTIVE I	T	P	C	ECTS	NTE II POOL	NON-TECHNICAL ELECTIVE II	T	P	C	ECTS
152415007	PRODUCTION PLANNING	3	0	3	3	152416007	BEGINNING FRENCH 2	3	0	3	3
152415008	BEGINNING FRENCH 1	3	0	3	3	152416008	GERMAN 2	3	0	3	3
152415009	GERMAN 1	3	0	3	3	152416009	DECISION SUPPORT SYSTEMS	3	0	3	3
152415010	LABOUR LAW	3	0	3	3						
152415012	PROBABILITY	3	0	3	3						
EngE III POOL	ENGINEERING ELECTIVE III	T	P	C	ECTS						
152415011	MANUFACTURING TECHNOLOGIES	3	0	3	5						

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7. SEMESTER	FOURTH YEAR FALL	16	4	18	30	8. SEMESTER	FOURTH YEAR SPRING	13	6	16	30
152417001	RESEARCH IN AERONAUTICAL ENGINEERING (I)	1	4	3	5	152418001	AERONAUTICAL ENGINEERING LAB	0	2	1	2
152417002	AIRCRAFT MAINTENANCE ENGINEERING	3	0	3	5	152418002	RESEARCH IN AERONAUTICAL ENGINEERING (II)	1	4	3	5
152417003	AIRCRAFT DESIGN	3	0	3	5	152418015	PRACTICAL TRAINING 2	0	0	0	3
FSE I POOL	FIELD-SPECIFIC ELECTIVE	3	0	3	5	FSE II POOL	FIELD-SPECIFIC ELECTIVE	3	0	3	5
FSE I POOL	FIELD-SPECIFIC ELECTIVE	3	0	3	5	FSE II POOL	FIELD-SPECIFIC ELECTIVE	3	0	3	5
DE I POOL	DESIGN ELECTIVE (I)	3	0	3	5	FSE II POOL	FIELD-SPECIFIC ELECTIVE	3	0	3	5
						DE II POOL	DESIGN ELECTIVE (II)	3	0	3	5
FSE I POOL	FIELD-SPECIFIC ELECTIVE (FSE I POOL)	T	P	C	ECTS	FSE II POOL	FIELD-SPECIFIC ELECTIVE II (FSE II POOL)	T	P	C	ECTS
152417004	INTRODUCTION TO JET ENGINES	3	0	3	5	152418003	AIRCRAFT SYSTEMS	3	0	3	5
152417005	STRUCTURES OF FUSELAGE	3	0	3	5	152418004	BOUNDARY LAYER FLOWS	3	0	3	5
152417006	AVIATION AND SPACE LAW	3	0	3	5	152418005	COMPUTATIONAL AERODYNAMICS	3	0	3	5
152417009	INTRODUCTION TO TURBOMACHINERY AERODYNAMICS	3	0	3	5	152418006	CORROSION	3	0	3	5
						152418007	FAILURE ANALYSIS	3	0	3	5
						152418008	GAS TURBINE ENGINE SYSTEMS	3	0	3	5
DE I POOL	DESIGN ELECTIVE I	T	P	C	ECTS	152418009	POWER ELECTRONICS	3	0	3	5
152417007	COMPOSITE MATERIALS DESIGN	3	0	3	5	152418010	TESTING&EVALUATION OF ENGINEERING MATERIA	3	0	3	5
152417008	AIRCRAFT DESIGN WITH FINITE ELEMENT ANALYSIS	3	0	3	5	152418011	TURBULENT FLOWS	3	0	3	5
						152418016	FUNDAMENTALS OF COMBUSTION	3	0	3	5
						DE II POOL	DESIGN ELECTIVE II	T	P	C	ECTS
						152418012	ROTORCRAFT DYNAMICS AND DESIGN	3	0	3	5
						152418013	AIRCRAFT ENGINE DESIGN	3	0	3	5
						152418014	DESIGN OF CONTROL SYSTEMS	3	0	3	5

Notes:

1- This curriculum is valid for the students who enrolled in ESOGU Aeronautical Department in and after the 2024-2025 Fall semester.

2- The Social Elective courses can be selected from the list of enrolment web page during registrations as defined below. Any English course can be selected.

Yıl Dönem

2024-2025

Güz

Fakülte

REKTÖRLÜK EĞİTİM BİRİMLERİ

Bölüm

REKTÖRLÜK SOSYAL SEÇMELİ DERSLER

Sınıf

1. Sınıf