

T.C. BALIKESİR UNIVERSİTESİ
MÜHENDİSLİK FAKÜLTESİ İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ **Ders Planı [2025-2026 Müfredatı]**

1. SINIF 1. DÖNEM

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
MAT1101	MATEMATİK-I	Z	3	1	0	3,5	5
FİZ1101	FİZİK-I	Z	3	0	0	3	4
FİZ1102	FİZİK-I LAB.	Z	0	0	2	1	1
KİM1101	GENEL KİMYA	Z	3	0	0	3	4
KİM1102	GENEL KİMYA LAB.	Z	0	0	2	1	1
TRS1101	TEKNİK RESİM	Z	2	2	0	3	4
İGE1102	İNŞAAT JEOLojİSİ	Z	2	1	0	2,5	3
İNS1101	İNŞAAT MÜHENDİSLİĞİNE GİRİŞ VE MESLEK ETİĞİ	Z	2	0	0	2	2
	TOPLAM		15	4	4	19,0	24
AIT1101	ATATÜRK İLKELERİ VE İNKILAP TARİHİ-I	Z	2	0	0	2	2
TDİ1101	TÜRK DİLİ-I	Z	2	0	0	2	2
YDİ1101	YABANCI DİL-I	Z	2	0	0	2	2
	TOPLAM		21	4	4	25,0	30

2. SINIF 1. DÖNEM

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
İNS2101	YÜKSEK MATEMATİK-I	Z	3	1	0	3,5	5
İNS2102	MUKAVEMET-I	Z	3	1	0	3,5	5
İNS2103	DİNAMİK	Z	2	1	0	2,5	3
İNS2104	SAYISAL ANALİZ	Z	2	0	0	2	2
İNS2105	TOPOĞRAFYA	Z	2	2	0	3	3
İNS2106	MALZEME	Z	3	1	0	3,5	4
İNS2107	İNŞAAT MÜHENDİSLİĞİNDE TEMEL İNGİLİZCE	Z	2	1	0	2,5	4
TSD21XX	TEKNİK SEÇMELİ DERS-I	S	2	0	0	2	4
	TOPLAM		19	7	0	22,5	30

3. SINIF 1. DÖNEM

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
İNS3101	YAPI STATİĞİ-I	Z	3	1	0	3,5	4
İNS3102	ÇELİK YAPILAR-I	Z	3	1	0	3,5	4
İNS3103	TOPRAK İŞLERİ	Z	2	1	0	2,5	3
İNS3104	HİDROLİK	Z	3	1	0	3,5	4
İNS3105	ZEMİN MEKANİĞİ-II	Z	2	1	0	2,5	3
İNS3106	HİDROLOJİ	Z	2	1	0	2,5	3
MSD31XX	MESLEKİ SEÇMELİ DERS-I	S	2	1	0	2,5	5
SSD31XX	SOSYAL SEÇMELİ DERS-I	S	2	1	0	2,5	4
	TOPLAM		19	8	0	23,0	30

4. SINIF 1. DÖNEM

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
İNS4101	BETONARME-II	Z	3	1	0	3,5	4
İNS4102	YAPI DİNAMİĞİNE GİRİŞ	Z	2	1	0	2,5	3
İNS4103	LABORATUVAR-II	Z	0	0	2	1	1
İNS4104	İŞ VE İMAR HUKUKU	Z	2	0	0	2	2
MSP41XX	SEÇMELİ PROJE	S	2	1	0	2,5	5
MSD41X1	MESLEKİ SEÇMELİ DERS-IV	S	2	1	0	2,5	5
MSD41X2	MESLEKİ SEÇMELİ DERS-V	S	2	1	0	2,5	5
SSD41XX / USD-1	SOSYAL SEÇMELİ DERS-II / ÜNİVERSİTE SEÇMELİ DERSİ-I	S	2	0	0	2	3
	TOPLAM		15	5	2	18,5	28
İSG4101	İŞ SAĞLIĞI VE GÜVENLİĞİ-I	Z	2	0	0	2	2
	TOPLAM		17	5	2	20,5	30

1. SINIF 2. DÖNEM

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
MAT1202	MATEMATİK-II	Z	3	1	0	3,5	5
FİZ1201	FİZİK-II	Z	3	0	0	3	4
İNS1201	TEMEL BİLGİ TEKNOLOJİLERİ	Z	0	2	0	1	1
İNS1202	STATİK	Z	2	2	0	3	3
BİL1202	ALGORİTMA VE PROGRAMLAMAYA GİRİŞ	Z	2	1	0	2,5	3
İST1202	İSTATİSTİK	Z	2	1	0	2,5	3
İNS1203	BİLGİSAYAR DESTEKLİ ÇİZİM	Z	2	1	0	2,5	3
KRY1201	KARİYER PLANLAMA	Z	1	0	0	1	2
	TOPLAM		15	8	0	19	24
AIT1201	ATATÜRK İLKELERİ VE İNKILAP TARİHİ-II	Z	2	0	0	2	2
TDİ1201	TÜRK DİLİ-II	Z	2	0	0	2	2
YDİ1201	YABANCI DİL-II	Z	2	0	0	2	2
	TOPLAM		21	8	0	25,0	30

2. SINIF 2. DÖNEM

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
İNS2201	YÜKSEK MATEMATİK-II	Z	3	1	0	3,5	4
İNS2202	MUKAVEMET-II	Z	3	1	0	3,5	4
İNS2203	YAPI MALZEMESİ	Z	3	1	0	3,5	4
İNS2204	AKIŞKANLAR MEKANİĞİ	Z	3	1	0	3,5	4
İNS2205	ZEMİN MEKANİĞİ-I	Z	2	2	0	3	3
TSD22XX	TEKNİK SEÇMELİ DERS II	S	2	0	0	2	4
İSİ22XX	İNŞAAT MÜHENDİSLİĞİNDE SEÇMELİ İNGİLİZCE	S	2	1	0	2,5	4
STJ2200	STAJ-I	Z					3
	TOPLAM		18	7	0	21,5	30

3. SINIF 2. DÖNEM

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
İNS3201	YAPI STATİĞİ-II	Z	3	1	0	3,5	4
İNS3202	BETONARME-II	Z	3	1	0	3,5	4
İNS3203	KARAYOLU MÜHENDİSLİĞİ	Z	3	0	0	3	3
İNS3204	LABORATUVAR-I	Z	0	0	2	1	1
İNS3205	SU YAPILARI	Z	3	1	0	3,5	4
İNS3206	TEMEL İNŞAATI	Z	2	1	0	2,5	3
MSD32X1	MESLEKİ SEÇMELİ DERS-II	S	2	1	0	2,5	4
MSD32X2	MESLEKİ SEÇMELİ DERS-III	S	2	1	0	2,5	4
STJ3200	STAJ-II	Z					3
	TOPLAM		18	6	2	22,0	30

4. SINIF 2. DÖNEM

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
İNS4201	DEPREME DAYANIKLI YAPI TASARIMI	Z	2	1	0	2,5	3
İNS4202	BETONARME BİNA TASARIMI	Z	2	1	0	2,5	5
İNS4203	YAPIM YÖNETİMİ	Z	2	1	0	2,5	3
BIT42XX	İNŞAAT MÜHENDİSLİĞİNDE TASARIM	Z	2	2	0	3	4
MSD42X1	MESLEKİ SEÇMELİ DERS-VI	S	2	1	0	2,5	5
MSD42X1	MESLEKİ SEÇMELİ DERS-VII	S	2	1	0	2,5	5
SSD42XX / USD-2	SOSYAL SEÇMELİ DERS-III / ÜNİVERSİTE SEÇMELİ DERSİ-II	S	2	0	0	2	3
	TOPLAM		14	7	0	17,5	28
İSG4202	İŞ SAĞLIĞI VE GÜVENLİĞİ-II	Z	2	0	0	2	2
	TOPLAM		16	7	0	19,5	30

T.C. BALIKESİR UNIVERSİTESİ
MÜHENDİSLİK FAKÜLTESİ İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ **Ders Planı - Seçmeli Dersler [2025-2026 Müfredatı]**

TEKNİK SEÇMELİ DERS I (2. SINIF 1. YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
TSD2101	YAPI MAKİNALARI	S	2	0	0	2	4
TSD2102	EKONOMİ	S	2	0	0	2	4
TSD2103	DOĞAL AFETLER VE İNSANLAR	S	2	0	0	2	4
TSD2104	COĞRAFI BİLGİ SİSTEMLERİ	S	2	0	0	2	4

TEKNİK SEÇMELİ DERS II (2. SINIF 2. YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
TSD2201	MÜHENDİSLİK ÖLÇMELERİ	S	2	0	0	2	4
TSD2202	İKLİM DEĞİŞİKLİĞİ VE KENTLER	S	2	0	0	2	4

İNŞAAT MÜHENDİSLİĞİNDE SEÇMELİ İNGİLİZCE (2. SINIF 2. YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
ISI2201	İNŞAAT MÜHENDİSLİĞİNDE İNGİLİZCE İLETİŞİM	S	2	1	0	2,5	4
ISI2202	İNŞAAT MÜHENDİSLİĞİNDE İNGİLİZCE ÇEVİRİ	S	2	1	0	2,5	4

MESLEKİ SEÇMELİ DERS I (3. SINIF 1. YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
MSD3101	BETON KATKI MALZEMELERİ	S	2	1	0	2,5	5
MSD3102	MÜHENDİSLİKTE TEMEL BİLGİSAYAR PROGRAMI UYGULAMALARI	S	2	1	0	2,5	5
MSD3103	İNŞAAT 4.0	S	2	1	0	2,5	5

SOSYAL SEÇMELİ DERS I (3. SINIF 1. YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
SSD3101	İKLİM DEĞİŞİKLİĞİ VE BM KALKINMA AMAÇLARI	S	2	1	0	2,5	4
SSD3102	SÜRDÜRÜLEBİLİR ULAŞIM VE AKILLI ŞEHİRLER	S	2	1	0	2,5	4
SSD3103	GEOTEKNİK MÜHENDİSLİĞİNDE SÜRDÜRÜLEBİLİRLİK	S	2	1	0	2,5	4
SSD3104	SÜRDÜRÜLEBİLİR YAPILAR VE YEŞİL İNŞAAT	S	2	1	0	2,5	4

MESLEKİ SEÇMELİ DERS IV/V (4.SINIF 1. YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
MSD4101	BETONARME SİSTEM TASARIMI-I	S	2	1	0	2,5	5
MSD4102	YAPI STATİĞİ-III	S	2	1	0	2,5	5
MSD4103	İNŞAAT MÜHENDİSLİĞİNDE BİLGİSAYAR PROG. UYG.	S	2	1	0	2,5	5
MSD4104	ÖZEL BETONLAR	S	2	1	0	2,5	5
MSD4105	KIYI YAPILARI VE LİMANLAR	S	2	1	0	2,5	5
MSD4106	BETON TEKNOLOJİSİ	S	2	1	0	2,5	5
MSD4107	PREFABRİKE BETONARME YAPILAR	S	2	1	0	2,5	5
MSD4108	YAPI ELEMANLARININ DAVRANIŞI	S	2	1	0	2,5	5
MSD4109	DAYANMA YAPILARI	S	2	1	0	2,5	5
MSD4110	BETON YOLLAR	S	2	1	0	2,5	5
MSD4111	ŞANTIYE YÖNETİMİ	S	2	1	0	2,5	5
MSD4112	TAŞKIN HİDROLOJİSİ	S	2	1	0	2,5	5

SOSYAL SEÇMELİ DERS II (4. SINIF 1. YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
SSD4101	FOTOĞRAFÇILIK	S	2	0	0	2	3
SSD4102	RETORİK VE YAZMA EĞİTİMİ-I	S	2	0	0	2	3
SSD4103	SENDİKAL HAKLAR	S	2	0	0	2	3
SSD4104	BRİÇ	S	2	0	0	2	3
SSD4105	MÜZİK KÜLTÜRÜ	S	2	0	0	2	3

ÜNİVERSİTE SEÇMELİ DERSİ I (4. SINIF 1. YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
USD0040	TEKNİK İNGİLİZCE	S	2	0	0	2	3
Üniversite Seçmeli Ders Havuzunda yer alan tüm dersler							
		S	2	0	0	2	3

SEÇMELİ PROJE (4. SINIF 1. YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
MSP4101	ÇELİK BİNA TASARIMI	S	2	1	0	2,5	5
MSP4102	ULAŞTIRMA ALT YAPI TASARIMI	S	2	1	0	2,5	5
MSP4103	ÖZEL MÜHENDİSLİK YAPILARININ PROJELENDİRİLMESİ	S	2	1	0	2,5	5
MSP4104	KARAYOLU TASARIMI	S	2	1	0	2,5	5
MSP4105	SU TEMİNİ SİSTEM TASARIMI	S	2	1	0	2,5	5
MSP4106	PREFABRİKE YAPI TASARIMI	S	2	1	0	2,5	5
MSP4107	ÇELİK ÇATI TASARIMI	S	2	1	0	2,5	5
MSP4108	KARAYOLU MÜHENDİSLİĞİ TASARIMI	S	2	1	0	2,5	5

MESLEKİ SEÇMELİ DERS VI/VII (4. SINIF 2.YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
MSD4201	YAPILARIN PERFORMANS ESASLI TASARIMI ve DEĞ.	S	2	1	0	2,5	5
MSD4202	BETONARME SİSTEM TASARIMI-II	S	2	1	0	2,5	5
MSD4203	BETONARME-III	S	2	1	0	2,5	5
MSD4204	YOL ÜST YAPISI	S	2	1	0	2,5	5
MSD4205	KENT İÇİ ULAŞIM SİSTEMLERİ	S	2	1	0	2,5	5
MSD4206	YAPILARDA TAŞIYICI SİSTEM BELİRLENMESİ	S	2	1	0	2,5	5
MSD4207	BETONARME YAPI ONARIM VE GÜÇLENDİRME TEKNİKLERİ	S	2	1	0	2,5	5
MSD4208	BETON KATKI MALZEMELERİ	S	2	1	0	2,5	5
MSD4209	ULAŞIM PLANLAMASINA GİRİŞ	S	2	1	0	2,5	5
MSD4210	ATIKSULARIN UZAKLAŞTIRILMASI	S	2	1	0	2,5	5
MSD4211	TAŞKIN KONTROLÜ	S	2	1	0	2,5	5

SOSYAL SEÇMELİ DERS III (4. SINIF 2. YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
SSD4201	TÜRKİYE'DE KIRSAL KALKINMA SORUNLARI	S	2	0	0	2	3
SSD4202	EŞYA HUKUKU	S	2	0	0	2	3
SSD4203	TEMEL İNGİLİZCE KONUŞMA BECERİLERİ	S	2	0	0	2	3
SSD4204	RETORİK VE YAZMA EĞİTİMİ-II	S	2	0	0	2	3

ÜNİVERSİTE SEÇMELİ DERSİ II (4. SINIF 2. YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
USD0041	YAPI BİLGİSİ	S	2	0	0	2	3
Üniversite Seçmeli Ders Havuzunda yer alan tüm dersler							
		S	2	0	0	2	3

İNŞAAT MÜHENDİSLİĞİNDE TASARIM (4. SINIF 2. YARIYIL)

DERS KODU	DERSİN ADI	Kategori	T	U	L	K	E
BIT4201	TEMEL İNŞAATI	S	2	2	0	3	4
BIT4202	ZEMİN MEKANİĞİ	S	2	2	0	3	4
BIT4203	HİDROLİK	S	2	2	0	3	4
BIT4204	SU TEMİNİ VE ÇEVRE SAĞLIĞI	S	2	2	0	3	4
BIT4205	MÜHENDİSLİK MEKANİĞİ	S	2	2	0	3	4
BIT4206	KARAYOLU MÜHENDİSLİĞİ	S	2	2	0	3	4
BIT4207	BETONARME YAPI	S	2	2	0	3	4
BIT4208	YAPI MALZEMESİ	S	2	2	0	3	4
BIT4209	ÇELİK YAPILAR	S	2	2	0	3	4
BIT4210	YAPI STATİĞİ	S	2	2	0	3	4
BIT4211	YAPIM PLANLAMASI	S	2	2	0	3	4

BALIKESİR UNIVERSITY
FACULTY OF ENGINEERING DEPARTMENT OF CIVIL ENGINEERING Curriculum [2025-2026]

1st YEAR 1st SEMESTER

CODE	COURSE	Category	T	P	L	C	E
MAT1101	CALCULUS-I	C	3	1	0	3,5	5
FIZ1101	PHYSICS-I	C	3	0	0	3	4
FIZ1102	PHYSICS-I LABORATORY	C	0	0	2	1	1
KİM1101	CHEMISTRY	C	3	0	0	3	4
KİM1102	CHEMISTRY LABORATORY	C	0	0	2	1	1
TRS1101	TECHNICAL DRAWING	C	2	2	0	3	4
IGE1102	ENGINEERING GEOLOGY	C	2	1	0	2,5	3
INS1101	INTRODUCTION TO CIVIL ENGINEERING AND VE PROFESSIONAL ETHICS	C	2	0	0	2	2
	TOTAL		15	4	4	19,0	24
AIT1101	ATATÜRK PRINCIPLES AND TURKISH REVOLUTION HISTORY-I	C	2	0	0	2	2
TDİ1101	TURKISH LANGUAGE-I	C	2	0	0	2	2
YDİ1101	FOREIGN LANGUAGE-I	C	2	0	0	2	2
	TOTAL		21	4	4	25,0	30

1st YEAR 2nd SEMESTER

CODE	COURSE	Category	T	P	L	C	E
MAT1202	CALCULUS-II	C	3	1	0	3,5	5
FIZ1201	PHYSICS-II	C	3	0	0	3	4
INS1201	BASIC INFORMATION TECHNOLOGIES	C	0	2	0	1	1
INS1202	STATICS	C	2	2	0	3	3
BİL1202	ALGORİTMA VE PROGRAMLAMAYA GİRİŞ	C	2	1	0	2,5	3
İST1202	STATISTICS	C	2	1	0	2,5	3
İNS1203	COMPUTER AIDED DESIGN	C	2	1	0	2,5	3
KRY1201	CAREER PLANNING	C	1	0	0	1	2
	TOTAL		15	8	0	19	24
AIT1201	ATATÜRK PRINCIPLES AND TURKISH REVOLUTION HISTORY-II	C	2	0	0	2	2
TDİ1201	TURKISH LANGUAGE-II	C	2	0	0	2	2
YDİ1201	FOREIGN LANGUAGE-II	C	2	0	0	2	2
	TOTAL		21	8	0	25,0	30

2nd YEAR 1st SEMESTER

CODE	COURSE	Category	T	P	L	C	E
İNS2101	ADVANCED MATHEMATICS-I	C	3	1	0	3,5	5
İNS2102	STRENGTH OF MATERIALS-I	C	3	1	0	3,5	5
İNS2103	DYNAMICS	C	2	1	0	2,5	3
İNS2104	NUMERICAL ANALYSIS	C	2	0	0	2	2
İNS2105	TOPOGRAPHY	C	2	2	0	3	3
İNS2106	MATERIAL	C	3	1	0	3,5	4
İNS2107	FUNDAMENTAL ENGLISH IN CIVIL ENGINEERING	C	2	1	0	2,5	4
TSD21XX	TECHNICAL ELECTIVE COURSE-I	E	2	0	0	2	4
	TOTAL		19	7	0	22,5	30

2nd YEAR 2nd SEMESTER

CODE	COURSE	Category	T	P	L	C	E
İNS2201	ADVANCED MATHEMATICS-II	C	3	1	0	3,5	4
İNS2202	STRENGTH OF MATERIALS-II	C	3	1	0	3,5	4
İNS2203	CONSTRUCTION OF MATERIALS	C	3	1	0	3,5	4
İNS2204	FLUID MECHANICS	C	3	1	0	3,5	4
İNS2205	SOIL MECHANICS-I	C	2	2	0	3	3
TSD22XX	TECHNICAL ELECTIVE COURSE-II	E	2	0	0	2	4
İSİ22XX	ELECTIVE ENGLISH IN CIVIL ENGINEERING	E	2	1	0	2,5	4
STJ2200	INTERNSHIP-I	C					3
	TOTAL		18	7	0	21,5	30

3rd YEAR 1st SEMESTER

CODE	COURSE	Category	T	P	L	C	E
İNS3101	THEORY OF STRUCTURES-I	C	3	1	0	3,5	4
İNS3102	STEEL STRUCTURES-I	C	3	1	0	3,5	4
İNS3103	EARTHWORKS	C	2	1	0	2,5	3
İNS3104	HYDRAULIC	C	3	1	0	3,5	4
İNS3105	SOIL MECHANICS-II	C	2	1	0	2,5	3
İNS3106	HYDROLOGY	C	2	1	0	2,5	3
MSD31XX	PROFESSIONAL ELECTIVE COURSE-I	E	2	1	0	2,5	5
SSD31XX	SOCIAL ELECTIVE COURSE-I	E	2	1	0	2,5	4
	TOTAL		19	8	0	23,0	30

3rd YEAR 2nd SEMESTER

CODE	COURSE	Category	T	P	L	C	E
İNS3201	THEORY OF STRUCTURES-II	C	3	1	0	3,5	4
İNS3202	REINFORCED CONCRETE-I	C	3	1	0	3,5	4
İNS3203	HIGHWAY ENGINEERING	C	3	0	0	3	3
İNS3204	LABORATORY-I	C	0	0	2	1	1
İNS3205	WATER STRUCTURES	C	3	1	0	3,5	4
İNS3206	FOUNDATION ENGINEERING	C	2	1	0	2,5	3
MSD32X1	PROFESSIONAL ELECTIVE COURSE-II	E	2	1	0	2,5	4
MSD32X2	PROFESSIONAL ELECTIVE COURSE-III	E	2	1	0	2,5	4
STJ3200	INTERNSHIP-II	C					3
	TOTAL		18	6	2	22,0	30

4th YEAR 1st SEMESTER

CODE	COURSE	Category	T	P	L	C	E
İNS4101	REINFORCED CONCRETE-II	C	3	1	0	3,5	4
İNS4102	INTRODUCTION TO STRUCTURAL DYNAMICS	C	2	1	0	2,5	3
İNS4103	LABORATORY-II	C	0	0	2	1	1
İNS4104	LABOR LAW	C	2	0	0	2	2
MSP41XX	ELECTIVE PROJECT	E	2	1	0	2,5	5
MSD41X1	PROFESSIONAL ELECTIVE COURSE-IV	E	2	1	0	2,5	5
MSD41X2	PROFESSIONAL ELECTIVE COURSE-V	E	2	1	0	2,5	5
SSD41XX / USD-1	SOCIAL ELECTIVE COURSE-II / UNIVERSITY ELECTIVE COURSE-I	E	2	0	0	2	3
	TOTAL		15	5	2	18,5	28
İSG4101	OCCUPATIONAL HEALTH AND SAFETY-I	C	2	0	0	2	2
	TOTAL		17	5	2	20,5	30

4th YEAR 2nd SEMESTER

CODE	COURSE	Category	T	P	L	C	E
İNS4201	EARTHQUAKE RESISTANT DESIGN	C	2	1	0	2,5	3
İNS4202	REINFORCED CONCRETE BUILDING DESIGN	C	2	1	0	2,5	5
İNS4203	CONSTRUCTION AND MANAGEMENT	C	2	1	0	2,5	3
BİT42XX	DESIGN IN CIVIL ENGINEERING	C	2	2	0	3	4
MSD42X1	PROFESSIONAL ELECTIVE COURSE-VI	E	2	1	0	2,5	5
MSD42X1	PROFESSIONAL ELECTIVE COURSE-VII	E	2	1	0	2,5	5
SSD42XX / USD-2	SOCIAL ELECTIVE COURSE-III / UNIVERSITY ELECTIVE COURSE-II	E	2	0	0	2	3
	TOTAL		14	7	0	17,5	28
İSG4202	OCCUPATIONAL HEALTH AND SAFETY-II	C	2	0	0	2	2
	TOTAL		16	7	0	19,5	30

BALIKESIR UNIVERSITY
FACULTY OF ENGINEERING DEPARTMENT OF CIVIL ENGINEERING Curriculum - Elective Courses [2025-2026]

TECHNICAL ELECTIVE COURSE I (2nd YEAR 1st SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
TSD2101	CONSTRUCTION MACHINES	E	2	0	0	2	4
TSD2102	ECONOMY	E	2	0	0	2	4
TSD2103	NATURAL DISASTERS AND HUMAN	E	2	0	0	2	4
TSD2104	GEOGRAPHICAL INFORMATION SYSTEMS	E	2	0	0	2	4

TECHNICAL ELECTIVE COURSE II (2nd YEAR 2nd SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
TSD2201	SURVEYING	E	2	0	0	2	4
TSD2202	CLIMATE CHANGE AND CITIES	E	2	0	0	2	4

ELECTIVE ENGLISH IN CIVIL ENGINEERING (2nd YEAR 2nd SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
ISI2201	ENGLISH COMMUNICATION IN CIVIL ENGINEERING	E	2	1	0	2,5	4
ISI2202	ENGLISH TRANSLATION IN CIVIL ENGINEERING	E	2	1	0	2,5	4

PROFESSIONAL ELECTIVE COURSE I (3rd YEAR 1st SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
MSD3101	ADMIXTURES FOR CONCRETE	E	2	1	0	2,5	5
MSD3102	BASIC COMPUTER PROGRAM PRACTICES IN ENGINEERING	E	2	1	0	2,5	5
MSD3103	CONSTRUCTION 4.0	E	2	1	0	2,5	5

SOCIAL ELECTIVE COURSE I (3rd YEAR 1st SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
SSD3101	CLIMATE CHANGE AND UN DEVELOPMENT GOALS	E	2	1	0	2,5	4
SSD3102	SUSTAINABLE TRANSPORT AND SMART CITIES	E	2	1	0	2,5	4
SSD3103	SUSTAINABILITY IN GEOTECHNICAL ENGINEERING	E	2	1	0	2,5	4
SSD3104	SUSTAINABLE BUILDINGS AND GREEN CONSTRUCTION	E	2	1	0	2,5	4

PROFESSIONAL ELECTIVE COURSE II /III (3rd YEAR 2nd SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
MSD3201	STEEL STRUCTURES II	E	2	1	0	2,5	4
MSD3202	TRAFFIC TECHNIC	E	2	1	0	2,5	4
MSD3203	INTRODUCTION TO FOUNDATION ENGINEERING	E	2	1	0	2,5	4
MSD3204	HIGH PERFORMANCE CONCRETE	E	2	1	0	2,5	4
MSD3205	CIVIL ENGINEERING PRACTICES	E	2	1	0	2,5	4
MSD3206	TECHNICAL INFRASTRUCTURE	E	2	1	0	2,5	4
MTH3201	SECTOR ON CAMPUS	E	2	1	0	2,5	4

PROFESSIONAL ELECTIVE COURSE IV/V (4th YEAR 1st SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
MSD4101	DESIGN OF THE R/C SYSTEMS-I	E	2	1	0	2,5	5
MSD4102	THEORY OF STRUCTURES-III	E	2	1	0	2,5	5
MSD4103	COMPUTER APPLICATIONS IN CIVIL ENGINEERING	E	2	1	0	2,5	5
MSD4104	SPECIAL CONCRETES	E	2	1	0	2,5	5
MSD4105	COASTAL STRUCTURES AND HARBOURS	E	2	1	0	2,5	5
MSD4106	CONCRETE TECHNOLOGY	E	2	1	0	2,5	5
MSD4107	PREFABRICATED REINFORCED CONCRETE STRUCTURES	E	2	1	0	2,5	5
MSD4108	BEHAVIOR OF STRUCTURAL ELEMENTS	E	2	1	0	2,5	5
MSD4109	SOIL RETAINING STRUCTURES	E	2	1	0	2,5	5
MSD4110	CONCRETE PAVEMENT DESIGN	E	2	1	0	2,5	5
MSD4111	CONSTRUCTION SITE MANAGEMENT	E	2	1	0	2,5	5
MSD4112	FLOOD HYDROLOGY	E	2	1	0	2,5	5

PROFESSIONAL ELECTIVE COURSE VI/VII (4th YEAR 2nd SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
MSD4201	PERFORMANCE BASED DESIGN AND EVALUATION OF STRUCTURES	E	2	1	0	2,5	5
MSD4202	DESIGN OF THE R/C SYSTEMS-II	E	2	1	0	2,5	5
MSD4203	REINFORCED CONCRETE-III	E	2	1	0	2,5	5
MSD4204	FLEXIBLE PAVEMENT	E	2	1	0	2,5	5
MSD4205	URBAN TRANSPORT SYSTEMS	E	2	1	0	2,5	5
MSD4206	DETERMINATION OF STRUCTURAL SYSTEMS	E	2	1	0	2,5	5
MSD4207	REPAIRING AND RETROFITTING OF REINFORCED CONCRETE BUILDING	E	2	1	0	2,5	5
MSD4208	ADMIXTURES FOR CONCRETE	E	2	1	0	2,5	5
MSD4209	INTRODUCTION TO TRANSPORTATION PLANNING	E	2	1	0	2,5	5
MSD4210	WASTEWATER DISPOSAL	E	2	1	0	2,5	5
MSD4211	FLOOD CONTROL	E	2	1	0	2,5	5

SOCIAL ELECTIVE COURSE II (4th YEAR 1st SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
SSD4101	PHOTOGRAPHY	E	2	0	0	2	3
SSD4102	RHETORIC AND WRITING TRAINING-I	E	2	0	0	2	3
SSD4103	TRADE UNION RIGHTS	E	2	0	0	2	3
SSD4104	CONTRACT BRIDGE	E	2	0	0	2	3
SSD4105	MUSIC CULTURE	E	2	0	0	2	3

SOCIAL ELECTIVE COURSE III (4th YEAR 2nd SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
SSD4201	RURAL DEVELOPMENT PROBLEMS IN TURKEY	E	2	0	0	2	3
SSD4202	PROPERTY LAW	E	2	0	0	2	3
SSD4203	THE BASIC ENGLISH SPEAKING SKILLS	E	2	0	0	2	3
SSD4204	RHETORIC AND WRITING TRAINING-II	E	2	0	0	2	3

UNIVERSITY ELECTIVE COURSE I (4th YEAR 1st SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
USD0040	TECHNICAL ENGLISH	E	2	0	0	2	3
All courses available in the University Elective Course Pool		E	2	0	0	2	3

UNIVERSITY ELECTIVE COURSE II (4th YEAR 2nd SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
USD0041	STRUCTURAL INFORMATION	E	2	0	0	2	3
All courses available in the University Elective Course Pool		E	2	0	0	2	3

ELECTIVE PROJECT (4th YEAR 1st SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
MSP4101	STEEL BUILDING DESIGN	E	2	1	0	2,5	5
MSP4102	TRANSPORTATION INFRASTRUCTURE DESIGN	E	2	1	0	2,5	5
MSP4103	DESIGN OF SPECIFIC ENGINEERING STRUCTURES	E	2	1	0	2,5	5
MSP4104	HIGHWAY DESIGN	E	2	1	0	2,5	5
MSP4105	WATER SUPPLY SYSTEM DESIGN	E	2	1	0	2,5	5
MSP4106	PREFABRICATED STRUCTURE DESIGN	E	2	1	0	2,5	5
MSP4107	STEEL ROOF DESIGN	E	2	1	0	2,5	5
MSP4108	HIGHWAY ENGINEERING DESIGN	E	2	1	0	2,5	5

DESIGN IN CIVIL ENGINEERING (4th YEAR 2nd SEMESTER)

CODE	COURSE	Category	T	P	L	C	E
BIT4201	FOUNDATION ENGINEERING	E	2	2	0	3	4
BIT4202	SOIL MECHANICS	E	2	2	0	3	4
BIT4203	HYDRAULIC	E	2	2	0	3	4
BIT4204	WATER SUPPLY AND ENVIRONMENTAL HEALTH	E	2	2	0	3	4
BIT4205	ENGINEERING MECHANICS	E	2	2	0	3	4
BIT4206	TRANSPORTATION ENGINEERING	E	2	2	0	3	4
BIT4207	REINFORCED CONCRETE STRUCTURES	E	2	2	0	3	4
BIT4208	STRUCTURAL MATERIALS	E	2	2	0	3	4
BIT4209	STEEL STRUCTURES	E	2	2	0	3	4
BIT4210	THEORY OF STRUCTURES	E	2	2	0	3	4
BIT4211	CONSTRUCTION PLANNING	E	2	2	0	3	4