YAZILIM MÜHENDİSLİĞİ MÜFREDATI 2024

I. YARIYIL					
Kod	**Ders adı**	**T**	**U**	**UK**	**AKTS**
CENG 101	Algorithms and Programming with Java I	3	2	4	6
OHS 101	Occupational Health and Safety I	1	0	1	1
ENG 101	Academic English I	2	0	2	2
MATH 101	Calculus I	4	0	4	6
PHY 101	Physics I	3	0	3	5
PHY 103	Physics I Lab	0	2	1	1
BIO 101	Molecular Biology ang Biochemistry	3	0	3	5
HIS 101	Principles of Ataturk and History of Revolutions I	2	0	2	2
TUR 101	Turkish I	2	0	2	2
	Open Course I	0	0	0	0
	Semester Credits	20	4	22	30

II. YARIYIL					
Kod	**Ders adı**	**T**	**U**	**UK**	**AKTS**
CENG 102	Algorithms and Programming with Java II	3	4	5	8
OHS 102	Occupational Health and Safety II	1	0	1	1
ENG 102	Academic English II	2	0	2	2
MATH 102	Calculus II	4	0	4	6
PHY 102	Physics II	3	0	3	5
PHY 104	Physics II Lab	0	2	1	1
HIS 102	Principles of Ataturk and History of Revolutions II	2	0	2	2
TUR 102	Turkish II	2	0	2	2
	Non-Departmental Elective I	3	0	3	3
	Open Course I	0	0	0	0
	Semester Credits	20	6	23	30

III. YARIYIL					
Kod	**Ders adı**	**T**	**U**	**UK**	**AKTS**
SENG 231	Data Science with Python	3	0	3	5
EEE 203	Digital Design	3	2	4	5
CENG 213	Data Structures and Algorithms	3	0	3	5
CENG 223	Discrete and Combinatorial Math.	3	0	3	5
CENG 241	Programming Languages	3	0	3	6
ENG 201	Academic English III	2	0	2	2
	Non-Departmental Elective II	3	0	3	3
	Semester Credits	20	2	21	31

IV. YARIYIL					
Kod	**Ders adı**	**T**	**U**	**UK**	**AKTS**
CENG 214	Algorithms II	3	0	3	6
CENG 256	Formal Languages and Automata Theory	3	0	3	6
MATH 224	Linear Algebra & Differential Equations	3	0	3	5
MATH 206	Probability Theory and Statistics	3	0	3	5
SENG 264	Intro. to AI & Machine Learning	3	0	3	6
ENG 202	Academic English IV	2	0	2	2
	Semester Credits	17	0	17	30

V. YARIYIL					
Kod	**Ders adı**	**T**	**U**	**UK**	**AKTS**
CENG 301	Operating Systems	3	0	3	6
CENG 351	Database Management Systems	3	0	3	6
SENG 321	Software Engineering	3	0	3	6
CENG 361	Web Design and Programming	3	0	3	5
ENG 301	Academic English V	2	0	2	2
	Technical Elective I	3	0	3	5
	Semester Credits	17	0	17	30

VI. YARIYIL					
Kod	**Ders adı**	**T**	**U**	**UK**	**AKTS**
SENG 322	Software Validation and Verification	3	0	3	6
SENG 324	Software Design Patterns	3	0	3	5
CENG 336	Computer Networks	3	0	4	6
CENG 384	Intro. to Signals Processing for Comp. Engineers	3	0	3	5
	Technical Elective II	3	0	3	5
ENG 302	Academic English VI	2	0	2	2
	Semester Credits	17	0	18	29

VII. YARIYIL					
Kod	**Ders adı**	**T**	**U**	**UK**	**AKTS**
SENG 491	Graduation Project I	3	2	4	5
	Technical Elective III	3	0	3	5
	Technical Elective IV	3	0	3	5
	Technical Elective V	3	0	3	5
	Technical Elective VI	3	0	3	5
	Non-Departmental Elective III	3	0	3	3
CCE 401	Critical Thinking, Creativity and Entrepreneurship	2	0	2	2
	Semester Credits	20	2	21	30

VIII. YARIYIL					
Kod	**Ders adı**	**T**	**U**	**UK**	**AKTS**
SENG 492	Graduation Project II	3	2	4	5
SENG 490	Long Term Practice	0	16	8	25
	Semester Credits	3	18	12	30
	TOPLAM KREDİ	134	32	151	240