



Konya Gıda ve Tarım Üniversitesi
FACULTY OF ENGINEERING AND ARCHITECTURE
Computer Engineering
BİLGİSAYAR MÜHENDİSLİĞİ PR. (İNGİLİZCE)

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
COMP1001	INTRODUCTION TO PROGRAMMING	3+2+0	Compulsory	4
COMP1003	INTRODUCTION TO COMPUTER ENGINEERING CONCEPT	2+0+0	Compulsory	2
COMP1005	ETHICS IN COMPUTER SCIENCE	3+0+0	Compulsory	3
FELD1001	ADVANCED ENGLISH	3+0+0	Compulsory	4
UNIV- 1005	CALCULUS I	4+0+0	Compulsory	6
UNIV- 1015	TURKISH LANGUAGE AND LITERATURE I	2+0+0	Compulsory	2
UNIV- 1017	OCCUPATIONAL HEALTH AND SAFETY	2+0+0	Compulsory	3
UNIV- 1019	PHYSICS I	3+2+0	Compulsory	6
Total ECTS				30

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
COMP1002	ADVANCED PYTHON	3+2+0	Compulsory	6
FLED1002	ACADEMIC ENGLISH	3+0+0	Compulsory	4
UNIV- 1006	CALCULUS II	4+0+0	Compulsory	6
UNIV- 1016	TURKISH LANGUAGE AND LITERATURE II	2+0+0	Compulsory	2
UNIV- 1020	PHYSICS II	2+2+0	Compulsory	6
UNIV- 1024	CAREER PLANNING	2+0+0	Compulsory	2
UNIV2014	LINEAR ALGEBRA	3+0+0	Compulsory	4
Total ECTS				30

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
COMP2001	DIGITAL DESIGN	3+2+0	Compulsory	6
COMP2003	OBJECT ORIENTED PROGRAMMING WITH JAVA	3+2+0	Compulsory	6
COMP2005	DISCRETE MATHEMATICS	3+0+0	Compulsory	6
EENG2027	FUNDAMENTALS OF ELECTRONICS	3+2+0	Compulsory	6
UNIV- 2007	PRINCIPLES OF ATATURK AND HISTORY OF TURKISH REVOLUTION I	2+0+0	Compulsory	2
UNIV2037	SCIENTIFIC WRITING & PRESENTATION	2+0+0	Compulsory	4
Total ECTS				30

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
COMP2002	DATA STRUCTURES WITH JAVA	3+2+0	Compulsory	6
COMP2004	PROGRAMMING LANGUAGES	3+0+0	Compulsory	6
COMP2800	PRACTICAL TRAINING I	0+0+0	Compulsory	2
UNIV- 1011	SOCIAL RESPONSIBILITY	0+2+0	Compulsory	2
UNIV2008	PRINCIPLES OF ATATURK & HISTORY OF TURKISH REVOLUTION II	2+0+0	Compulsory	2
UNIV- 2030	PROBABILITY AND STATISTICS	3+0+0	Compulsory	4
UNIV- 2032	DIFFERENTIAL EQUATIONS	4+0+0	Compulsory	6
SSEC4	SOCIAL ELECTIVE	-	Elective	2
TUNI3302	YOGA	2+0+0	Elective	2
TUNI3304	INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY	2+0+0	Elective	2
TUNI3306	HUMAN RELATIONS AND COMMUNICATION	2+0+0	Elective	2
TUNI3308	ANCIENT CIVILIZATIONS HISTORY OF ARCHITECTURE	2+0+0	Elective	2
TUNI3310	SPATIAL MEMORY AND DESIGN	2+0+0	Elective	2
TUNI3312	ARTIFICIAL INTELLIGENCE CONCEPTS	2+0+0	Elective	2
TUNI3314	SCIENCE, TECHNOLOGY SOCIETY	2+0+0	Elective	2
TUNI3316	NATURAL ANTIMICROBIALS	2+0+0	Elective	2
TUNI3318	VOLLEYBALL	2+0+0	Elective	2
TUNI3320	TENNIS	2+0+0	Elective	2
TUNI3322	MEDICINAL AROMATIC PLANTS AND APITHERAPY	2+0+0	Elective	2
TUNI3324	BIOENERGY-BASED DESIGN IN SPACES	2+0+0	Elective	2
TUNI3326	HISTORY OF SECURITY TECHNOLOGIES	2+0+0	Elective	2
UNIV3302	YOGA	2+0+0	Elective	2
UNIV3304	DRAMA	2+0+0	Elective	2
UNIV3306	PUBLIC SPEAKING	2+0+0	Elective	2
UNIV3308	GENDER EQUALITY	2+0+0	Elective	2
UNIV3310	POLITICAL HISTORY	2+0+0	Elective	2

UNIV3312	FINANCIAL LITERACY	2+0+0	Elective	2
UNIV3314	INFORMATION SECURITY IN THE DIGITAL AGE	2+0+0	Elective	2
UNIV3316	TECHNO-ENTREPRENEURSHIP CONCEPTS	2+0+0	Elective	2
UNIV3318	MEDICINAL AND AROMATIC PLANTS	2+0+0	Elective	2
UNIV3320	VERTICAL AND SOILLESS FARMING	2+0+0	Elective	2
UNIV3322	PSYCHOACTIVE PLANTS	2+0+0	Elective	2
UNIV3324	SCIENCE, TECHNOLOGY SOCIETY	2+0+0	Elective	2
UNIV3326	ARTIFICIAL INTELLIGENCE CONCEPTS	2+0+0	Elective	2
UNIV3328	GLOBAL POLITICS (F)	2+0+0	Elective	2
Total ECTS				30

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
COMP3001	DATABASE MANAGEMENT SYSTEMS	3+2+0	Compulsory	5
COMP3003	SOFTWARE ENGINEERING	3+0+0	Compulsory	5
COMP3005	COMPUTER ORGANIZATION	3+0+0	Compulsory	5
COMP3007	MODERN PROGRAMMING LANGUAGES	3+0+0	Compulsory	5
SEC5	ELECTIVE	-	Elective	5
COMP3215	HUMAN COMPUTER INTERACTION	3+0+0	Elective	5
COMP3222	IMAGE PROCESSING	3+0+0	Elective	5
COMP3227	INTRODUCTION TO PROMPT ENGINEERING AND GENERATIVE AI APPLICATIONS	3+0+0	Elective	5
COMP3241	INTRODUCTION TO SAP PROGRAM	3+0+0	Elective	5
SSEC5	SOCIAL ELECTIVE	-	Elective	2
UNIV3001	TECHNO ENTREPRENEURSHIP	2+2+0	Elective	5
Total ECTS				27

6.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
COMP3002	COMPUTER NETWORKS	3+0+0	Compulsory	5
COMP3004	OPERATING SYSTEMS	3+0+0	Compulsory	5
COMP3006	SECURE SOFTWARE DEVELOPMENT	3+0+0	Compulsory	5
COMP3800	PRACTICAL TRAINING II	0+0+0	Compulsory	3
SEC6	ELECTIVE	-	Elective	10
COMP3204	ARTIFICIAL INTELLIGENCE	3+0+0	Elective	5
COMP3209	SOFTWARE TEST ENGINEERING	3+0+0	Elective	5
COMP3226	XR TECHNOLOGIES: METAVERSE, AR, AND VR	3+0+0	Elective	5
COMP3236	DATA MINING	3+0+0	Elective	5
SSEC6	SOCIAL ELECTIVE	-	Elective	12
TUNI3302	YOGA	2+0+0	Elective	2
TUNI3304	INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY	2+0+0	Elective	2
TUNI3306	HUMAN RELATIONS AND COMMUNICATION	2+0+0	Elective	2
TUNI3308	ANCIENT CIVILIZATIONS HISTORY OF ARCHITECTURE	2+0+0	Elective	2
TUNI3310	SPATIAL MEMORY AND DESIGN	2+0+0	Elective	2
TUNI3312	ARTIFICIAL INTELLIGENCE CONCEPTS	2+0+0	Elective	2
TUNI3314	SCIENCE, TECHNOLOGY SOCIETY	2+0+0	Elective	2
TUNI3316	NATURAL ANTIMICROBIALS	2+0+0	Elective	2
TUNI3318	VOLLEYBALL	2+0+0	Elective	2
TUNI3320	TENNIS	2+0+0	Elective	2
TUNI3322	MEDICINAL AROMATIC PLANTS AND APITHERAPY	2+0+0	Elective	2
TUNI3324	BIOENERGY-BASED DESIGN IN SPACES	2+0+0	Elective	2
TUNI3326	HISTORY OF SECURITY TECHNOLOGIES	2+0+0	Elective	2
UNIV3302	YOGA	2+0+0	Elective	2
UNIV3304	DRAMA	2+0+0	Elective	2
UNIV3306	PUBLIC SPEAKING	2+0+0	Elective	2
UNIV3308	GENDER EQUALITY	2+0+0	Elective	2
UNIV3310	POLITICAL HISTORY	2+0+0	Elective	2
UNIV3312	FINANCIAL LITERACY	2+0+0	Elective	2
UNIV3314	INFORMATION SECURITY IN THE DIGITAL AGE	2+0+0	Elective	2
UNIV3316	TECHNO-ENTREPRENEURSHIP CONCEPTS	2+0+0	Elective	2
UNIV3318	MEDICINAL AND AROMATIC PLANTS	2+0+0	Elective	2
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UNIV3322	PSYCHOACTIVE PLANTS	2+0+0	Elective	2
UNIV3324	SCIENCE, TECHNOLOGY SOCIETY	2+0+0	Elective	2
UNIV3326	ARTIFICIAL INTELLIGENCE CONCEPTS	2+0+0	Elective	2
UNIV3328	GLOBAL POLITICS (F)	2+0+0	Elective	2
Total ECTS				40

7.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS

COMP4003	DESIGN AND ANALYSIS OF ALGORITHMS	3+0+0	Compulsory	5
COMP4901	GRADUATION PROJECT I	1+4+0	Compulsory	5
SEC7	ELECTIVE	-	Elective	15
COMP4001	DISTRIBUTED SYSTEM	3+0+0	Elective	5
COMP4207	INTRODUCTION TO MACHINE LEARNING	3+0+0	Elective	5
COMP4211	BLOCKCHAIN TECHNOLOGY AND APPLICATION	3+0+0	Elective	5
COMP4228	EMBEDDED SYSTEMS	3+0+0	Elective	5
COMP4232	MULTIMEDIA	3+0+0	Elective	5
COMP4251	DEEP LEARNING	3+0+0	Elective	5
Total ECTS				25

8.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
COMP4902	GRADUATION PROJECT II	1+4+0	Compulsory	5
SEC8	ELECTIVE	-	Elective	25
COMP4002	AUTOMA THEORY AND FORMAL LANGUAGES	3+0+0	Compulsory	5
COMP4202	PRACTICAL DATA SCIENCE	3+0+0	Elective	5
COMP4206	CLOUD COMPUTING	3+0+0	Elective	5
COMP4208	COMPUTER SYSTEMS SECURITY	3+0+0	Elective	5
COMP4224	COMPUTER ARCHITECTURE	3+0+0	Elective	5
COMP4232	MULTIMEDIA	3+0+0	Elective	5
COMP4244	MICROSERVICE BASED SOFTWARE DESIGN AND DEVELOPMENT	3+0+0	Elective	5
COMP4252	NEW GENERATION NETWORK SYSTEM AND ARCHITECTURE	3+0+0	Elective	5
Total ECTS				30