

DERS PROGRAMI

I. SEMESTER

Code	Course Title	Course Type	ECTS
BVA101	Foundations of Programming	Required Courses	3.0
BVA103	Data Science	Required Courses	5.0
BVA105	Data Structures and Algorithms	Required Courses	5.0
İNG187	English I (ENG)	Required Courses	3.0
İST111	Statistics and Probability	Required Courses	3.0
MAT841	Mathematics	Required Courses	5.0
TAR165	Atatürk's Principles and History of Turkish Revolution I	Required Courses	2.0
TÜR125	Turkish Language I	Required Courses	2.0
	Elective Courses		2.0
Sum			30

II. SEMESTER

Code	Course Title	Course Type	ECTS
BVA100	Fundamentals of Machine Learning	Required Courses	5.0
BVA102	Data Mining	Required Courses	5.0
BVA106	Database Technologies	Required Courses	5.0
BVA108	Big Data Technologies	Required Courses	5.0
İNG188	English II (ENG)	Required Courses	3.0
TAR166	Atatürk's Principles and History of Turkish Revolution II	Required Courses	2.0
TÜR126	Turkish Language II	Required Courses	2.0
	Area Elective Courses		3.0
Sum			30

III. SEMESTER

Code	Course Title	Course Type	ECTS
BVA207	Data Visualization	Required Courses	5.0
BVA209	Applied Data Analysis	Required Courses	5.0
BVA219	Large Language Models	Required Courses	6.0
ÖYG213	AI Assisted Software Development	Required Courses	4.0
	Elective Courses		4.0
	Area Elective Courses		6.0
Sum			30

IV. SEMESTER

Code	Course Title	Course Type	ECTS
BVA206	Final Project	Required Courses	6.0
STJ214	Internship	Required Courses	5.0
	Area Elective Courses		19.0
Sum			30

Elective Courses

Code	Course Title	Laboratory + Practice	ECTS
KÜL199	Cultural Activities (TR)	0 + 2	2.0
KÜL195	Volunteer Work (TR)	1 + 2	4.0

Area Elective Courses

Code	Course Title	Laboratory + Practice	ECTS
BVA110	Internet of Things (TR)	2 + 1	3.0
BVA208	Medical Data Mining (TR)	2 + 0	2.0
BVA221	Natural Language Processing (TR)	2 + 1	3.0
BVA223	Deep Learning Fundamentals (TR)	2 + 1	3.0
BVA225	Feature Engineering (TR)	2 + 1	3.0
BVA227	Cloud Computing for Big Data (TR)	2 + 1	3.0
ETK215	Ethical Conduct (TR)	2 + 0	3.0
BVA200	Workplace Vocational Training (TR)	0 + 15	19.0
BVA220	Social Network Analysis (TR)	2 + 1	3.0
BVA222	Artificial Neural Networks (TR)	2 + 2	5.0
BVA226	Data Analytics with Generative AI (TR)	2 + 2	4.0
BVA228	Computer Vision (TR)	2 + 1	3.0
BVA230	MLOps and Data Streaming Systems (TR)	2 + 2	4.0

DERS İÇERİKLERİ
