

DERS PROGRAMI

I. SEMESTER

Code	Course Title	Course Type	ECTS
AYG101	Programming I	Required Courses	5.0
AYG105	Data Structures and Algorithms	Required Courses	6.0
İNG187	English I (ENG)	Required Courses	3.0
MAT845	Mathematics	Required Courses	5.0
ÖYG101	Web Design	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
AYG102	Programming II	Required Courses	5.0
AYG106	Database Management Systems	Required Courses	5.0
AYG118	Object Oriented Programming	Required Courses	5.0
AYG120	Web Services Design and Development	Required Courses	4.0
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		4.0
Sum			30

III. SEMESTER

Code	Course Title	Course Type	ECTS
AYG108	Web Security	Required Courses	4.0
AYG207	Server Operating Systems	Required Courses	5.0
AYG217	Modern Web Programming	Required Courses	4.0
ÖYG213	AI Assisted Software Development	Required Courses	4.0
	Elective Courses		4.0
	Area Elective Courses		9.0
Sum			30

IV. SEMESTER

Code	Course Title	Course Type	ECTS
AYG208	Final Project	Required Courses	6.0
STJ218	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
AYG110	Integrated Development Environments (TR)	2 + 0	3.0
AYG114	Server Components and Management (TR)	2 + 0	3.0
AYG209	Virtual Network Architecture and Operations (TR)	2 + 1	3.0
AYG213	Human-Computer Interaction (TR)	2 + 0	3.0
AYG219	Network Technologies and Device Management (TR)	2 + 1	3.0
AYG221	Artificial Intelligence Supported Automation Systems (TR)	2 + 1	3.0
AYG223	Mobile Application Development (TR)	2 + 1	3.0
ETK215	Ethical Conduct (TR)	2 + 0	3.0
AYG107	Cloud Computing Architectures (TR)	2 + 1	3.0
AYG200	Workplace Vocational Training (TR)	0 + 15	19.0
AYG218	Software Project Management (TR)	2 + 1	3.0
AYG220	Go Programming and Microservices Architecture (TR)	2 + 3	5.0
AYG222	Advanced Web Application Development (TR)	2 + 3	5.0
AYG224	Asynchronous Systems and Message Queues (TR)	2 + 1	3.0
AYG226	Software Testing and Quality Processes (TR)	2 + 2	4.0

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