

EĞİTİM - ÖĞRETİM PLANI

 OKAN ÜNİVERSİTESİ	VOCATIONAL SCHOOL DATABASE, NETWORK DESIGN AND MANAGEMENT DEPARTMENT CLOUD COMPUTING OPERATOR PROGRAM 2026-2027 FALL CURRICULUM (3+1)&(2+2)		Document Code:
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**VOCATIONAL SCHOOL
DATABASE, NETWORK DESIGN AND MANAGEMENT DEPARTMENT
CLOUD COMPUTING OPERATOR PROGRAM
2026-2027 FALL CURRICULUM (3+1)&(2+2)**

1. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
MMAT105	General Mathematics	3	0	3	5	Mandatory	
MBLP127	Introduction to Basic Algorithms and Programming	3	0	3	4	Mandatory	
MBLP129	Computer Networks and Applications	3	0	3	4	Mandatory	
MBLP131	Fundamentals of Operating Systems	3	0	3	4	Mandatory	
MBLP133	Database and Applications	3	0	3	4	Mandatory	
MBBO103	Fundamentals of Cloud Computing and Architectural Structure	3	0	3	4	Mandatory	
SECGNL1YY	Elective Course I (Department Elective)	3	0	3	4	Elective	
KYP001.09	Preparation for Working Life	0	2	1	1	Mandatory	
Total Credits		22		30			

2. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
MMAT106	Mathematics and Logic	3	0	3	5	Mandatory	
MBLP144	Algorithm Design and Applications	3	0	3	4	Mandatory	
MBBO108	Virtualization Technologies and Indigenous Cloud Systems	3	0	3	4	Mandatory	
MBBO110	Cybersecurity and Data Protection Technologies	3	0	3	4	Mandatory	
MBBO112	Cloud Computing Solution Architecture	3	0	3	4	Mandatory	
MBBO114	Cloud Computing Project Planning and Management	3	0	3	4	Mandatory	
SECGN2YY	Elective Course II (Department Elective)	3	0	3	4	Elective	
MBLP247	Occupational Safety in Information Technologies	0	2	1	1	Mandatory	
		Total Credits		22	30		

3. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
ATA101	Ataturk's Principles and History of Reforms I	2	0	2	2	Mandatory	
MING151	Basic English I	3	0	3	4	Mandatory	
MTRD101	Turkish Language I	2	0	2	2	Mandatory	
MBLS201	Information Technologies Project	2	0	2	2	Mandatory	
SECGNL3YY	Elective Course III (Department/Faculty Elective)	3	0	3	5	Elective	
SECGNL3YY	Elective Course IV (Department/Faculty Elective)	3	0	3	5	Elective	
SECGNL3YY	Elective Course V (Department/Faculty Elective)	3	0	3	5	Elective	
SECGNL3YY	Elective Course VI (Department/Faculty Elective)	3	0	3	5	Elective	
		Total Credits		21	30		

4. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
ATA102	Ataturk's Principles and History of Reforms II	2	0	2	2	Mandatory	
MING152	Basic English II	3	0	3	4	Mandatory	
MTRD102	Turkish Language II	2	0	2	2	Mandatory	
MBLS202	English for Information Technologies	2	0	2	2	Mandatory	
SECGNL4YV	Elective Course VII (Department/Faculty Elective)	3	0	3	5	Elective	
SECGNL4YV	Elective Course VIII (Department/Faculty Elective)	3	0	3	5	Elective	
SECGNL4YV	Elective Course IX (Department/Faculty Elective)	3	0	3	5	Elective	
SECGNL4YV	Elective Course X (Department/Faculty Elective)	3	0	3	5	Elective	
		Total Credits		21	30		

5. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
		Total Credits					

6. Semester

[illegible]

7. Semester

[illegible]

8. Semester

[illegible]

TOTAL CREDITS	86
TOTAL ECTS	120

Abbreviations: T=Weekly Theoretical Course Hours; U=Weekly Practical Course Hours; K=Course Credits; ECTS=European Credit Transfer and Accumulation System Credits

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ELECTIVE COURSES

1. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
ELECTIVE FOREIGN LANGUAGE							
DEPARTMENT ELECTIVE							
FACULTY ELECTIVE							
MBLP135	Hardware and Software Systems	3	0	3	4	Elective	
MBLP137	Office Software and Applications	3	0	3	4	Elective	
MBLP139	Python Programming	3	0	3	4	Elective	
MBLP131	Fundamentals of Operating Systems	3	0	3	4	Elective	
MBLP141	Data Mining and Analysis	3	0	3	4	Elective	
MWTK105	Digital Ethics and Intellectual Property Rights	3	0	3	4	Elective	
MWTK107	Modern Web Technologies and Digital Transformation	3	0	3	4	Elective	
MYZO107	Data Science	3	0	3	4	Elective	
UNIVERSITY ELECTIVE							

2. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
ELECTIVE FOREIGN LANGUAGE							
DEPARTMENT ELECTIVE							
FACULTY ELECTIVE							
MBLP143	User Experience and Interface Design	3	0	3	4	Elective	
MBLP145	Algorithmic 3D Design and Digital Fabrication	3	0	3	4	Elective	
MBLP146	Web Design and Development	3	0	3	4	Elective	
MWTK108	Cyber Law and Information Technology Legislation	3	0	3	4	Elective	
MWTK110	Digital Content Architecture and Management Systems	3	0	3	4	Elective	
MWTK114	Digital Literacy and Web Ecosystem	3	0	3	4	Elective	
MYZO112	Machine Learning	3	0	3	4	Elective	
MYZO114	Artificial Intelligence Models	3	0	3	4	Elective	
MYZO116	Introduction to Linux	3	0	3	4	Elective	
MMOT116	Android Application Development	3	0	3	4	Elective	
UNIVERSITY ELECTIVE							

3. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
ELECTIVE FOREIGN LANGUAGE							
DEPARTMENT ELECTIVE							
MBBO204	Workplace Practice	0	18	9	15	Elective	
MBBO210	Workplace Practices	0	24	12	20	Elective	
MBBO203	Industrial Cloud Technologies	3	0	3	5	Elective	
MBBO205	Cloud Computing and Artificial Intelligence	3	0	3	5	Elective	
MBBO206	Cloud Solutions, Data Center Management and Standards	3	0	3	5	Elective	
MBBO207	Internet of Things	3	0	3	5	Elective	
FACULTY ELECTIVE							
MBLP237	E-Commerce Systems	3	0	3	5	Elective	
MBLP239	Web Server Management	3	0	3	5	Elective	
MBLP241	Basic Computer Usage	3	0	3	5	Elective	
MBLP242	Introduction to Parallel Programming	3	0	3	5	Elective	
MBLP244	Embedded Systems	3	0	3	5	Elective	
MBLP251	Cybersecurity	3	0	3	5	Elective	
MBLP252	Data Mining	3	0	3	5	Elective	
MBLP253	Programming with Python	3	0	3	5	Elective	
MBLP254	Information Security Standards and Auditing Skills	3	0	3	5	Elective	
MBLP255	.NET Programming	3	0	3	5	Elective	
MBLP257	Programming with Java	3	0	3	5	Elective	
MBLP259	Game Program Development	3	0	3	5	Elective	
MBLP263	Disinformation and Perception Management	3	0	3	5	Elective	
MBLP265	Programming for Social Benefit	3	0	3	5	Elective	
MWTK201	Web Publishing	3	0	3	5	Elective	
MWTK203	Search Engine Optimization	3	0	3	5	Elective	
MWTK205	Visual Web Design	3	0	3	5	Elective	
MWTK206	Learning Management Systems	3	0	3	5	Elective	
MWTK207	Internet-Based Programming	3	0	3	5	Elective	
MWTK208	Web Publishing Tools	3	0	3	5	Elective	
MYZO201	Artificial Neural Networks and Deep Learning	3	0	3	5	Elective	
MYZO202	System Design and Architecture	3	0	3	5	Elective	
MYZO203	Operational Artificial Intelligence	3	0	3	5	Elective	
MYZO205	Simulation and Modeling	3	0	3	5	Elective	
MYZO206	Image Processing with Artificial Intelligence	3	0	3	5	Elective	
MYZO207	Generative Artificial Intelligence	3	0	3	5	Elective	
MYZO208	ROS Systems	3	0	3	5	Elective	
MYZO209	Artificial Intelligence Web Applications	3	0	3	5	Elective	
MYZO210	Artificial Intelligence and Ethics	3	0	3	5	Elective	
MYZO211	Big Data Analytics	3	0	3	5	Elective	
MYZO212	Natural Language Processing	3	0	3	5	Elective	
MYZO217	Effective Prompt Writing with Artificial Intelligence	3	0	3	5	Elective	
MMOT114	Basic iOS Programming	3	0	3	5	Elective	
MMOT223	Artificial Intelligence	3	0	3	5	Elective	
MMOT224	Hybrid Application Development	3	0	3	5	Elective	
MADL230	Labor Law	3	0	3	5	Elective	
MELK237	Sustainability and Environment	3	0	3	5	Elective	
MGRS201	Entrepreneurship Applications	3	0	3	5	Elective	
MIKA242	Fundamentals of Effective Communication Techniques	3	0	3	5	Elective	
MISL223	General Business	3	0	3	5	Elective	
MMSE201	Professional Ethics	3	0	3	5	Elective	
UNIVERSITY ELECTIVE							

4. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
ELECTIVE FOREIGN LANGUAGE							
DEPARTMENT ELECTIVE							
MBBO204	Workplace Practice	0	18	9	15	Elective	
MBBO208	Workplace Practice II	0	18	9	15	Elective	
MBBO210	Workplace Practices	0	24	12	20	Elective	
MBBO212	Workplace Practices II	0	24	12	20	Elective	
MBBO203	Industrial Cloud Technologies	3	0	3	5	Elective	
MBBO205	Cloud Computing and Artificial Intelligence	3	0	3	5	Elective	
MBBO206	Cloud Solutions, Data Center Management and Standards	3	0	3	5	Elective	
MBBO207	Internet of Things	3	0	3	5	Elective	
FACULTY ELECTIVE							
MBLP237	E-Commerce Systems	3	0	3	5	Elective	
MBLP239	Web Server Management	3	0	3	5	Elective	
MBLP241	Basic Computer Usage	3	0	3	5	Elective	
MBLP242	Introduction to Parallel Programming	3	0	3	5	Elective	
MBLP244	Embedded Systems	3	0	3	5	Elective	
MBLP251	Cybersecurity	3	0	3	5	Elective	
MBLP252	Data Mining	3	0	3	5	Elective	
MBLP253	Programming with Python	3	0	3	5	Elective	
MBLP254	Information Security Standards and Auditing Skills	3	0	3	5	Elective	
MBLP255	.NET Programming	3	0	3	5	Elective	
MBLP257	Programming with Java	3	0	3	5	Elective	
MBLP259	Game Program Development	3	0	3	5	Elective	
MBLP263	Disinformation and Perception Management	3	0	3	5	Elective	
MBLP265	Programming for Social Benefit	3	0	3	5	Elective	
MWTK201	Web Publishing	3	0	3	5	Elective	
MWTK203	Search Engine Optimization	3	0	3	5	Elective	
MWTK205	Visual Web Design	3	0	3	5	Elective	
MWTK206	Learning Management Systems	3	0	3	5	Elective	
MWTK207	Internet-Based Programming	3	0	3	5	Elective	
MWTK208	Web Publishing Tools	3	0	3	5	Elective	
MYZO201	Artificial Neural Networks and Deep Learning	3	0	3	5	Elective	
MYZO202	System Design and Architecture	3	0	3	5	Elective	
MYZO203	Operational Artificial Intelligence	3	0	3	5	Elective	
MYZO205	Simulation and Modeling	3	0	3	5	Elective	
MYZO206	Image Processing with Artificial Intelligence	3	0	3	5	Elective	
MYZO207	Generative Artificial Intelligence	3	0	3	5	Elective	
MYZO208	ROS Systems	3	0	3	5	Elective	
MYZO209	Artificial Intelligence Web Applications	3	0	3	5	Elective	
MYZO210	Artificial Intelligence and Ethics	3	0	3	5	Elective	
MYZO211	Big Data Analytics	3	0	3	5	Elective	
MYZO212	Natural Language Processing	3	0	3	5	Elective	
MYZO217	Effective Prompt Writing with Artificial Intelligence	3	0	3	5	Elective	
MMOT114	Basic iOS Programming	3	0	3	5	Elective	
MMOT223	Artificial Intelligence	3	0	3	5	Elective	
MMOT224	Hybrid Application Development	3	0	3	5	Elective	
MADL230	Labor Law	3	0	3	5	Elective	
MELK237	Sustainability and Environment	3	0	3	5	Elective	
MGRS201	Entrepreneurship Applications	3	0	3	5	Elective	
MIKA242	Fundamentals of Effective Communication Techniques	3	0	3	5	Elective	
MISL223	General Business	3	0	3	5	Elective	
MMSE201	Professional Ethics	3	0	3	5	Elective	
UNIVERSITY ELECTIVE							

5. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
ELECTIVE FOREIGN LANGUAGE							
DEPARTMENT ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

6. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
ELECTIVE FOREIGN LANGUAGE							
DEPARTMENT ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

7. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
ELECTIVE FOREIGN LANGUAGE							
DEPARTMENT ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

8. Semester

Code	Course Title	T	U	K	ECTS	Status	Prereq.
ELECTIVE FOREIGN LANGUAGE							
DEPARTMENT ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							