

**VOCATIONAL SCHOOL
DEPARTMENT OF CONSTRUCTION
OF SMART INFRASTRUCTURES TECHNICIAN
TE DEGREE CURRICULUM (2026-2027 FALL)**

Doküman Kodu: FR.OGR.200
Rev. No: 02
Yayın Tarihi: 25.06.1999
Revizyon Tarihi: 25.07.2023
Sayfa No: 1

Semester I							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MAAS101	Introduction to Infrastructure Systems	3	0	3	5	Compulsory	
MFIZ103	Fundamentals of Physics	3	0	3	5	Compulsory	
MAAS121	Urban Information Systems	3	0	3	4	Compulsory	
MAAS122	Smart Infrastructure Communication S	3	0	3	4	Compulsory	
MINS126	Technical Drawing on Computer	3	0	3	6	Compulsory	
MINS212	Occupational Health and Safety in Construction	3	0	3	6	Compulsory	
Total Credit					18	30	

Semester 2							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
MELK105	Circuit Analysis	3	0	3	5	Compulsory	
MAAS201	Smart Energy Distribution Systems	3	0	3	5	Compulsory	
MAAS202	Introduction to Algorithms and Programming	2	2	3	5	Compulsory	
MAAS211	Infrastructure Transportation Systems	3	0	3	4	Compulsory	
MAAS212	Cyber Security	3	0	3	4	Compulsory	
MAAS213	Building Information Modeling	2	2	3	6	Compulsory	
Total Credit				18	29		

Semester 3							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
ATA101	Ataturk's Principles and History of Republic of Turkey	2	0	2	2	Compulsory	
MTTRD101	Turkish Language I	2	0	2	2	Compulsory	
MING151	Basic English I	3	0	3	4	Compulsory	
KYP001.09	Preparation for Business Life	0	2	1	1	Compulsory	
	Elective Course I (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
SECGNL3YY	Elective Course II (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
SECGNL3Y Y	Elective Course III (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
SECGNL3YY	Elective Course IV (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
SECGNL3Y Y	Elective Course V (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
	Total Credit			20	29		

Semester 4							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
ATA102	Ataturk's Principles and History of Revolution II	2	0	2	2	Compulsory	
MTRD102	Turkish Language II	2	0	2	2	Compulsory	
MING152	Basic English II	3	0	3	4	Compulsory	
MISG214	Graduation Project	3	0	3	4	Compulsory	
SECGNL3YY	Elective Course V (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
SECGNL3Y Y	Elective Course VI (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
SECGNL3YY	Elective Course VII (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
SECGNL3Y Y	Elective Course VIII (DEPARTMENTAL ELECTIVE/FACULTY ELECTIVE)	3	0	3	5	Elective	
	Total Credit			22	32		

[illegible]

Semester 6							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
		Total Credit					

Semester 7							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
		Total Credit					

[illegible]

TOTAL CREDIT	78
TOTAL ECTS	120

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ELECTIVE COURSES

Semester 1							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 2							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 3							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
MAAS207	Building Automation Systems	3	0	3	5	Elective	
MAAS208	Waste Management and Recycling	3	0	3	5	Elective	
MAAS209	Energy Systems and Smart Grids	3	0	3	5	Elective	
MAAS123	Basic Statistics	3	0	3	5	Elective	
MAAS221	Workplace Application I	0	6	3	5	Elective	
MAAS223	Workplace Application II	0	6	3	5	Elective	
MAAS225	Workplace Application III	0	6	3	5	Elective	
MAAS227	Workplace Application IV	0	6	3	5	Elective	

Semester 4							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
MAAS207	Building Automation Systems	3	0	3	5	Elective	
MAAS208	Waste Management and Recycling	3	0	3	5	Elective	
MAAS209	Energy Systems and Smart Grids	3	0	3	5	Elective	
MAAS123	Basic Statistics	3	0	3	5	Elective	
MAAS222	Workplace Application V	0	6	3	5	Elective	
MAAS224	Workplace Application VI	0	6	3	5	Elective	
MAAS226	Workplace Application VII	0	6	3	5	Elective	
MAAS228	Workplace Application VIII	0	6	3	5	Elective	

FACULTY ELECTIVE							
MILK201	First Aid	3	0	3	5	Elective	
MMRS113	Introduction to Art and Architectural History	3	0	3	5	Elective	
MHKD235	Development Plan Application	3	0	3	5	Elective	
MTUR105	Introduction to Tourism	3	0	3	5	Elective	
MMAK218	Construction Machinery	3	0	3	5	Elective	
MGRS201	Practices of Entrepreneurship	3	0	3	5	Elective	
MGSA202	Fine Arts	3	0	3	5	Elective	
MISG218	Principles of Occupational Health and Safety	3	0	3	5	Elective	
MMSE201	Occupational Ethics	3	0	3	5	Elective	
MISL223	General Business	3	0	3	5	Elective	
MMOT223	Artificial Intelligence	3	0	3	5	Elective	
MADL230	Labour Law	3	0	3	5	Elective	
MBLP241	Computer Literacy	3	0	3	5	Elective	
MINS245	Earthquake Resistant Structures	3	0	3	5	Elective	
MELK220	Renewable Energy	3	0	3	5	Elective	
MMAT105	General Mathematics	3	0	3	5	Elective	
MHKD208	Geographic Information Systems	3	0	3	5	Elective	
MMEK111	Sensors and Transducers	3	0	3	5	Elective	
MMEK125	Professional English	3	0	3	5	Elective	
MINS239	Tunnel and Underground Construction	3	0	3	5	Elective	
MINS221	Highway Construction	3	0	3	5	Elective	
MELK237	Sustainability and Environment	3	0	3	5	Elective	
UNIVERSITY ELECTIVE							

FACULTY ELECTIVE							
MILK201	First Aid	3	0	3	5	Elective	
MMRS113	Introduction to Art and Architectural History	3	0	3	5	Elective	
MHKD235	Development Plan Application	3	0	3	5	Elective	
MTUR105	Introduction to Tourism	3	0	3	5	Elective	
MMAK218	Construction Machinery	3	0	3	5	Elective	
MGRS201	Practices of Entrepreneurship	3	0	3	5	Elective	
MGSA202	Fine Arts	3	0	3	5	Elective	
MISG218	Principles of Occupational Health and Safety	3	0	3	5	Elective	
MMSE201	Occupational Ethics	3	0	3	5	Elective	
MISL223	General Business	3	0	3	5	Elective	
MMOT223	Artificial Intelligence	3	0	3	5	Elective	
MADL230	Labour Law	3	0	3	5	Elective	
MBLP241	Computer Literacy	3	0	3	5	Elective	
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MELK220	Renewable Energy	3	0	3	5	Elective	
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MINS239	Tunnel and Underground Construction	3	0	3	5	Elective	
MINS221	Highway Construction	3	0	3	5	Elective	
MELK237	Sustainability and Environment	3	0	3	5	Elective	
UNIVERSITY ELECTIVE							

Semester 5							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 6							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 7							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							

Semester 8							
Code	Course Title	T	A	C	ECTS	Status	Prerequisite
SECOND FOREIGN LANGUAGE							
DEPARTMENTAL ELECTIVE							
FACULTY ELECTIVE							
UNIVERSITY ELECTIVE							