



Republic of Türkiye - Konya Technical University
Faculty of Engineering and Natural Sciences, Department of Mechanical Engineering
2025–2026 Curriculum

1st Year		Term 1						
Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210101	Computer Aided Technical Drawing I	2	2	3,0	5	[1]	Ca	Section 0: Assoc. Prof. Dr. S. Mehmet DEMET Section 1: Asst. Prof. Dr. Osman ÖZTÜRK
1210102	Calculus I	4	0	4,0	6		Ca	Section 0: Asst. Prof. Dr. Murat BODUR Section 1: Asst. Prof. Dr. Murat BODUR
1210103	Physics I	3	1	3,5	5		Ca	Section 0: Asst. Prof. Dr. Yalçın GÜLER Section 1: Asst. Prof. Dr. Yalçın GÜLER
1210106	Turkish Language I	2	0	2,0	2		On	Lect. Ümit KARUL
1210107	Atatürk's Principles and History of Turkish Revolution I	2	0	2,0	2		On	Lect. Tuba ÖZDİNÇ
1210128	Introduction to Mechanical Engineering and Workshop		1	3,5	5		Ca	Section 0: Assoc. Prof. Dr. Muharrem H. AKSOY Section 1: Asst. Prof. Dr. A. Serhat ERSOYOĞLU
1210129	Introduction to Computer and Programming	3	1	3,5	5		Ca	Section 0: Asst. Prof. Dr. Ömer İNCEBAY Section 1: Asst. Prof. Dr. Oğuz ÇALIŞKAN
Total Credit		16	5	21,5	30			

1st Year		Term 2						
Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210202	Computer Aided Technical Drawing II	2	2	3,0	5	[1]	Ca	Section 0: Assoc. Prof. Dr. S. Mehmet DEMET Section 1: Asst. Prof. Dr. Osman ÖZTÜRK
1210203	Statics	4	0	4,0	5		Ca	Section 0: Assoc. Prof. Dr. Abdullah ASLAN Section 1: Assoc. Prof. Dr. Gürol ÖNAL
1210204	Calculus II	4	0	4,0	6		Ca	Section 0: To be assigned Section 1: To be assigned
1210205	Physics II	2	0	2,0	3		Ca	Section 0: To be assigned Section 1: To be assigned
1210231	Chemistry	3	1	3,5	4		Ca	Section 0: To be assigned. Section 1: To be assigned
1210206	Turkish Language II	2	0	2,0	2		On	To be assigned
1210207	Atatürk's Principles and History of Turkish Revolution II	2	0	2,0	2		On	To be assigned
1210232	Foreign Language I	3	0	3,0	3		Ca	Section 0: To be assigned Section 1: To be assigned
Total Credit		22	3	23,5	30			



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2nd Year

Term 3

Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210301	Materials Science I	2	0	2,0	3		Ca	Section 0: Assoc. Prof. Dr. Mevlüt TÜRKÖZ Section 1: Assoc. Prof. Dr. M. Hüseyin ÇETİN
1210302	Dynamics	4	0	4,0	5		Ca	Section 0: Assoc. Prof. Dr. Abdullah ASLAN Section 1: Prof. Dr. Ömer Sinan ŞAHİN
1210303	Strength of Materials I	4	0	4,0	5	[3]	Ca	Section 0: Asst. Prof. Dr. Okan DEMİR Section 1: Assoc. Prof. Dr. Gürol ÖNAL
1210304	Thermodynamics I	3	0	3,0	5		Ca	Section 0: Assoc. Prof. Dr. Nagihan BİLİR SAĞ Section 1: Prof. Dr. H. Kürşad ERSOY
1210305	Differential Equations	2	0	2,0	2		Ca	Section 0: Asst. Prof. Dr. Murat BODUR Section 1: Asst. Prof. Dr. Murat BODUR
1210306	Fundamentals of Electrical Engineering	3	1	3,5	4		Ca	Section 0: Lect. Dr. Yalçın EZGİNCİ Section 1: Lect. Dr. Yalçın EZGİNCİ
1210322	Foreign Language II	3	0	3,0	3		Ca	Section 0: Lect. Mehtap YORGANCI Section 1: Lect. Mehtap YORGANCI
1210300	Orientation Summer Practice				3			
Total Credit		21	1	21,5	30			

2nd

Term 4

Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210401	Technic of Mechanisms	4	0	4,0	6		Ca	Section 0: Asst. Prof. Dr. Koray KAVLAK Section 1: Asst. Prof. Dr. Abdullah ÇAKAN
1210402	Materials Science II	4	0	4,0	6	[4]	Ca	Section 0: Assoc. Prof. Dr. M. Hüseyin ÇETİN Section 1: Assoc. Prof. Dr. Mevlüt TÜRKÖZ
1210417	Strength of Materials II	2	0	2,0	3	[5]	Ca	Section 0: Prof. Dr. Ömer Sinan ŞAHİN Section 1: Prof. Dr. Ömer Sinan ŞAHİN
1210405	Thermodynamics II	3	0	3,0	4	[6]	Ca	Section 0: Prof. Dr. H. Kürşad ERSOY Section 1: Assoc. Prof. Dr. Nagihan BİLİR SAĞ
1210421	Numerical Analysis	2	0	2,0	3		Ca	Section 0: Asst. Prof. Dr. İlker GÖKTEPELİ Section 1: Asst. Prof. Dr. İlker GÖKTEPELİ
1210422	Technical English	2	0	2,0	2		Ca	Section 0: Asst. Prof. Dr. Ömer İNCEBAY Section 1: Asst. Prof. Dr. Ömer İNCEBAY
1210411	Manufacturing Technologies	4	0	4,0	6		Ca	Section 0: Asst. Prof. Dr. Yusuf YILMAZ Section 1: Assoc. Prof. Dr. Mevlüt TÜRKÖZ
Total Credit		21	-	21,0	30			



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3rd Year		Term 5						
Course Code	Course Name	Credit				Description	Campus/O nline	Course Instructor
		T	U	Local	ECTS			
1210510	Dynamics of Machinery	3	0	3,0	4		Ca	Section 0: Asst. Prof. Dr. Koray KAVLAK Section 1: Asst. Prof. Dr. Abdullah ÇAKAN
1210502	Machine Elements I	4	0	4,0	5	[7]	Ca	Section 0: Asst. Prof. Dr. Yusuf YILMAZ Section 1: Prof. Dr. Mehmet BAĞCI
1210521	Fluid Mechanics I	4	0	4,0	4		Ca	Section 0: Assoc. Prof. Dr. Sercan DOĞAN Section 1: Prof. Dr. Rafet YAPICI
1210505	Heat Transfer	4	0	4,0	5		Ca	Section 0: Asst. Prof. Dr. Ş. Ulaş ATMACA Section 1: Assoc. Prof. Dr. Selçuk DARICI
1210507	Manufacturing Engineering	3	0	3,0	4		Ca	Section 0: Assoc. Prof. Dr. Mevlüt TÜRKÖZ Section 1: Asst. Prof. Dr. A. Serhat ERSOYOĞLU
1210522	Applied Mathematics for Engineers	2	0	2,0	2		Ca	Asst. Prof. Dr. Abdullah ÇAKAN
1210500	Manufacturing Summer Practice in Industry				3			
	Non-Technical Elective I	2	0	2,0	3			
Total Credit		22	-	22,0	30			

3rd Year Term 5 - Non-Technical Elective Courses I

Course Code	Course Name	Credit				Description	Campus/O nline	Course Instructor
		T	U	Local	ECTS			
1210523	Mathematics and Game	2	0	2,0	3		Ca	Asst. Prof. Dr. Ş. Ulaş ATMACA
1210524	Web Site Design	2	0	2,0	3		Ca	Asst. Prof. Dr. Abdullah ÇAKAN
1210525	Intellectual and Industrial Property Rights	2	0	2,0	3		Ca	Lect. Dr. Kamile Pınar SUNGUR
1210526	Engineering Economics	2	0	2,0	3		Ca	Assoc. Prof. Dr. Ahmet SARUCAN

3rd Year Term 6

Course Code	Course Name	Credit				Description	Campus/O nline	Course Instructor
		T	U	Local	ECTS			
1210626	System Dynamics	2	0	2,0	3	[8]	Ca	Section 0: Prof. Dr. Mete KALYONCU Section 1: Asst. Prof. Dr. M. Arif ŞEN
1210602	Machine Elements II	4	0	4,0	6		Ca	Section 0: Asst. Prof. Dr. S. Mehmet DEMET Section 1: Prof. Dr. Mehmet BAĞCI
1210628	Fluid Mechanics II	2	0	2,0	3	[9]	Ca	Section 0: Asst. Prof. Dr. Ömer İNCEBAY Section 1: Assoc. Prof. Dr. Muharrem H. AKSOY
1210605	Energy Conversion Systems	3	0	3,0	4		Ca	Section 0: Assoc. Prof. Dr. Sercan YAĞMUR Section 1: Prof. Dr. Faruk KÖSE
1210629	Introduction to Machine Design (IMD)	1	1	1,5	3	[1,10,11]	Ca	DEPARTMENT ACADEMIC STAFF
1210607	Engineering Measurements	3	0	3,0	4		Ca	Section 0: Asst. Prof. Dr. Osman ÖZTÜRK Section 1: Assoc. Prof. Dr. Sercan DOĞAN
	Non-Technical Elective II	2	0	2,0	3			
	Technical Elective I	3	0	3,0	5			
Total Credit		20	1	20,5	31			

3rd Year Term 6 - Introduction to Machine Design (IMD) Elective Courses

Course Code	Course Name	Credit				Description	Campus/O nline	Course Instructor
		T	U	Local	ECTS			
1210639	Simple Machine Design (IMD)	1	1	1,5	3	[1,10,11]	Ca	DEPARTMENT ACADEMIC STAFF
1210640	Gearbox Design (IMD)	1	1	1,5	3	[1,10,11]	Ca	DEPARTMENT ACADEMIC STAFF
1210641	Mechanism Design (IMD)	1	1	1,5	3	[1,10,11]	Ca	DEPARTMENT ACADEMIC STAFF

3rd Year Term 6 - Non-Technical Elective Courses II

Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210635	Report Writing and Presentation	2	0	2,0	3		Ca	Asst. Prof. Dr. M. Arif ŞEN
1210637	Entrepreneurship and Innovation	2	0	2,0	3		Ca	To be assigned
1210636	Digital Photography	2	0	2,0	3		Ca	Asst. Prof. Dr. Okan DEMİR
3rd Year Term 6 - Non-Technical Elective Courses I								
1210632	Refrigeration Technology	3	0	3,0	5		Ca	Asst. Prof. Dr. Oğuz ÇALIŞKAN
1210633	Introduction to Robotics	3	0	3,0	5		Ca	Prof. Dr. Mete KALYONCU
1210634	Industrial Flow Simulation	3	0	3,0	5		Ca	Prof. Dr. Rafet YAPICI
1210638	Sheet Metal Mold Design	3	0	3,0	5		Ca	Prof. Dr. Hüseyin Selçuk HALKACI



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4th Year Term 7								
Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210779	Machine Laboratory	2	1	2,5	3	[1]	Ca	Assoc. Prof. Dr. Sercan YAĞMUR
1210729	Mechanical Engineering Design I (MED 1)	3	3	4,5	6	[1,2,10,11,12]	Ca	DEPARTMENT ACADEMIC STAFF
1210775	Occupational Health and Safety I	2	0	2,0	2		Ca	Lect. Dr. Selahattin Burak AKAY
1210776	Control Systems	3	0	3,0	3		Ca	Section 0: Asst. Prof. Dr. Muhammed Arif ŞEN Section 1: Prof. Dr. Mete KALYONCU
1210700	Organization Summer Practice in Industry				3			
	Technical Elective II	3	0	3,0	5			
	Technical Elective III	3	0	3,0	5			
	Technical Elective IV	3	0	3,0	5			
Total Credit		19	4	21,0	32			

4th Year Term 7 - Elective Courses (MED-I)								
Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210707	Heat and Energy Design I (MED 1)	3	3	4,5	6	[1,2,10,11,12]	Ca	DEPARTMENT ACADEMIC STAFF
1210708	Mechanical Design I (MED 1)	3	3	4,5	6	[1,2,10,11,12]	Ca	DEPARTMENT ACADEMIC STAFF

4th Year Term 7 - Technical Elective Courses II								
Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210734	Internal Combustion Engines	3	0	3,0	5		Ca	Prof. Dr. Faruk KÖSE
1210764	Thermal System Design	3	0	3,0	5	[13]	Ca	Asst. Prof. Dr. İlker GÖKTEPELİ
1210705	Introduction to Finite Elements Method	3	0	3,0	5		Ca	Prof. Dr. Ömer Sinan ŞAHİN
1210754	Machine Construction	3	0	3,0	5		Ca	Prof. Dr. Hüseyin Selçuk HALKACI

4th Year Term 7 - Technical Elective Courses III								
Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210748	Plastic Materials	3	0	3,0	5		Ca	Assoc.. Prof. Dr. Gürol ÖNAL
1210702	Renewable Energy Systems	3	0	3,0	5	[14]	Ca	Assoc. Prof. Dr. Muharrem Hilmi AKSOY
1210762	Veichle Dynamics	3	0	3,0	5		Ca	Asst. Prof. Dr. Koray KAVLAK

4th Year Term 7 - Technical Elective Courses IV								
Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210706	Hydraulic Machines	3	0	3,0	5		Ca	Prof. Dr. Saim KOÇAK
1210747	Planetary Mechanisms	3	0	3,0	5		Ca	Asst. Prof. Dr. Abdullah ÇAKAN
1210727	Mechanical Vibrations	3	0	3,0	5		Ca	Prof. Dr. Mete KALYONCU

4th Year Term 8								
Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210869	Mechanical Engineering Design II (MED II)	3	3	4,5	10	[1,2,10,11,12]	Ca	DEPARTMENT ACADEMIC STAFF
1210868	Occupational Health and Safety II	2	0	2,0	2		Ca	To be assigned
	Technical Elective V	3	0	3,0	5			
	Technical Elective VI	3	0	3,0	5			
	Technical Elective VII	3	0	3,0	5			
Total Credit		14	3	15,5	27			

4th Year Term 8 - Elective Courses (MED-II)								
Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210820	Heat and Energy Design 2 (MED II)	3	3	4,5	10	[1,2,10,11,12]	Ca	DEPARTMENT ACADEMIC STAFF
1210821	Mechanical Design 2 (MED II)	3	3	4,5	10	[1,2,10,11,12]	Ca	DEPARTMENT ACADEMIC STAFF

4th Year Term 8 - Technical Elective Courses V

Course Code	Course Name	Credit				Description	Campus/Online	Course Instructor
		T	U	Local	ECTS			
1210865	CNC Machine Tools	3	0	3,0	5		Ca	Asst. Prof. Dr. Serhat ERSOYOĞLU
1210802	Thermal Turbo Machines	3	0	3,0	5	[15]	Ca	Prof. Dr. Saim KOÇAK
1210861	Mechanical Installation	3	0	3,0	5		Ca	Assoc. Prof. Dr. Selçuk DARICI

4th Year Term 8 - Technical Elective Courses VI

1210841	Heat Exchanger Design	3	0	3,0	5		Ca	Assoc. Prof. Dr. Selçuk DARICI
1210871	Air Conditioning System Design	3	0	3,0	5		Ca	Asst. Prof. Dr. Ş. Ulaş ATMACA
1210872	Introduction to Composite Materials	3	0	3,0	5		Ca	Asst. Prof. Dr. Okan DEMİR

4th Year Term 8 - Technical Elective Courses VII

1210816	Hydraulics-Pneumatics	3	0	3,0	5		Ca	Assr. Prof. Dr. A. Serhat ERSOYOĞLU
1210834	Pumping Systems	3	0	3,0	5		Ca	Prof. Dr. Rafet YAPICI
1210873	Mechatronic Systems	3	0	3,0	5		Ca	Asst. Prof. Dr. M. Arif ŞEN