

MATEMATİK ÖĞRETMENLİĞİ LİSANS PROGRAMI (2024 GİRİŞLİ ÖĞRENCİLER)

FIRST YEAR

First Semester			
2360111	Fundamentals of Mathematics	(3-0) 3	4.5
2360123	Introduction to Number Theory	(3-0) 3	4.5
2360113	Calculus I	(4-2) 5	7.5
6390101	English for Academic Purposes I	(4-1) 4	6
2300111	Physics I (Mechanics)	(4-2) 5	6

Second Semester			
2360112	Discrete Mathematics	(3-0) 3	4.5
2360124	Introduction to Linear Algebra and Analytic Geometry	(3-0) 3	4.5
2360114	Calculus II	(4-2) 5	7.5
6390102	English for Academic Purposes II	(4-1) 4	6
2300112	Physics II (Electricity and Magnetism)	(4-2) 5	6
9010100	Introduction to Information Technology and Applications	(0-2) 0	1
3120100	Career Planning	(1-0) 0	2

SECOND YEAR

Third Semester			
4540200	Introduction to Education	(3-0) 3	5
2360213	Calculus III	(3-2) 4	7.5
2360261	Linear Algebra I	(4-0) 4	10
6390211	Academic Oral Presentation Skills	(3-1) 3	4
2402201	Principles of Kemal Atatürk I	(2-0) 0	2
5710240	Programming with Python for Engineers	(2-2) 3	4

Fourth Semester			
	Restricted Elective I (MSE 210)		
2360214	Mathematical Analysis	(3-2) 4	7.5
2360262	Linear Algebra II	(4-0) 4	9
2360268	Abstract Algebra II	(3-2) 4	7.5
2402202	Principles of Kemal Atatürk II	(2-0) 0	2
Elective*	(Elective-1)	(?-?) 3	

THIRD YEAR

Fifth Semester			
2360343	Ordinary Differential Equations	(4-0) 4	7
	Restricted Elective II (MSE 326)		
6390311	Advanced Communication Skills	(3-1) 3	4
6420305	Oral Communication	(2-0) 2	3
2460201	Introduction to Probability & Stat. I	(3-0) 3	6
4600321	Teaching and Learning Secondary School Mathematics I	(3-0) 3	5

Sixth Semester			
4600305	Assessment of Learning in Science and Mathematics	(3-0) 3	6
	Restricted Elective III (MSE 329)		
2360201	Elementary Geometry	(3-0) 3	4.5
2460202	Introduction to Probability & Stat. II	(3-0) 3	6
4600322	Teaching and Learning Secondary School Mathematics II	(3-0) 3	5
6420306	Written Expression	(2-0) 2	3
	Restricted Elective IV (MSE 288)		

FOURTH YEAR

Seventh Semester			
4600409	Practice Teaching I	(2-6) 5	10
4600451	Teaching and Learning Secondary School Mathematics III	(3-0) 3	5
4540304	Classroom Management	(3-0) 3	5
	Restricted Elective V (MSE 431)		
Departmental Elective***	(Departmental Elective-1)	(?-?) 3	
Restricted Elective**	Restricted Elective	(?-?) 3	

Eighth Semester			
4600410	Practice Teaching II	(2-6) 5	10
4540424	Guidance	(3-0) 3	5
4600452	Teaching and Learning Secondary School Mathematics IV	(3-0) 3	5
Restricted Elective**	Restricted Elective	(?-?) 3	
Departmental Elective***	(Departmental Elective-2)	(?-?) 3	
Elective*	(Elective-2)	(?-?) 3	

All electives must be at least 3 METU credits.

* Elective: Courses offered by any department.

** Restricted Elective (If indicated, MSE 210, MSE 326, MSE 329, MSE 288, MSE 431).

** Restricted Elective (If any particular course is not indicated, 3xxx and 4xxx levels mathematics courses except MATH 223, MATH 321, MATH 387, MATH 388, MATH 395, MATH 470, MATH 486, MATH 373)

*** Departmental Elective: Courses offered by the Department of Mathematics and Science Education (either with MSE or SSME codes)