

ELEMENTARY MATHEMATICS EDUCATION (EME)
Program for Students who Started Department in 2018

FIRST YEAR

First Semester			Second Semester		
MATH 111	Fundamentals of Mathematics	(3-0) 3	MATH 118	Calculus II	(4-2) 5
MATH 117	Calculus I	(4-2) 5	MATH 116	Basic Algebraic Structures	(3-0) 3
ENG 101	English for Academic Purposes I	(4-0) 4	ENG 102	English for Academic Purposes II	(4-0) 4
EDS 115	Introduction to Education	(2-0) 2	EDS 125	Educational Psychology	(2-0) 2
EDS 240	Educational Sociology	(2-0) 2	EDS 255	Educational Philosophy	(2-0) 2
CEIT 105	Information Technology in Education	(3-0) 3	HIST 2202	Principles of Kemal Atatürk II	(0-2) 0
HIST 2201	Principles of Kemal Atatürk I	(0-2) 0	Free Elective*	(MATH 112) Discrete Mathematics	(3-0) 3

SECOND YEAR

Third Semester			Fourth Semester		
EDS 266	Instructional Technologies	(2-0) 2	4540213	History of Turkish Education	(2-0) 2
EDS 212	Instructional Principles and Methods	(2-0) 2	4540214	Research Methods in Education	(2-0) 2
MSE 268	Approaches to Teaching and Learning Mathematics	(2-0) 2	4600288	Community Service	(1-2) 2
MATH 115	Analytic Geometry	(3-0) 3	4600252	Middle School Mathematics Curricula	(2-0) 2
MATH 260	Linear Algebra	(3-0) 3	4600262	Algorithms and Programming	(2-0) 2
TURK 305	Oral Communication	(2-0) 2	6420306	Written Expression	(2-0) 2
	Educational Elective		Free Elective*	ENG 211 Academic Oral Presentat. Skills	(3-0) 3
	Free Elective			Educational Elective	
Elective	MSE 363 Teaching Elem. School Math. MSE 366 Computer-Assisted Math. Teach.	(2-0) 2	Elective	MSE 363 Teaching Elem. School Math. MSE 366 Computer-Assisted Math. Teach.	(2-0) 2

THIRD YEAR

Fifth Semester			Sixth Semester		
MSE 305	Assessment of Learning in Science and Mathematics	(3-0) 3	EDS 304	Classroom Management	(3-0) 3
STAT 201	Introduction to Probability and Statistics I	(3-0) 3	STAT 202	Intr. to Probability and Statistics II	(3-0) 3
MSE 341	Methods of Teaching Mathematics in Middle Schools I	(2-2) 3	MSE 342	Methods of Teaching Mathematics in Middle Schools II	(2-2) 3
	Elective I		ENG 311	Advanced Communication Skills	(3-1) 3
				Restricted Elective I	
				Elective II	

FOURTH YEAR

Seventh Semester			Eighth Semester		
MSE 417	School Experience	(1-4) 3	MSE 418	Practice Teaching	(2-6) 5
MSE 441	Methods of Teaching Mathematics in Middle Schools III	(2-2) 3	EDS 424	Guidance	(3-0) 3
MATH 303	History of Mathematical Concepts I	(3-0) 3	EDS 416	Turkish Educational System and School Management	(3-0) 3
4100465	Nature of Mathematical Knowledge for Teaching	(3-0) 3		Elective III	
	Restricted Elective II			Elective IV	

Electives must be at least 3 METU credits and 5 ECTS credits each.

*30 Temmuz 2019 tarihli Üniversite Senato Kararı'na (Toplantı No: 2019/7; Karar No:1) göre Free Elective kategorisindeki derslerden biri MATH 112 Discrete Mathematics ve ENG 211 Academic Oral Presentation Skills dersi olmalıdır.

Restricted electives: Courses with MSE or MATH codes