

ELEMENTARY MATHEMATICS EDUCATION (EME)
Program for Students who Started Department in 2019

FIRST YEAR

First Semester

MATH 111	Fundamentals of Mathematics	(3-0) 3
MATH 117	Calculus I	(4-2) 5
ENG 101	English for Academic Purposes I	(4-0) 4
EDS 115	Introduction to Education	(2-0) 2
EDS 240	Educational Sociology	(2-0) 2
CEIT 105	Information Technology in Education	(3-0) 3
HIST 2201	Principles of Kemal Atatürk I	(0-2) 0

Second Semester

MATH 118	Calculus II	(4-2) 5
MATH 116	Basic Algebraic Structures	(3-0) 3
ENG 102	English for Academic Purposes II	(4-0) 4
EDS 125	Educational Psychology	(2-0) 2
EDS 255	Educational Philosophy	(2-0) 2
HIST 2202	Principles of Kemal Atatürk II	(0-2) 0
Free Elective*	(MATH 112) Discrete Mathematics	(3-0) 3

SECOND YEAR

Third Semester

MATH 219	Introduction to Differential Equations	(4-0) 4
STAT 201	Intr. to Probability and Statistics I	(3-0) 3
MSE 221	Instructional Principles and Methods	(2-2) 3
PHYS 181	Basic Physics I	(4-2) 5
4300101	Introduction to Computer Programming	(2-2) 3
2360115	Analytic Geometry	(3-0) 3

Fourth Semester

ENG 211	Academic Oral Presentation Skills	(3-0) 3
STAT 202	Intr. to Probability and Statistics II	(3-0) 3
MATH 201	Elementary Geometry	(3-0) 3
MSE 241	Introduction to Mathematics Education	(3-0) 3
PHYS 182	Basic Physics II	(4-2) 5

THIRD YEAR

Fifth Semester

MSE 305	Assessment of Learning in Science and Mathematics	(3-0) 3
MSE 288	Community Service	(1-4) 3
TURK 305	Oral Communication	(2-0) 2
MSE 341	Methods of Teaching Mathematics in Middle Schools I	(2-2) 3
MATH 260	Linear Algebra	(3-0) 3
	Elective I	

Sixth Semester

MSE 329	Instructional Technology and Material Development	(2-2) 3
EDS 304	Classroom Management	(3-0) 3
TURK 306	Written Expression	(2-0) 2
MSE 342	Methods of Teaching Mathematics in Middle Schools II	(2-2) 3
	Restricted Elective I	
	Elective II	

FOURTH YEAR

Seventh Semester

MSE 417	School Experience	(1-4) 3
MSE 431	Research Methods in Education	(3-0) 3
MSE 441	Methods of Teaching Mathematics in Middle Schools III	(2-2) 3
MATH 303	History of Mathematical Concepts I	(3-0) 3
ENG 311	Advanced Communication Skills	(3-1) 3
	Restricted Elective II	

Eighth Semester

MSE 418	Practice Teaching	(2-6) 5
EDS 424	Guidance	(3-0) 3
EDS 416	Turkish Educational System and School Management	(3-0) 3
	Elective III	
	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 2360112 Discrete Mathematics dersi olmalıdır.

Restricted electives: Courses with MSE or MATH codes