

FEN BİLGİSİ ÖĞRETMENLİĞİ LİSANS PROGRAMI

FIRST YEAR

First Semester				Second Semester			
Course Code	Course Name	Credit	ECTS	Course Code	Course Name	Credit	ECTS
2300181	Basic Physics I	(4-2)5	6.5	2300182	Basic Physics II	(4-2)5	6.5
2340101	General Chemistry I	(4-2)5	7.5	2340102	General Chemistry II	(4-2)5	7.5
2360117	Calculus I	(4-2)5	7.5	236 118	Calculus II	(4-2)5	7.5
6390101	English for Academic Purposes I	(4-1)4	6	6390102	English for Academic Purposes II	(4-1)4	6
4540200	Introduction to Education	(3-0)3	5.0		Restricted Elective I (CEIT100)	(3-0)3	4
Toplam		22	32.5	238 0140	Biology I	(2-2)3	4
				312 0100	Career Planning	(1-0)0	2
				Toplam		25	35.5

SECOND YEAR

Third Semester				Fourth Semester			
Course Code	Course Name	Credit	ECTS	Course Code	Course Name	Credit	ECTS
2300283	Optics and Modern Physics	(4-0)4	7	2340282	Fundamentals of Organic Chemistry	(3-0)3	5
564 0231	Elements of Geology	(3-0)3	5	2380242	Biology III	(2-2)3	4
2380241	Biology II	(2-2)3	4	460 0288	Community Service	(1-4)3	4
4540220	Educational Psychology	(3-0)3	5	460 0349	History and Nature of Science	(3-0)3	5
2402201	Principles of Kemal Ataturk I	NC	2	2402202	Principles of Kemal Ataturk II	NC	2
6390211	Academic Oral Presentation Skills	(3-1)3	4		Elective I		
4600 221	Instructional Principles and Methods	(2-2)3	6		Elective II		
Toplam		19	33	Toplam		12	20

THIRD YEAR

Fifth Semester				Sixth Semester			
Course Code	Course Name	Credit	ECTS	Course Code	Course Name	Credit	ECTS
	Restricted Elective II (MSE431)	(3-0)3	6	4600 305	Assessment of Learning in Science and Mathematics	(3-0)3	6
4600301	Methods of Science Teaching in Middle Schools I	(2-2)3	6	4600302	Methods of Science Teaching in Middle Schools II	(2-2)3	6
6420305	Oral Communication	(3-0)2	3	6420 306	Written Communication	(2-0)2	3
4600329	Instructional Technology and Material Development	(2-2)3	5	4540304	Classroom Management	(3-0)3	5
4600309	Statistical Applications in Education	(2-2)3	4	864 0200	Introductory Astronomy	(3-0)3	4
6390311	Advanced Communication Skills	(3-1)3	4	4600303	Laboratory Applications in Science Teaching I	(2-2)3	6
	Elective III						
Toplam		17	28	Toplam		17	30

FOURTH YEAR

Seventh Semester				Eighth Semester			
Course Code	Course Name	Credit	ECTS	Course Code	Course Name	Credit	ECTS
4600 487	Environmental Science	(2-2)3	6	4600 410	Practice Teaching II	(2-6)5	10
4600 409	Practice Teaching I	(2-6)5	10	4540 416	Turkish Educational System and School Man.	(3-0)3	5
4600 401	Interdisciplinary Science Teaching	(2-2)3	4	4540424	Guidance	(3-0)3	5
	Elective IV				Departmental Elective IV		
	Elective V				Elective VII		
	Elective VI						
Toplam		9	16	Toplam		11	20

Restricted Electives: CEIT 100, MSE 431