

# 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		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