

**T.C. YOZGAT BOZOK UNIVERSITY EDUCATIONAL FACULTY**  
**ELEMENTARY SCIENCE EDUCATION UNDERGRADUATE PROGRAM**

1 <sup>th</sup> SEMESTER					
CODE	COURSE NAME	T	P	C	ECTS
MB 001 Z	Introduction to Education	2	0	2	3
MB 003 Z	Educational Sociology	2	0	2	3
GK 101 Z	Atatürk's Prin. & A His. Rev. 1	2	0	2	3
GK 103 Z	Foreign Language 1	2	0	2	3
GK 105 Z	Turkish Language 1	3	0	3	5
GK 107 Z	Information Technologies	3	0	3	5
FBE 101 AZ	Pyysics 1	2	2	3	3
FBE 103 AZ	Chemistry 1	2	2	3	3
FBE 105 AZ	General Mathematics 1	2	0	2	2
<b>Total</b>		<b>20</b>	<b>4</b>	<b>20</b>	<b>30</b>

2 <sup>th</sup> SEMESTER					
CODE	COURSE NAME	T	P	C	ECTS
MB 002 Z	Educational Psychology	2	0	2	3
MB 013 Z	Educational Philosophy	2	0	2	3
GK 102 Z	Atatürk's Prin. & A His. Rev. 2	2	0	2	3
GK 104 Z	Foreign Language 2	2	0	2	3
GK 106 Z	Turkish Language 2	3	0	3	5
FBE 102 AZ	Pyysics 2	2	2	3	3
FBE 104 AZ	Chemistry 2	2	2	3	3
FBE 106 AZ	Biology 1	2	2	3	4
FBE 108 AZ	General Mathematics 2	2	0	2	3
<b>Total</b>		<b>19</b>	<b>6</b>	<b>22</b>	<b>30</b>

3 <sup>th</sup> SEMESTER					
CODE	COURSE NAME	T	P	C	ECTS
MB 007 Z	Educational Research Methods	2	0	2	3
MB 005 Z	Instructional Principles and Methods	2	0	2	3
MBS-I	Elective 1	2	0	2	4
GKS-I	Elective 1	2	0	2	3
FBEAS-I	Elective 1	2	0	2	4
FBE 201 AZ	Approaches to Scientiific Tecahing and Learning	2	0	2	3
FBE 203 AZ	Biology 2	2	2	3	4
FBE 205 AZ	Pyysics 3	2	2	3	3
FBE 207 AZ	Chemistry 3	2	2	3	3
<b>Total</b>		<b>18</b>	<b>6</b>	<b>21</b>	<b>30</b>

4 <sup>th</sup> SEMESTER					
CODE	COURSE NAME	T	P	C	ECTS
MB 004 Z	Turkish Education History	2	0	2	3
MB 006 Z	Instructional Technology	2	0	2	3
MBS-II	Elective 2	2	0	2	4
GKS-II	Elective 2	2	0	2	3
FBEAS-II	Elective 2	2	0	2	4
GK 202 Z	Community Service Practices	1	2	2	3
FBE 202 AZ	Science Teaching Programs	2	0	2	3
FBE 204 AZ	Biology 3	2	2	3	4
FBE 206 AZ	Geology	2	0	2	3
<b>Total</b>		<b>17</b>	<b>4</b>	<b>19</b>	<b>30</b>

5 <sup>th</sup> SEMESTER					
CODE	COURSE NAME	T	P	C	ECTS
MB 008 Z	Türkisch Education System and School Admins.	2	0	2	3
MB 009 Z	Measurement and Evaluation	2	0	2	3
MBS-III	Elective 3	2	0	2	4
GKS-III	Elective 3	2	0	2	3
FBEAS-III	Elective 3	2	0	2	4
FBE 301 AZ	Science Teaching 1	3	0	3	6
FBE 303 AZ	Laboratory Applications in Science 1	1	2	2	4
FBE 305 AZ	Astronomy	2	0	2	3
<b>Total</b>		<b>16</b>	<b>2</b>	<b>17</b>	<b>30</b>

6 <sup>th</sup> SEMESTER					
CODE	COURSE NAME	T	P	C	ECTS
MB 010 Z	Educational Ethics	2	0	2	3
MB 011 Z	Classroom Management	2	0	2	3
MBS-IV	Elective 4	2	0	2	4
GKS-IV	Elective 4	2	0	2	3
FBEAS-IV	Elective 4	2	0	2	4
FBE 302 AZ	Science Teaching 2	3	0	3	6
FBE 304 AZ	Laboratory Applications in Science 2	1	2	2	4
FBE 306 AZ	Scientific Reasonnig	2	0	2	3
<b>Total</b>		<b>16</b>	<b>2</b>	<b>17</b>	<b>30</b>

7 <sup>th</sup> SEMESTER					
CODE	COURSE NAME	T	P	C	ECTS
MB 401 Z	Teaching Practice 1	2	6	5	12
MB 014 Z	Guidance in School	2	0	2	3
MBS-V	Elective 5	2	0	2	4
FBEAS-V	Elective 5	2	0	2	4
FBE 401 AZ	Interdisciplinary Science Teaching	2	0	2	4
FBE 402 AZ	Enviroment Education	2	0	2	3
<b>Total</b>		<b>12</b>	<b>6</b>	<b>15</b>	<b>30</b>

VIII. SEMESTER					
CODE	COURSE NAME	T	P	C	ECTS
MB 402 Z	Teaching Practice 2	2	6	5	12
MB 012 Z	Special Education and Inclusion	2	0	2	3
MBS-VI	Elective 6	2	0	2	4
FBEAS-VI	Elective 6	2	0	2	4
FBE 402 AZ	Out of School Learning Environments in Science Teaching	2	0	2	4
FBE 404 AZ	Teaching of Nature of Science	2	0	2	3
<b>Total</b>		<b>12</b>	<b>6</b>	<b>15</b>	<b>30</b>

FINAL TOTAL	T	P	C	ECTS	HOUR	PERCENTAGE
Vocational Knowledge	44	12	50	90	56	34
General Knowledge	26	2	27	42	28	18
Field Knowledge	60	22	71	108	82	48
Total	130	36	148	240	166	100

- MB ... Z:** Educational Faculty Vocational Knowledge Courses  
**GK ... Z:** Educational Faculty General Knowledge Courses  
**FBE .... :** Educational Faculty Science Education Field Knowledge Courses  
**MB ... S:** Educational Faculty Science Education Vocational Knowledge Elective Courses  
**GK ... S:** Educational Faculty Science Education General Knowledge Elective Courses  
**FBE ... AS:** Educational Faculty Science Education Field Knowledge Elective Courses  
**FBE...AZ:** Educational Faculty Science Education Field Knowledge Compulsory Courses

**ELECTIVE COURSES**

<b>CODES</b>	<b>VOCATIONAL KNOWLEDGE -I, II, III, IV, V, VI ELECTIVE COURSES</b>
MB 001 S	Open and Distance Learning
MB 002 S	Child Psychology
MB 003 S	Attention-Deficit Hyperactivity Disorder
MB 004 S	Educational Law
MB 005 S	Educational Antropology
MB 006 S	Education History
MB 007 S	Drama in Education
MB 008 S	Extracurricular Activities
MB 009 S	Curriculum Development in Education
MB 010 S	Project Preparation in Education
MB 011 S	Critical and Analytical Thinking
MB 012 S	Education of Children in Hospital
MB 013 S	Comprehensive Education
MB 014 S	Character and Value Education
MB 015 S	Comparative Education
MB 016 S	Mmicroteaching
MB 017 S	Museum Education
MB 018 S	Out of School Learning Environments
MB 019 S	Learning Disability
MB 020 S	Individualization and Adaptation of Teaching
MB 021 S	Sustainable Development and Education
MB 022 S	Adult Education and Lifelong Learning

<b>CODES</b>	<b>FIELD KNOWLEDGE -I, II, III, IV, V, VI ELECTIVE COURSES</b>
FBE 001 AS	Applications of Science to Technology
FBE 002 AS	Science Book Review
FBE 003 AS	Misconceptions in Science Teaching
FBE 004 AS	Material Design in Science Teaching
FBE 005 AS	Problems Based on Science and Technology
FBE 006 AS	Human Anatomy and Physiology
FBE 007 AS	Chemical Waste and Environmental Pollution
FBE 008 AS	Evaluation of Classroom Learning
FBE 009 AS	Turkey's Biodiversity
FBE 010 AS	Renewable Energy Sources

<b>CODES</b>	<b>GENERAL KNOWLEDGE -I, II, III, IV ELECTIVE COURSES</b>
GK 001 S	Addiction and Fight Against Addiction
GK 002 S	Nutrition and Health
GK 003 S	History and Philosophy of Science
GK 004 S	Science and Research Ethics
GK 005 S	Economics and Entrepreneurship
GK 006 S	Traditional Turkish Handicrafts
GK 007 S	Human Rights and Democracy Education
GK 008 S	Human Relations and Communication
GK 009 S	Career Planning and Development
GK 010 S	Culture and Language
GK 011 S	Media Literacy
GK 012 S	Professional English
GK 013 S	Art and Aesthetics
GK 014 S	Turkish Folk Dances
GK 015 S	Turkish Sign Language
GK 016 S	Turkish Culture Geography
GK 017 S	Turkish Music
GK 018 S	Turkish Art History