

SOCRATES PROGRAMME
Education, Audivisual and Culture
Executive Agency
European Commision,
BOUR - B-1049 BRUSSELS



1. INFORMATION ON THE NATIONAL EDUCATION SYSTEM (TURKEY)

The basic structure of the Turkish National Education system consists of four main stages as pre-school education, primary education, secondary education and higher education.

Pre-school education encompasses training for those who have not as yet arrived at compulsory school age, and is optional for the children between the ages of 4-6.

Primary education is a compulsory 8 year program for all children (**grades 1-8**; ages 7-15). This is compulsory schooling for both boys and girls, in state operated schools where tuition is free.

The upper secondary education (Lycees) system includes "General High Schools" and "Vocational and Technical High Schools". Secondary education comprises a minimum of 3 years schooling in lycees and professional and technical schools (**grades 9-11**; ages 15-18).

The aim of lycees is to secure a level of general culture, develop an awareness of individual and community problems and be able to contribute to the economic, social and cultural growth of the country and to prepare the students for higher education.

Lycees encompass the Anatolian Lycees, Science Lycees, Teachers' Lycees of Fine Arts, Anatolian Teacher Training Lycees, Multi- programme Lycees, Evening Lycees and Private Lycees.

Since 1997 (following the new system which replaced the former system of five years of primary school, followed by three years of middle school/junior high school/lower secondary school education), secondary education follows eight years of primary education and covers general, vocational and technical high schools that provide three years of education and four in the case of technical high schools. General high schools do not prepare students for a specific profession but rather for higher education. The following institutions are considered to fall within general secondary education: high schools; high schools with intensive foreign language teaching; Anatolian high schools where a foreign language - English, French or German - is taught during the preparatory year and the teaching of certain subjects is provided in that language in upper grades; science high schools; teacher training high schools; Anatolian fine arts schools; multi-curricula high schools; evening high schools; and private high schools. In general high schools, the average number of weekly periods of teaching in each grade varies from a minimum of 33 to a maximum of 41. In their second year, students in high schools where the general programme is applied may choose to attend branches which specialize in the natural sciences, literature and mathematics, the social sciences, foreign

languages, art or physical education. Vocational high schools provide three-year secondary education, train qualified people for various professions and also prepare students for higher education. Technical high schools offer a four-year programme. Subjects offered in the first year are the same as in the vocational high schools. Secondary education students obtain the Lise Diploması which is the prerequisite for entry to higher education. Admission to university is centralized and based on the Student Selection Examination (ÖSS). Those with good grades (minimum 120) are qualified for the four-year undergraduate programmes. Those who have grades between 105 and 119 can be admitted to the two-year higher education programmes.

ADMISSIONS TO UNIVERSITIES (HIGHER EDUCATION)

Name of secondary school credential required: Lycee Diploma

For entry to: all programmes

Entrance exams required: Since 1999, the entrance examination system has been essentially based on a one-stage examination, namely the ÖSS (The Student Selection Examination) which comprises two tests. One is to measure candidates' verbal ability and the other their quantitative abilities. ÖSS is usually taken in May throughout the country in a single session and at the same time in all centres. ÖSS consists of five parts: Natural Sciences, Mathematics, Turkish, Social Sciences and a foreign language. Admission is based on the composite scores which take into account the ÖSS scores and the high school grade point averages.

Higher education:

Higher education is provided by 115 state universities and 26 foundations (private universities).

Higher education is defined as all post-secondary programs. The system consists of universities (state and foundation) and non-university institutions of higher education (police and military academies and colleges). Each university consists of faculties and four-year schools offering bachelor's level programs, the latter with a vocational emphasis, and two year vocational high schools offering pre-bachelor's (associate's) level programs of a strictly vocational nature.

The Higher Education Law No. 2547 is the main law, which governs the higher education in Turkey. All universities (both state and foundation) are subject the same law and regulations/rules. All state and foundation universities are founded by Law.

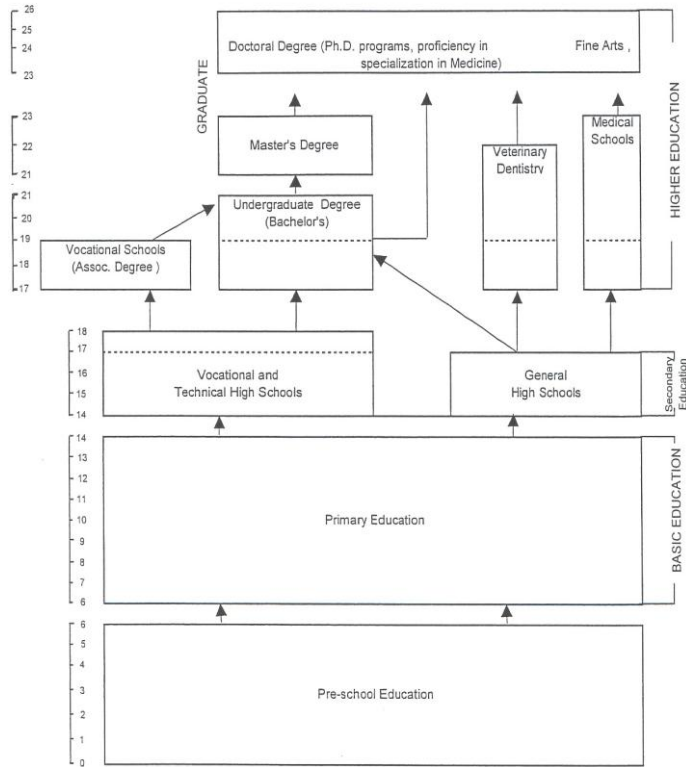
Admission to higher education is based on a nation-wide Student Selection Examination (ÖSS). The examination is held once a year and is administered by the Student Selection and Placement Center (ÖSYM). Candidates gain access to institutions of higher education based on their composite scores consisting of the scores on the selection examination and their high school grade point averages.

Graduate-level programs consist of master's and doctoral programs, coordinated by graduate schools. Master's programs are specified as programs "with thesis" or "without thesis". Programs "without thesis" require completion of more graduate courses and a term project. The duration of these programs is a minimum of two years. In general, access to doctoral programs requires a master's degree, unless the students' performance at Bachelor's

degree is evaluated as exceptionally well. Doctoral programs have a duration of a minimum of four years which consists of completion of courses, passing a doctoral qualifying examination, and preparing and defending a doctoral dissertation. Medical specialization programs are equivalent to doctoral level programs and carried out within the faculties of medical schools with hospitals.

The Higher Education System is regulated by the Council of Higher Education (Yüksek Öğretim Kurulu-YÖK).

General Structure of the Turkish Education System



BAYBURT EDUCATION FACULTY

Turkey has a total of 115 universities. There are 61 state and 5 foundation (private) education faculties belonging to the universities. Bayburt Education Faculty is one of the two education faculty of the Atatürk University.

Compared to the past, the continuously changing role of teachers in teaching-learning process has become more important in the recent years. Traditionally, teacher is perceived as the unique source and the transmitter of knowledge. However, today teacher has become a guide who not only explains the subject matter but also facilitates the learning process.

In the context of the recent reform efforts in faculties of education in Turkey, **Department of Elementary Education** was established at Bayburt Education Faculty in 2002. The department currently runs two teacher education programs:

a. Primary School Teacher Education

b. Elementary Science Teacher Education (general science training for the grades 6-8; ages 13-15)

a. Primary School Teacher Education: Teachers graduated from Primary School Teacher Education department is responsible of teaching all subjects **for the grades 1-5; ages 7-12.**

b. Elementary Science Teacher Education Teachers graduated from Elementary Science Teacher Education department is responsible of teaching science (physics, chemistry and biology) **for the grades 6-8; ages 13-15.**

In addition to normal teacher education program Bayburt Education Faculty has **evening teacher training program** too. Evening education program starts at 17:00 am lasts 23:00 am, except Sundays.

DEPARTMENT OF ELEMENTARY SCIENCE EDUCATION

General Information on Undergraduate Program

The main purpose of the program is to educate science teachers with a good self-image, an outgoing personality, a sense of humour and an interest in helping their students to understand science in a meaningful way. The program also aims to develop teachers with a sound understanding of how children learn science; confident in using technology; capable in problem-solving; attentive to human rights, democracy, and ethics. The program emphasises critical thinking, personal reflection, and professional development of preservice science teachers.

Undergraduate Curriculum

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of the Qualification: Fen Bilgisi Öğretmeni (Science Teacher), Lisans

2.2 Main Field(s) of Study for the Qualification: Fen Bilgisi Öğretmenliği (Science Teacher Training)

2.3 Name and Type of Awarding Institution: Ataturk University, State University
Atatürk Üniversitesi, Devlet Üniversitesi

2.4 Name and Type of Institution Administering Studies: Same as 2.3

2.5 Language(s) of Instruction/Examination: Turkish

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of Qualification: Bachelor's Degree

3.2 Official Length of Programme: 4 Years, 2 semesters per year, 14 weeks per semesters

3.3 Access Requirement(s):

High-School Diploma

Placement through a centralized national university placement examination

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of Study:

Full-time

4.2 Programme Requirements:

The Bachelor's Degree is awarded to students who have successfully completed all courses in the curriculum, and have obtained a cumulative grade point average of at least 2.00 on a 4.00 scale and have got no failing grades.

Objectives

The objectives of the department are to supply an overall and comprehensive outlook on physical, chemical, biological and educational issues, to understand science, its practical application in everyday life,

learning and teaching, and develop skills in teaching science at elementary level.

4.3 Components, courses, modules or units studied and individual grades obtained

Course Code	Course Title	Course Category	Credits	Grade	ECTS
Semester 1					
101	PHYSICS I	REQUIRED COURSE	5		5
103	CHEMISTRY I	REQUIRED COURSE	5		5
105	MATHEMATICS I	REQUIRED COURSE	4		4
107	THE HISTORY OF ATATURK'S PRINCIPLES AND REVOLUTIONS I	REQUIRED COURSE	0		3
109	TURKISH-I:WRITING	REQUIRED COURSE	2		5
111	INTRODUCTION TO TEACHING PROFESSION	REQUIRED COURSE	3		8
			19		30
Semester 2					
102	PHYSICS II	REQUIRED COURSE	5		5
104	CHEMISTRY II	REQUIRED COURSE	5		5
106	MATHEMATICS II	REQUIRED COURSE	4		4
108	THE HISTORY OF ATATURK'S PRINCIPLES AND REVOLUTIONS II	REQUIRED COURSE	0		3
110	TURKISH-II:WRITING	REQUIRED COURSE	2		5
112	SCHOOL EXPERIENCE I	REQUIRED COURSE	3		8
			14		30
Semester 3					
201	BIOLOGY I	REQUIRED COURSE	5		5
203	CHEMISTRY III	REQUIRED COURSE	2		4
206	MATHEMATICS III	REQUIRED COURSE	4		4
207	COMPUTER	REQUIRED COURSE	3		7
209	DEVELOPMENT AND LEARNING	REQUIRED COURSE	3		7
YD-I	FOREIGN LANGUAGE I	REQUIRED COURSE	3		3
			20		30
Semester 4					
202	BIOLOGY II	REQUIRED COURSE	5		5
204	PHYSIC III	REQUIRED COURSE	2		4
206	CHEMISTRY IV	REQUIRED COURSE	2		4
208	MATHEMATICS IV	REQUIRED COURSE	4		4
210	PLANNING AND ASSESSMENT TEACHING	REQUIRED COURSE	4		8
YD-I	FOREIGN LANGUAGE II	REQUIRED COURSE	3		5
			20		30
Semester 5					
301	PHYSIC IV	REQUIRED COURSE	2		3
303	BIOLOGY III	REQUIRED COURSE	2		3
306	LAB. APPLICATIONS IN SCIENCE I	REQUIRED COURSE	3		4
307	MATHEMATICS V	REQUIRED COURSE	3		7

successful in credit courses. The grade of (DC) and (DD) are given to students who are conditionally successful in credit courses. The grade of (F) is given to the students who are not successful in credit courses.

4.5 Overall Classification of the Qualification:

Yüksek Onur Öğrencisi

EXAMINATION: For one semester (nearly 14 weeks) there are **two midterm exams** and a **final exam**. One of the midterm exam may be as homework(report), research, project, term paper.

EDUCATION of UPPER SECONDARY (HIGH SCHOOL) TEACHERS

Physics, Chemistry, Biology, Math Teachers for high schools (16-18 ages) have to get their branch lessons (eg. Botanic, zoology) during 7 semesters, and then they also have to get pedagogical lessons during 3 semesters. At the end of 10 semester=5 years they get **Master of science diploma**(with out MSc thesis). This is the only license or diploma for working as “teacher” on their branches. But in order to work for government schools they have to get enough mark from the **KPSS exams** which applied by government for teacher candidates.