

TECHNICAL UNIVERSITY - VARNA

FACULTY OF MARINE SCIENCE AND ECOLOGY

Approved by:

Rector:.....

/Prof. Dr. Eng. O. Farhi/

QUALIFICATION CHARACTERISTIC

Speciality: **AGRONOMY**

Educational-qualification degree: **“BACHELOR”**

Area of Higher Education: **6. AGRARIAN SCIENCES AND VETERINARY MEDICINE**

Professional orientation: **6.1. PLANT GROWING**

Professional qualification: **AGRONOMIST**

The present qualification characteristic defines the purpose and scope of career, the areas of professional development and requirements to graduates "Agronomy" degree "Bachelor". It corresponds to the Law on Higher Education (SG. 112/1995, and amended.), to the State Register of Educational Qualifications (Decree No. 86 SG. 24/1997), to the Regulations of the State Requirements for Acquiring Higher Education in Educational Degrees "Bachelor", "Master" and "Specialist" (Decree № 162/23.07.2002, SG No. 76/2002) and to the Classification of Higher Education and Professional Fields (Decree № 125/24.06.2002, SG No. 64/2002)

1. Purpose and scope of career

The main objective of the training is to form highly qualified specialists with career skills for plant production and management of agricultural production.

Graduates "Agronomy" acquire degree "Bachelor" professional qualification "Agronomist" and can perform the following activities:

- Technology management in agricultural production growing crop with making all required for this decision - assessment of the production, selection of crop varieties and technology, managing a team of technical executives, implementation of production technologies;
- Experts, advisors, leaders in agricultural companies;
- Experts on agricultural production in the state, county, municipal structures, credit institutions and NGOs.

2. Requirements for the training of specialists

Students will develop their knowledge and skills in the study of complex subjects for four years.

Fundamental and theoretical study courses include training in: Mathematics, General Chemistry, Physics with Biophysics' Bases, Informatics, Botany, Physiology and Biochemistry of Plants, Genetics and Biotechnologies, General Microbiology, Agro-meteorology, Soil Science, Ecology, Statistics and Biometrics.

Specialized training includes courses in the following areas:

- Cultivation of Crops - General Agriculture, Agrochemistry, Plant-growing in 3 parts (Grain Crops, Industrial and Etheric Crops, Fodder Crops), Vine-growing, Fruit-growing - Part 1 and 2, Vegetable-growing, Breeding and Seed Production of Cultivated Plants, Plant Products Quality, Agricultural Meliorations, Biological Agriculture and Agro-ecology;
- Plant Protection in 4 parts - Herbology, Plant Pathology, Entomology, Integrated Plant Protection;
- Mechanization of Agriculture - Power Machinery, Agricultural Machinery and Mechanized Technologies and Machine and Tractor Fleet Mechanization;
- Economics and Management - Economics, State Policy on Social Security and Insurance in the Agricultural Sector, Accounting of Agrarian Company, Agricultural Tourism, Assessment of Agricultural Lands, Lending of Agricultural Production.

As an integral part of the practical training in specialized agronomic disciplines are the student training practices and production activities. At the end of the educational process an obligatory practical training is provided.

The training ends with a thesis or a state exam.

Students who successfully completed their studies at degree "Bachelor" may continue their education in degree "Master".

The qualification characteristic was approved by the Council of the Department of 'Plant-growing' (Protocol №15/14.05.2012).

Head of Department "Plant-growing"
/Ass. Prof. Dr. D. Plamenov/

The qualification characteristic was approved by the Council of the Faculty of Marine Science and Ecology (Protocol №17/21.05.2012).

Dean of FMSE:.....
/Ass. Prof. Dr. Eng. N. Minchev/

The qualification characteristic was approved by the Academic Council of the TU Varna (Protocol №14/11.06.2012).