

**FACULTY OF AGRONOMY – VIETNAM NATIONAL UNIVERSITY OF
AGRICULTURE**

**INTRODUCTION OF CURRICULUM
CROP SCIENCE**

Objectives: The Crop Science program provides students with the most basic and modern knowledge of crop science. After graduating, students have the ability to manage crop production effectively and sustainably, and know how to apply and transfer modern agricultural technical advances in cultivation.

Training period: 4 years, awarded bachelor's degree in Crop Science

Knowledge is equipped for learners:

The program is designed according to the credit system (including 120 credits). Students are equipped with in-depth knowledge of:

- Anatomy, genetics, and botany of plants
- Growth and development characteristics of plants
- Physiological and physiological characteristics of crop yield
- Ecological characteristics and production seasons of crops
- Soil characteristics and nutrient requirements for crops
- Production process of agricultural crops: Seed crops for food, tubers, short- and long-term industrial plants, vegetables, fruit trees, flowers, ornamental plants, medicinal plants...
- Pests and diseases of plants
- System of farming methods such as field cultivation, hydroponics, aeroponics, greenhouses for crops, irrigation water management, weed management, and soil conservation in crop intensification.

During the course students are provided with the following techniques:

- Techniques for growing and producing agricultural crops
- Applying the most advanced technology in the research and production of crops.
- Plant protection engineering
- Post-harvest preservation and processing techniques for crops.
- Management of production and marketing of crop products.

Teaching staff: Including 9 associate professors, 20 doctors, 15 masters and engineers, and 10 senior technicians.

Facilities and equipment: 01 central laboratory for crop science, 1 laboratory of JICA (aided by Japan), and 05 laboratories of departments, with a system of greenhouses, and field experiment areas.

Teaching and learning methods: Using advanced teaching methods, modern and updated content, meeting the level of developed countries and regions. Students have many opportunities to practice in laboratories, centers, and institutes, participate in scientific research projects...

Job opportunities and graduate study:

After graduation, engineers will have many opportunities to work in state management agencies on agriculture, agricultural extension centers, research institutes, and companies operating in the agricultural field. at home and abroad, projects on rural development, teaching at universities, professional secondary schools,

Students can continue to study for graduate (MSc) and doctoral (Ph.D.) in the fields of horticulture, plant protection, and plant breeding.

