



THAI NGUYEN UNIVERSITY OF AGRICULTURE AND FORESTRY

MASTER'S DEGREE IN CROP SCIENCE

1. Introduction

The program is therefore designed to train students to take on scientific tasks in research institutions and the private sector, offering a well-founded methodological and biotechnological education for up-and-coming crop scientists.

Within each specialization many academic disciplines are represented, including crop breeding and genetics, crop physiology and metabolism, crop production and management, agro ecology & sustainability, ecophysiology, plant breeding and genetics, food systems, small farms, weed science, seed science & technology, pedology, water science, restoration ecology, entomology, pest management, biological control, plant nutrition, organic agriculture, and waste management.

2. Curriculum

Code		Subjects	Credit
I. General courses (2 courses)			
PHI	831	Philosophy	3
ENG	851	English	5
II.1. Basic courses			
A. Core courses (13 Credits)			
PBC	821	Plant Biochemistry	2
PPH	821	Plant physiology	2
GPB	831	Genetics, plant breeding	3
PDR	821	Plant protection	2
RMC	821	Research methods	2
PNU	821	Plant nutrition	2
B. Elective courses: (8 Credits)			

AGS	821	Agricultural system	2
PPM	821	Project planning and management	2
OAF	821	Organic Agriculture	2
FSH	821	Hygiene and food safety	2
REB	821	Environmental management and livestock waste	2
OHE	821	One health	2
IMM	821	Veterinary Immunology	2
BIT	821	Application of Biotechnology	2
DSA	821	Diseases transmitted	2
IDF	821	Pest management	2
VES	821	Valuation of forest environmental services	2
SOF	821	Social forestry	2
EPC	809	Genetic	2
CIS	810	Transmission and protection of scientific information	2
TXO	811	Toxicology	2
EXT	821	Extension	2
EEN	821	Environmental ecology	2
II.2. Specialized knowledge			
A. Core courses (8 Credits)			
CER	821	Food crops (rice, corn)	2
CAS	821	Cash crops (Tea, soybeans)	2
FRU	821	Fruits	2
VEG	821	Vegetables	2
B. Elective courses (8 Credits)			
FOT	821	Technology of flowers and ornamental plants	2
CRSC	821	Integrated crop management (ICM)	2
HTC	821	High technology in farming	2

GFP	821	Grassland & forage plants	2
ANW	821	Animal welfare	2
VHI	821	Animal testing	2
EPI	821	Veterinary epidemiology	2
ZON	821	Wild animal disease	2
FDP	821	Forest development planning	2
MPR	821	Market and processing of forest products	2
CDM	821	Conservation and development of medicinal plants	2
MAP	819	Animal Molecular Pathology	2
MPP	820	Plant Molecular Pathology	2
FBT	821	Fermentation technology	2
PHT	821	Postharvest technology	2
SWC	821	Sweet Potatoe, cassava	2
SUT	821	Sugarcane, Nicotiana tabacum	2
III. Thesis			15
Total credits			60