



THAI NGUYEN UNIVERSITY OF AGRICULTURE AND FORESTRY  
 Quyet Thang Commune, Thai Nguyen City, Viet Nam  
 Tel: +842086275999 \* Fax: +842082490866 \* Email: dhnl@tuaf.edu.vn

## MASTER'S DEGREE IN FOREST SCIENCE (Silviculture)

### 1. Introduction

The training program aims to provide learners with some advanced knowledge of the forestry and appropriate scientific research methods to be able to independently research and develop opinions and scientific theories. Initially, students create scientific ideas, discover and test new knowledge in the following fields: Forest regeneration and development; Forest resource management policy; Ecology and biodiversity conservation and also continue to participate in the doctoral training program in silvicultural engineering.

### 2. Curriculum

KNOWLEDGE BLOCK			CREDITS		PERCENTAGE (%)
General	Philosophy		3	8	13,33
	English		5		
Basic and Major	Basic	Cores	14	37	61,67
		Electives	8		
	Major	Cores	9		
		Electives	6		
<b>GRADUATION THESIS</b>			15		25,00
<b>TOTAL</b>			<b>60</b>		<b>100,00</b>

### COURSES

Code		Courses	Credits
Letter	Number		
<b>I. General courses ( 2 courses )</b>			
PHI	831	Philosophy	3
ENG	851	English	5
<b>II.1. Basis courses</b>			
<b>A. Core courses (10 Credits)</b>			



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BGI	821	Breeding and improving forest varieties	2
BCO	821	Biodiversity Conservation	2
FRM	821	Research methodology	2
CCF	821	Climate change in forestry	2
WSM	821	Watershed management	2
FOE	821	Forest economy	2
AGI	821	Application of GIS technology in forestry	2
<b>B. Elective courses: (10 Credits)</b>			
AGS	821	Agricultural system	2
PPM	821	Project planning and management	2
OAF	821	Organic agriculture	2
FSH	821	Hygiene and food safety	2
ELM	821	Environmental and livestock waste management	2
OHE	821	One health	2
IMM	821	Veterinary Immunology	2
BIT	821	Application of Biotechnology	2
DSA	821	Diseases transmitted between animals and humans	2
IDF	821	Forest 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
LES	821	Land assessment	2
CFV	821	Classification of forest vegetation	2
CFM	821	Conflict management in forestry	2
<b>II.2. Major courses</b>			
<b>A. Cores ( 11 Credits)</b>			
SIT	821	Silviculture	3
FRD	821	Forest Recourse Management	2



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AFF	821	Plantation	2
ARF	821	Agro-Forestry	2
FAE	821	Forest Inventory	2
<b><i>B. Electives ( 6 Credits)</i></b>			
FOT	821	Technology of flowers and ornamental plants	2
CRSC	821	Integrated crop management (ICM)	2
HTC	821	Application of high technology	2
RET	821	Reproductive technology	2
GFP	821	Grassland and forage plants	2
ANW	821	Animal welfare	2
VHI	821	Animal testing	2
EPI	821	Epidemiology	2
WAD	821	Wild animal disease	2
FDP	821	Forest resource development planning	2
MPR	821	Market and of forest product processing	2
CDM	821	Conservation and development of medicinal plants	2
MAP	819	Molecular of Animal Pathology	2
MPP	820	Molecular Pathology Plant	2
FBT	821	Fermentation technology produces	2
PRM	821	Forestry project and management	2
FDP	821	Forest resource development planning	2
MPF	821	Market and processing of forest products	2
CDM	821	Conservation and development of medicinal plants	2
RSF	821	Remote sensing in forest resource management	2
SST	821	Seminar	2
<b>III. Thesis</b>			<b>15</b>
<b>Total credits</b>			<b>60</b>



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