



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

**Program name: Credit-based Undergraduate Program**

**Level of training: Undergraduate**

**Field of study: Rural Development**

**Type of training: Full-time**

## **1. Introduction**

Rural development refers to projects and initiatives intended to improve the quality of life and economic well-being of people living in less populated areas.

The major Rural Development courses for the four-year Bachelor's level are designed to make students familiar with the basic concepts, theories and approaches of rural development with reference to Viet Nam, simple knowledge of mathematics and statistics, situation analysis of rural economy of Viet Nam and problems, issues and solutions.

Become rural development specialists and practitioners who will find solutions to rural development challenges. The graduates are experts in social, gender mainstreaming, political and economic contexts of rural settings in the fast changing economic development. The graduate are experts in building and sustaining rural institutions, regulatory frameworks, socio-economic and mechanisms to foster rural development in the contemporary environment.

## **2. Objectives**

Outline and evaluate different approaches to the management of land and water resources and their potential impact on rural development goals. Understand the special challenges of rural areas that are traditionally associated with rural and agricultural credit directed to the poor.



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### 3. Learning outcomes

- Apply basic knowledge of political theory, natural science, and social science to work practice.
- Having sufficient knowledge and application to manage and operate cooperatives in the field of agriculture and rural areas.
- Having comprehensive knowledge and application to start a business and consulting start-ups in the field of agriculture and rural areas
- Understand and apply knowledge of principles, policies and planning to solve theoretical and practical problems in agricultural and rural development
- Conduct research in the field of agricultural and rural development
- Able to use English for working
- Proficient in using a number of computer software for working
- Apply knowledge of law to develop production and business organizations in the fields of agriculture and rural areas
- Analyze economic, social and environmental movements to solve problems arising in practice of enterprises, cooperatives and localities.
- Ability to build, implement and manage projects in production organizations, economic sectors and localities.
- Apply knowledge of agricultural techniques in the production organization of enterprises, cooperatives and localities
- Analyze basic resources in production organizations and localities to serve the goal of agricultural and rural development.
- Understand and apply knowledge of marketing, agricultural market development into practice marketing activities, agricultural market development of businesses.



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#### 4. Curriculum

No	Vietnamese Name	English Name	Credits No	Theory Period No	Practice Period No	Code
<b>A. Kiến thức giáo dục đại cương</b>		<b>A. General education knowledge</b>	<b>42</b>			
<b>I. Các học phần bắt buộc</b>		<b>I. Compulsory Courses</b>	<b>10</b>			
<b>a) Lý luận chính trị</b>		<b>a) Political theory</b>				
1	Những nguyên lý cơ bản của chủ nghĩa Mac – Lenin ( Nguyên lý 1)	Fundamental Principles of Marxism and Leninism (FP1)	2	30	0	MLP121
2	Những nguyên lý cơ bản của chủ nghĩa Mac – Lenin ( Nguyên lý 2)	Fundamental Principles of Marxism and Leninism (FPII)	3	45	0	MLP132
3	Tư tưởng Hồ Chí Minh	HoChiMinh's Ideology	2	30	0	HCM121
4	Đường lối cách mạng của ĐCSVN	Revolutionary Orientation and Policies of Vietnamese Communist Party	3	45	0	VCP131
<b>b) Ngoại ngữ, Tin học, Khoa học tự nhiên, xã hội</b>		<b>b) Foreign languages, Informatics, natural and social sciences</b>	<b>28</b>			
5	Hóa học	Chemistry	4	50	20	CHE141
6	Sinh học	Biology	3	40	10	GBI121
7	Xã hội học đại cương	General Sociology	2	30	0	GSO121
8	Vật lý	Physics	2	30	0	PHY121
9	Toán cao cấp	Maths	2	30	0	MAT121



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10	Tiếng Anh 1	English 1	3	45	0	ENG131
11	Tiếng Anh 2	English 2	3	45	0	ENG132
12	Tiếng Anh 3	English 3	3	45	0	ENG133
13	Tin học đại cương	General Informatics	3	15	60	GIN131
14	Xác suất - Thống kê	Probability and Statistics	3	45	0	PST131
<b>II. Các học phần tự chọn (tích lũy đủ 10 TC)</b>		<b>Self Selection Subjects</b>	<b>4</b>			
15	Khoa học quản lý	Management Science	2	30	0	MEC121
16	Vì sinh vật đại cương	General Microorganism	2	24	12	GMI121
17	Sinh thái môi trường	Environmental Ecology	2	30	0	EEC121
18	Địa lý kinh tế Việt Nam	Vietnam Economic Geography	2	30	0	VEG121
19	Nhà nước và pháp luật	State Law	2	30	0	SLA121
20	Ô nhiễm Môi trường	Environmental Pollution	2	30	0	EPO121
21	Sinh học phân tử	Molecular Biology	2	30	0	MBI121
22	Phương pháp tiếp cận khoa học	Scientific Approach Methodology	2	30	0	SAM121
23	An toàn lao động	Works Safety and Hygenic	2	30	0	WSH121
<b>III. Giáo dục thể chất*</b>		<b>Physical Education</b>	<b>3</b>	<b>0</b>	<b>30</b>	
24	Tay không, điền kinh	Empty hands, athletics	1			PHE111+PHE112+ PHE113
25	Bóng chuyền	Volleyball	1			
26	Cầu lông	Badminton	1			
27	Đá cầu	Shuttle cock kicking	1			
28	Võ	Martial arts	1			
29	Bóng rổ	Basketball	1			



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30	Bóng đá	Soccer	1			
<b>IV. Giáo dục quốc phòng*</b>		<b>National Defense Education</b>	<b>165 periods</b>			
<b>B. Kiến thức giáo dục chuyên nghiệp</b>		<b>Professional Knowledge</b>				
<b>I. Kiến thức cơ sở ngành</b>		<b>Basic Knowledge</b>	<b>20</b>			
<b>a) Các học phần bắt buộc</b>		<b>Compeled Subjects</b>	<b>14</b>			
31	Nguyên lý phát triển nông thôn	Principles of rural development	3	45	-	PRD231
32	Chính sách phát triển nông thôn	Rural Development Policy	3	45	-	RDP231
33	Quy hoạch phát triển nông thôn	Rural Development Planning	3	45	-	RDP231
34	Hệ thống nông nghiệp	Agricultural Systems	3	45	-	ASY231
35	Xã hội học nông thôn	Rural Sociology	2	30	-	RSO221
<b>b) Các học phần tự chọn</b>		<b>b) Optional subjects</b>				
<b>(tích lũy đủ 6 TC)</b>		<b>(accumulate all 6 credits)</b>	<b>6</b>			
36	Phân tích sinh kế nông thôn	Rural livelihood analysis	3	45	-	RLA231
37	Kinh tế vi mô	Microeconomics	3	45	-	MIC231
38	Sản xuất nông nghiệp thích ứng với biến đổi khí hậu	Rural production adaptable to climate change	3	45	-	RPA231
39	Tài chính nông nghiệp	Agricultural Finance	3	45	-	AFI231
<b>II. Kiến thức ngành</b>		<b>Special Knowledge</b>	<b>33</b>			



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<b>a) Các học phần bắt buộc</b>		<b>Compeled Subjects</b>	<b>12</b>			
40	Nghiên cứu, đánh giá nông thôn	Rural study and analysis	3	45	-	RSA331
		Community Development	3	45	-	CDE331
41	Phát triển cộng đồng					
42	Kế toán doanh nghiệp	Enterprise accounting	3	39	6	EAC331
43	Ứng dụng Blockchain trong nông nghiệp	BlockChain Application in Agribusiness	3	45	-	BAA331
<b>b) Các học phần tự chọn</b>		<b>Self Selection Subjects</b>	<b>21</b>			
44	Trồng trọt chuyên khoa	Specialized cultivation	3	45	-	SCU331
45	Chăn nuôi chuyên khoa	Specialized breeding	3	45	-	SBR331
46	Kinh tế hợp tác xã	Cooperative Economics	3	45	-	CMA331
47	Xây dựng và quản lý dự án	Project planning and management	3	45	-	PPM331
48	Khởi sự kinh doanh	Entrepreneurship	3	45	-	ENT331
49	Phân tích chuỗi giá trị	Value Chain Analysis	3	45	-	VCA331
50	Phương pháp nghiên cứu khoa học	Scientific research method	3	45	-	SRM331
51	Lâm sinh tổng hợp	General Sylviculture	3	45	-	GSY331
52	Công nghệ sau thu hoạch	Post-harvest technology	3	45	-	PHT331
53	Thú y chuyên khoa	Specialized Veterinary	3	45	-	DCB331
54	Vệ sinh an toàn thực phẩm	Food hygiene and food safety	3	45	-	FHF331
55	Công nghệ bao gói thực phẩm	Food packaging technology	3	45	-	FPT331



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56	Quản lý chất lượng và an toàn thực phẩm	Quality management and food safety	3	45	-	QMF331
57	Kinh tế vĩ mô	Macroeconomics	2	30	-	MAC321
58	Xây dựng và phát triển thương hiệu sản phẩm	Brand Creation and Development	3	45	-	BDA331
59	Tổ chức sản xuất trong nông nghiệp	Organizational production in agriculture	3	45	-	OPA331
60	Marketing	Marketing	3	45	-	MAR331
61	Kinh tế phát triển	Economic development	3	45	-	EDE331
62	Nông nghiệp công nghệ cao	Advanced Agriculture	3	45	-	AAG331
63	Thống kê nông nghiệp	Agricultural statistics	3	45	-	SES331
64	Phát triển và quản lý dịch vụ nông thôn	Rural service development and management	3	45	-	RED331
65	Du lịch sinh thái	Eco-tourism	3	45	-	ECT331
66	Công tác xã hội trong PTNT	Social works in rural development	3	45	-	SWR331
67	Quản lý môi trường và phát triển bền vững	Environmental Management and Sustainable Development	3	45	-	EMS331
68	Phân tích an ninh lương thực	Food security analysis	3	45	-	FSA331
69	Cơ sở hạ tầng nông thôn	Rural infrastructure	3	45	-	RIN331
70	Giới và phát triển	Gender and development	3	45	-	GDE331
<b>III. Kiến thức bổ trợ</b>		<b>Supplemental Knowledge</b>	<b>12</b>			
a)	<b>Các học phần bắt buộc</b>		<b>6</b>			



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71	Khuyến nông theo định hướng thị trường	Agriculture extension in market orientation	3	45	-	AEM321
72	Kiến thức bản địa trong PTNT	Local knowledge in rural development	3	45	-	LKR321
b)	<b>Các học phần tự chọn</b>		<b>6</b>			
73	Quản trị doanh nghiệp	Enterprise administration	3	30	-	ENA321
74	Kinh tế nông nghiệp	Agricultural economics	3	30	-	AEC321
75	Phương pháp khuyến nông	Agriculture extension methods	3	30	-	AEM321
76	Kinh tế môi trường và tài nguyên thiên nhiên	Environmental economics and natural resources	3	30	-	EEN321
77	Kinh tế lượng ứng dụng	Applied econometric	3	30	-	AEC321
78	Định giá đất và bất động sản	Land & Property valuation	3	30	-	LPV321
79	Hệ thống thông tin địa lý GIS	Geographical information system GIS	3	30	-	GIS321
80	Đánh giá tác động môi trường	Environmental impacts evaluation	3	30	-	EIE321
81	Kỹ năng mềm	Soft skills	3	30	-	SSK321
<b>IV. Thực tập nghề nghiệp</b>		<b>Professional practice</b>	<b>3</b>			
82	Tìm hiểu mô hình sản xuất có hiệu quả	Studying the effective production medels	1	0	15	SEP411
83	Tìm hiểu, nghiên cứu mô hình nông thôn mới kiểu mẫu	Studying new rural models	2	-	30	SNM412





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84	Tìm hiểu, nghiên cứu mô hình HTX	Studying cooperative models	2	-	30	SCM413
85	Tìm hiểu, nghiên cứu mô hình nông nghiệp công nghệ cao	Studying advanced technological agriculture models	2	-	30	SAT414
86	Phát triển sản phẩm OCOP cho một địa phương	OCOP development for a particular region	2	-	30	ODP415
87	<b>Thực tập tốt nghiệp</b>	<b>Thesis</b>	<b>10</b>			
<b>V. Rèn nghề</b>		<b>Skilled Practice</b>	<b>5</b>			
88	Rèn nghề 1: Xây dựng hồ sơ thành lập HTX	Occupational practice 1: Building cooperative establishment files	2	-	30	OPR521
89	Rèn nghề 4: Xây dựng đề án khởi nghiệp	Occupational practice 4: Building start-up proposals	3	-	45	OPR534
90	Rèn nghề 2: Xây dựng hệ thống dịch vụ nông thôn	Occupational practice 2: Building rural service system	2	-	30	OPR522
91	Rèn nghề 3: Xây dựng hoạch toán hiệu quả kinh tế	Occupational practice 3: Creating documents and economic contracts	3	-	45	OPR533
<b>Tổng cộng</b>		<b>Total</b>	<b>120</b>			

Note:

Note:

- The modules of Physical Education, Defense Education and Vocational Training are not included in the number of credits of the training program.

- 1 credit (1 credit) equals 15 theory periods; 30 practice periods; 60 hours of professional practice (equivalent to 1 week), vocational training in the field.



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## Allocation of modules throughout the course

### 1. The first year

#### \*. Term 1

No	Subjects	Credits No	Theory Period No	Practice Period No
1	Physical Education 1	1	0	30
2	Biology	3	40	10
3	Chemistry	4	50	10
4	Fundamental Principles of Marxism and Leninism (FP1)	2	30	0
5	Maths	2	30	0
6	English 1	3	45	0
7	General Sociology	2	30	0
<b>Total</b>		<b>17</b>	<b>225</b>	<b>50</b>

#### \*. Term 2

TT	Subjects	Credits No	Theory Period No	Practice Period No
1	Physical Education 2	1	0	30
2	Physics	2	30	0
3	Fundamental Principles of Marxism and Leninism (FP2)	3	45	0
4	English 2	3	45	0
5	Probability and Statistics	3	45	0
6	Principles of rural development	3	45	0
7	National Defense Education			
<b>Total</b>		<b>15</b>	<b>210</b>	<b>30</b>

### 2. The second year

#### \*. Term 3



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TT	Subjects	Credits No	TheoryPeriod No	Practice Period No
1	Physical Education 3	1		30
2	English 3	3	45	0
3	General Informatics	3	15	60
4	State Law	2	24	12
5	Rural Sociology	3	45	0
6	Agricultural Systems	3	45	0
7	Scientific Research Methodology	3	45	0
8	Vocational training 1	1	0	15
<b>Total</b>		<b>19</b>	<b>219</b>	<b>87</b>

**\*. Term 4**

No	Subjects	Credits No	TheoryPeriod No	Practice Period No
1	Rural Development Policy	3	45	0
2	Rural Development Planning	3	45	0
3	Community Development	3	45	0
4	Rural study and analysis	3	45	0
5	Management Science	2	30	0
6	Macroeconomics	3	45	0
7	Optional Occupational practice 1	2*	0	30
<b>Total</b>		<b>17</b>	<b>255</b>	<b>0</b>

**3. The third year**

**\*. Term 5**

TT	Subjects	Credits No	TheoryPeriod No	Practice Period No
1	Ho Chi Minh's Ideology	2	30	0



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2	Local knowledge in rural development	3	45	0
3	Agriculture extension in market orientation	3	45	0
4	Optional Basic Knowledge 2 (Rural Livelihood Analysis)	3	45	0
5	Optional major 5 (Cooperative Economics)	3	45	0
6	Optional major 6 (Construction and project management)	3	45	0
<b>Total</b>		<b>17</b>	<b>255</b>	<b>0</b>

**\*. Term 6**

No	Subjects	Credits No	Theory Period No	Practice Period No
1	Revolutionary Orientation and Policies of Vietnamese Communist Party	3	45	0
2	Enterprise accounting	3	45	0
3	BlockChain Application in Agribusiness	3	45	0
4	Optional major 4 (Entrepreneurship)	3	45	0
5	TTNN 2	2	0	30
6	Optional Occupational practice 2	3*	0	45
<b>Total</b>		<b>14</b>	<b>180</b>	<b>75</b>

**4. The fourth year**

**\*. Term 7**

No	Subjects	Credits No	Theory Period No	Practice Period No
1	Optional major 2 (Specialized cultivation)	3	45	0
2	Optional major 3 (Specialized breeding )	3	45	0



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3	Optional major 7 (Value Chain Analysis)	3	45	0
4	Optional Supplemental Knowledge 1 (Enterprise administration)	3	45	0
5	Optional Supplemental Knowledge 2 (Agricultural economics)	3	45	0
Cộng		15	225	0

\*. Term 8

No	Subjects	Credits No	Theory Period No	Practice Period No
1	Thesis	10	0	150
<b>Total</b>		<b>10</b>	<b>-</b>	<b>150</b>

## Description some subjects of Major in Rural Development

### 1. Community Development (2 credits)

- Time allocation: 2 credits (45 hours for theory)
- Previous subjects: No
- Prerequisite subjects: No

The subject of community development provides students with the systematical basic knowledge on the community, community structure, principle of community development, perspectives in community development; Characteristics of some rural communities and social work within the communities; how to mobilize internal resources in the community to create community development projects.

### 2. Rural Development Policy (2 credits)

- Time allocation: 2 credits (45 hours for theory)
- Previous subjects: No
- Prerequisite subjects: No



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The subject of rural development policy provides students with an overview of rural development policy in Vietnam and around the world. The subject helps students understand the basic contents related to rural development policy such as: making rural development policy (the basis of policy making, the steps of policy making...); analysis of rural development policy (policy analysis tools; policy analysis methods; content of policy analysis...); assessing the impact of rural development policy.

### **3. Rural Assessment and Research (2 credits)**

- Time allocation: 2 credits (45 hours for theory)
- Previous subjects: No
- Prerequisite subjects: No

The subject of rural assessment and research provides students with a systematic approach to rural development: Rural development research implementation (research outline, research methods and tools); conducting the rural assessment (steps to conduct a rural assessment; how to collect information, how to process information and how to write a report on rural assessment research. After that, students can implement an rural assessment and research.

### **4. Local Knowledge in Rural Development (2 credits)**

- Time allocation: 2 credits (45 hours for theory)
- Previous subjects: No
- Prerequisite subjects: No

The subject of local knowledge in rural development includes two main contents: (i) basic issues of indigenous knowledge; (ii) local knowledge in some fields of rural development, specifically it provides students with concepts, classifications, characteristics, differences between local knowledge and scientific knowledge, the importance of local knowledge in rural



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development. The subject also introduces, analyzes and applies some local knowledge in the current rural development practice in our country.

### **5. Principles of Rural development (3 credits)**

- Time allocation: 3 credits (45 hours for theory)
- Previous subjects: No
- Prerequisite subjects: No

Principles of rural development subject provides students with basic knowledge related to rural development which includes functions, tasks and resources for rural development as well as basic principles of rural development. Besides, the subject helps students understand and analyze basic knowledge on rural development research and rural development research methods.