



### CREDIT BASED CURRICULUM

(Pursuant to the decision: 3000/QĐ-DHNL-DT, November -24-2014 of President)

Credit based Training System: Formal Undergraduate (Full - time)

Faculty : Faculty of Environment and Natural Resources

Discipline : Environmental Sciences

Major: Environmental Sciences

Minimum credits : 135 Credits

Minimum GPA: 2.0

No	Module	English subjects	Credits	Total Number	Theory	Practice	Internship	Project	Thesis	Year	SM	Prior study	Prerequisite	Concurrent
<b>I. Fundamental knowledge :</b>														
<i>I.1 Required subjects</i>														
1	200106	Phylosophy of Marxism and Leninism	5.0	75.0	75.0	0.0	0	0.0	0.0	1	1			
2	202112	Advanced Mathematics B1	2.0	30.0	30.0	0.0	0	0.0	0.0	1	1			
3	202401	General Biology	2.0	30.0	30.0	0.0	0	0.0	0.0	1	1			
4	202402	General Biology Laboratory	1.0	30.0	0.0	30.0	0	0.0	0.0	1	1			202401
5	202501	Physical Education 1	1.0	45.0	0.0	45.0	0	0.0	0.0	1	1			
6	213603	English 1	4.0	60.0	60.0	0.0	0	0.0	0.0	1	1			
7	214103	General Informatics	3.0	60.0	30.0	30.0	0	0.0	0.0	1	1			
8	200104	History of the Communist's Party of Vietnam	3.0	45.0	45.0	0.0	0	0.0	0.0	1	2			
9	200201	Military training (theory)	3.0	45.0	45.0	0.0	0	0.0	0.0	1	2			
10	200202	Military training (practice)	3.0	90.0	0.0	90.0	0	0.0	0.0	1	2			
11	202113	Advanced Mathematics B2	2.0	30.0	30.0	0.0	0	0.0	0.0	1	2	202112		
12	202301	General Chemistry	3.0	45.0	45.0	0.0	0	0.0	0.0	1	2			
13	202304	General Chemistry Laboratory	1.0	30.0	0.0	30.0	0	0.0	0.0	1	2			202301
14	202502	Physical Education 2	1.0	45.0	0.0	45.0	0	0.0	0.0	1	2	202501		
15	213604	English 2	3.0	45.0	45.0	0.0	0	0.0	0.0	1	2	213603		
16	200107	Ho Chi Minh Ideology	2.0	30.0	30.0	0.0	0	0.0	0.0	2	1			
17	202121	Probability and Statistics	3.0	45.0	45.0	0.0	0	0.0	0.0	2	1	202113		
18	202201	General Physics 1	2.0	30.0	30.0	0.0	0	0.0	0.0	2	1			
19	202622	General Law	2.0	30.0	30.0	0.0	0	0.0	0.0	2	1			
<b>Total</b>			<b>46.0</b>	<b>840.0</b>	<b>570.0</b>	<b>270.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>					



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No	Module	English subjects	Credits	Total Number	Theory	Practice	Internship	Project	Thesis	Year	SM	Prior study	Prerequisite	Concurrent
<b>II. Fundamental specialized knowledge :</b>														
<i>II.1 Required subjects</i>														
1	212103	Environmental Microbiology	2.0	45.0	15.0	30.0	0	0.0	0.0	2	1			
2	212111	Fundamentals to Environmental and sciences	2.0	30.0	30.0	0.0	0	0.0	0.0	2	1			
3	212201	Environmental Chemistry	2.0	45.0	15.0	30.0	0	0.0	0.0	2	2	202301		
4	212522	Environmental Monitoring	2.0	60.0	0.0	60.0	0	0.0	0.0	2	2			
5	218101	Introduction to GIS	3.0	60.0	30.0	30.0	0	0.0	0.0	2	2			
6	212104	Environmental ecology	2.0	30.0	30.0	0.0	0	0.0	0.0	3	1			
7	212328	Environmental Science methodology	2.0	30.0	30.0	0.0	0	0.0	0.0	3	1			
8	202403	Biodiversity	2.0	30.0	30.0	0.0	0	0.0	0.0	3	2			
9	212105	Environmental Biotechnology	2.0	45.0	15.0	30.0	0	0.0	0.0	3	2	212103 202401		
10	212327	Environmental Modeling	2.0	30.0	30.0	0.0	0	0.0	0.0	4	1			
<b>Total</b>			<b>21.0</b>	<b>405.0</b>	<b>225.0</b>	<b>180.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>					
<i>II.2 Elective subject - completed 0101/accumulated at least 2 credits : 6 credits</i>														
1	202620	Communication skills	2.0	30.0	30.0	0.0	0	0.0	0.0	2	1			
2	212207	Physical Chemistry	2.0	30.0	30.0	0.0	0	0.0	0.0	2	1			
3	212927	Social investigation skill	2.0	30.0	30.0	0.0	0	0.0	0.0	2	2			
4	212309	Air and noise pollution	2.0	30.0	30.0	0.0	0	0.0	0.0	3	1			
5	212331	Technical Drawing	3.0	60.0	30.0	30.0	0	0.0	0.0	3	1			
6	216104	Landscape ecology	2.0	30.0	30.0	0.0	0	0.0	0.0	3	2	212104		
<b>Total</b>			<b>13.0</b>	<b>210.0</b>	<b>180.0</b>	<b>30.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>					

