Study plan

FIRST YEAR

Semester	Course code	Course name	Total credit	Theory	Practice	C/E	Prerequisite course code
1	TH01009	General Informatics	2	1,5	0,5	C	
1	ML01020	Philosophy of Marxism and Leninism	3	3	0	C	
1	TH01007	Probability and Statistics	3	3	0	C	
1	MT02043	General Meteorology	2	1,5	0,5	C	
1	MT01001	General Chemistry	2	1,5	0,5	C	
1	MT01016	Basic Ecology	2	2	0	C	
1	ML01009	Introduction to laws	2	2	0	C	
1	SN00010	Pre English	1	1	0	-	
1	QS01011	Guidelines for National Defense and Security of Vietnam Communist Party	2	2	0	C	
1	GT01016	General physical courses	1	0,5	0,5	C	
2	ML01021	Political economy of Marxism and Leninism	2	2	0	C	
2	MT02033	Basic Microbiology	2	1,5	0,5	C	
2	MT01002	Organic Chemistry	2	1,5	0,5	C	
2	MT02001	Environmental Pollution	2	2	0	C	
2	KT02002	Macroeconomics 1	3	3	0	C	
2	QL02047	Pedology	2	1,5	0,5	C	
2	TH01018	Physics	2	2	0	E	
2	SH01001	General Biology	2	1,5	0,5	E	
2	MT02005	Basic of production processes	2	2	0	E	
2	SN00011	English 0	2	2	0	-	

2	KN01001/KN01002/KN01003/KN01004/KN01005/KN01006	Soft skill: 90 hrs (Choose 3 among 6 courses 30 hrs: communication skills, leadership skills, sefl-management skills, job searching skills, teamwork skills, international integration)	6				
2	GT01017/GT01018/GT01019/GT01020/GT01021/GT01022/GT01023/GT01014/GT01015	Physical courses (Choose 2 among 9 courses: Athletics, Aerobics, Soccer/ Football, Volleyball, Basketball, Badminton, Chess, Dance sport, Swimming)	2	0	2		
2	QS01012	Defence warker – security	2	2	0	C	
Total compulsory credits			**29**	**26**	**3**		
Total elective credits (Choose minimum 2 credits)			**6**	**5,5**	**0,5**		
Total physical and defense credits			**7**	**4,5**	**2,5**		
Total imformatic credits			**2**	**1,5**	**0,5**		
Total soft skill credits			**6**				

SECOND YEAR

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Semester	Course code	Course name	Total credit	Theory	Practice	C/E	Prerequisite course code
3	MT01022	Scientific Socialism	2	2	2	C	
3	MT01004	Analytical Chemistry	2	1,5	0,5	C	0
3	MT02049	Practice of specialized microbiology	1	0	1	C	0
3	QL01014	Water Resources Management	2	1,5	0,5	C	0
3	MT02007	Forest resources	2	2	0	C	MT01016
3	ML02012	Environmental Law	2	2	0	C	ML01009
3	SN01032	English 1	3	3	0	C	SN00011
3	MT01003	Colloid and Surface Chemistry	2	1,5	0,5	E	MT01001
3	CD02157	Technical Drawing on Computer	2	2	0	E	TH01009
3	QL02006	Environmental Geology	2	2	0	E	0
3	QS01013	General Military Strategies and Techniques for using shotguns and grenades	6	1	5	C	0
4	MT01005	Ho Chi Minh ideology	2	2	2	C	
4	MT03001	Environmental technology	2	2	0	C	MT02001
4	MT02006	Environmental Information System	2	1	1	C	MT02001
4	MT03008	Environmental monitoring	2	2	0	C	MT02001

4	MT02003	Environmental Chemistry	2	1,5	0,5	C	MT01001
4	MT03062	Environmental audits	2	2	0	C	MT02001
4	SN01033	English 2	3	3	0	C	SN01032
4	QS01014	General knowledge of Services and Arms in the VPA	4	0,3	3,7	C	0
4	MT02012	Landscape geography	2	2	0	E	0
4	QL03047	Biologycal Indicators for Environment	2	2	0	E	SH01001
4	MT01010	Agroecology	2	2	0	E	MT01016
4	QL03075	Environmental Hydraulics	2	1,5	0,5	E	0
Total compulsory credits			**29**	**25,5**	**5,5**		
Total elective credits (Choose minimum 4 credits, 2 credits/ semester)			**14**	**13**	**1**		
Total physical and defense credits			**6**	**1,3**	**4,7**		
Total imformatic credits			**0**				
Total soft skill credits			**0**				

THIRD YEAR

Semester	Course code	Course name	Total credit	Theory	Practice	C/E	Prerequisite course code
5	MT03058	Environmental Biotechnology	2	2	0	C	MT02033
5	MT03002	Environmental technology: practice	1	0	1	C	
5	MT02017	GIS For Environmental Studies	2	1	1	C	
5	MT03004	Environmental impact assessment	2	2	0	C	
5	MT02011	Environmental management	2	2	0	C	MT02001
5	MT03007	Environmental research methods	2	1	1	C	MT02001
5	ML01023	Vietnamese Communist Party History	2	2	0	C	
5	SN03053	English for Environmental science	2	1,5	0,5	C	SN01033
5	MT03072	Environmental awareness: Intership 1	4	0	4	C	MT02001
5	MT02004	Instrumental Analysis	2	1	1	E	MT01004
5	MT01011	Biodiversity	2	2	0	E	
5	MT01009	Human ecology	2	2	0	E	
6	MT03003	Wastewater treatment technology	2	2	0	C	MT03001
6	MT03013	Air Pollutant and Solid Waste Treatment Engineering	3	3	0	C	MT03001

6	MT03010	Cleaner production	2	2	0	C	MT03062
6	MT03011	Environmental impact assessment: practice	1	0	1	C	
6	MT03009	Environmental monitoring: practice	2	0	2	C	MT03008
6	MT03076	Environmental Administrative Management	2	2	0	C	ML02012
6	MT03061	Modelling for environmental management	2	1	1	C	TH01007
6	MT03063	Waste audit practice	1	0	1	C	MT03062
6	MT02015	Environmental education and communications	2	2	0	E	
6	MT03005	Environmental toxicology	2	2	0	E	MT02003
6	MT03022	Climate change	2	1,5	0,5	E	MT02043
6	MT02032	Soil Biology	2	2	0	E	
Total compulsory credits			**34**	**21,5**	**12,5**		
Total elective credits (Elective minimum 4 credits, 2 credits each semester)$_V$			**14**	**12,5**	**1,5**		
Total physical and defense credits			**0**				
Total informatic credits			**0**				
Total soft skill credits			**0**				

FOURTH YEAR

Semester	Course code	Course name	Total credit	Theory	Practice	C/E	Prerequisite course code
7	MT03057	Environmental Biotechnology: practice	2	0	2	C	
7	MT03014	Waste treatment engineering: Practice	2	0	2	C	
7	MT02002	Hazardous waste management	2	2	0	C	
7	MT03065	Environmental protection planning	2	2	0	C	
7	MT02046	Environmental management: practice	1	0	1	C	MT02011
7	MT03064	Environmental administration: practice	1	0	1	C	
7	KT03008	Environmental Economics	2	2	0	C	KT02002
7	MT03073	Intership 2	4	0	4	C	MT03004

7	MT03077	Spatial Analysis for environmental studies	2	1	1	E	MT02017
7	MT03051	Community-based natural resource management	2	2	0	E	
7	MT03012	Waste treatment project	2	2	0	E	MT03004
7	MT03060	Microbial technology in Agricultural production	2	1,5	0,5	E	
8	MT04999	Graduation thesis	10	0	10	C	MT03073
Total compulsory credits			**26**	**6**	**20**		
Total elective credits (Choose minimum 2 credits)			**8**	**6,5**	**1,5**		
Total physical and defense credits			**0**				
Total informatic credits			**0**				
Total soft skill credits			**0**				