



PROGRAM SPECIFICATION

Type of education

0 - Undergraduate Program

Academic Year

2022

Major

901 - Environmental Engineering Technology - Water Supply and

Show

Xem danh mục môn tương đương 4 + 1

Note:

The compulsory subject in the selective group

Subjects only for bachelor

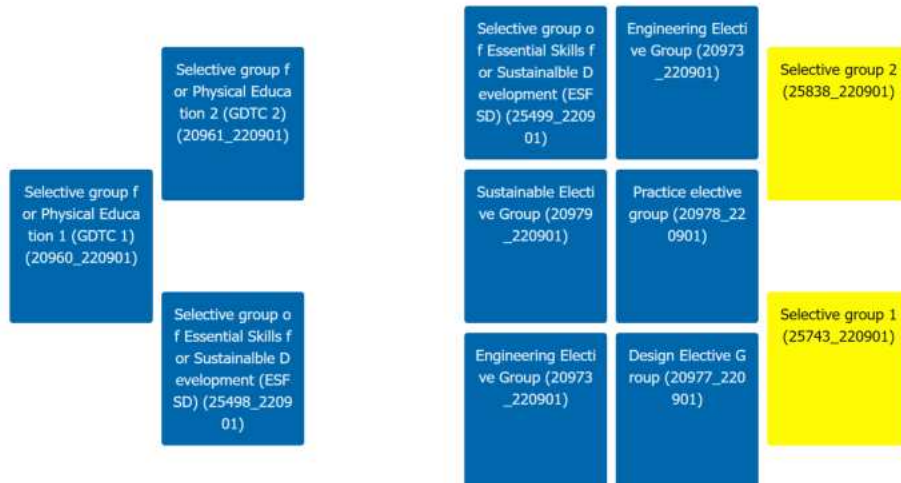
Special subjects

A.1 Politics and argumentation	A.2 Social Sciences	A.3 Natural Sciences	A.4 English	A.5 Support skill	A.6 Physical Educations	A.7 National Defense Education	A.8 Informatics	B.1 Compulsory Core Knowledge Education	B.2.1 General knowledge	B.2.2 Specialized Knowledge	B.2.3 Graduation knowledge of bachelor's degree	C.1.2 Graduate knowledge of engineering degree
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Course: 220901; Số tín chỉ tích lũy cử nhân: 141; Số tín chỉ tích lũy kỹ sư: 163

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	Semester 9	Semester 10
G01001 2(1,1,0) Fundamentals of Informatics 1	D01001 0(1,1,0) Swimming	900010 2(0,2,0) Autocad	306104 2(2,0,0) Scientific Socialism	P15C50 0(0,0,0) Certificate of English Proficiency	901094 3(3,0,0) Network of Water Supply and Drainage	901019 3(3,0,0) Indoor Water Supply And Drainage	901130 6(0,6,0) Graduation thesis	901137 12(0,12,0) Graduation thesis	901CM7 2(0,0,2) Professional Skills Exam
D02031 0(3,0,0) National Defense and Security Education - 1st Course	G01M01 0(0,0,0) Microsoft Office Specialist (Microsoft Word)	G01M02 0(0,0,0) Microsoft Office Specialist (Microsoft Excel)	901087 2(2,0,0) Engineering Geology and Hydrogeology	P15C55 0(0,0,0) The Certificate of English	L00050 4(0,4,0) Essential Skills for Sustainable Development	901126 2(2,0,0) Construction Economics	901CM6 1(0,0,1) Professional Skills Exam	901138 8(0,8,0) Graduation Internship	
D02032 0(2,0,0) National Defense and Security Education - 2nd Course	G01002 2(1,1,0) Fundamentals of Informatics 2	901085 2(2,0,0) Engineering Mechanics: Statics	902081 3(2,1,0) Environmental Analysis	901093 2(2,0,0) Constructions of Intakes and Pump Stations	901128 2(2,0,0) Urban infrastructure Planning and Design	901095 2(2,0,0) Management of Water Supply and Drainage Network	901131 3(0,3,0) Graduation Internship		
D02033 0(1,1,0) National Defense and Security Education - 3rd Course	901082 2(2,0,0) General Chemistry 2	902069 2(2,0,0) Environmental Toxicology	902052 3(3,0,0) Environmental Technology Process	306105 2(2,0,0) History of Vietnamese Communist Party	902110 2(0,2,0) Experiment of Environmental Biology	901127 2(2,0,0) Environmental Applied Ecology			
D02034 0(0,2,0) National Defense and Security Education - 4th Course	901122 1(0,1,0) General Chemistry Laboratory	903119 2(2,0,0) International Standards for Safety Health and Environment	901080 2(2,0,0) Hydrodynamics	L00041 0(0,0,0) Essential Skills for Sustainable Development - Life Attitude 3	901036 3(2,1,0) Applied Informatics Of Water Supply And Drainage				
901124 2(2,0,0) Introduction to Environmental Engineering Technology	P15011 5(5,0,0) English 1	901125 2(2,0,0) Environmental Engineering Chemistry	901088 2(2,0,0) Environmental Hydrology	902056 2(2,0,0) Computational Methods in Environmental Engineering	901031 3(3,0,0) Wastewater Treatment Engineering				
901081 2(2,0,0) General Chemistry 1	P15012 5(5,0,0) English 2	306103 2(2,0,0) Political Economics of Marxism and Leninism	P15014 5(5,0,0) English 4	902111 1(0,1,0) Experiment of Environmental Technology Process					
L00019 0(0,0,0) Essential Skills for Sustainable Development - Life	306102 3(3,0,0) Philosophy of Marxism and Leninism	L00033 0(0,0,0) Essential Skills for Sustainable Development - Life	902050 2(2,0,0) Professional Communication for Engineers	901092 2(2,0,0) Hydraulic Systems					

Attitude 1	Liberalism	Attitude 2	Engineering	Design
901118 1(0,1,0) General Physics Laboratory	901123 2(2,0,0) Technical Drawing and Visualization	302053 2(2,0,0) Introduction to Laws		306106 2(2,0,0) Ho Chi Minh Ideology
901120 3(3,0,0) Introduction to Applied Mathematics	901121 2(2,0,0) Probability and Statistics	P15013 5(5,0,0) English 3		901090 3(3,0,0) Wastewater Microbiology
901117 2(2,0,0) General Physics		901086 2(2,0,0) Materials		901009 3(3,0,0) Water Treatment Engineering



Selective group for Physical Education 1 (GDTC 1) (20960_220901)			Selective group for Physical Education 2 (GDTC 2) (20961_220901)		
D01101	Physical Education 1 - Football	0(1,1,0)	D01201	Physical Education 2 - Karate	0(0,2,0)
D01102	Physical Education 1 - Taekwondo	0(1,1,0)	D01202	Physical Education 2 - Vovinam	0(0,2,0)
D01103	Physical Education 1 - Volleyball	0(1,1,0)	D01203	Physical Education 2 - Vietnamese Traditional Martial Art	0(0,2,0)
D01104	Physical Education 1 - Badminton	0(1,1,0)	D01204	Physical Education 2 - Basketball	0(0,2,0)
D01105	Physical Education 1 - Aerobic	0(1,1,0)	D01205	Physical Education 2 - Table Tennis	0(0,2,0)
D01106	Physical Education 1 - Tennis	0(1,1,0)	D01206	Physical Education 2 - Action Chess	0(0,2,0)
D01120	Physical Education 1 - Fitness	0(1,1,0)	D01220	Physical Education 2 - Field Hockey	0(0,2,0)
D01121	Physical Education 1 - Hatha Yoga	0(1,1,0)	D01221	Physical Education 2 - Golf	0(0,2,0)

Engineering Elective Group (20973_220901)	Design Elective Group (20977_220901)	Practice elective group (20978_220901)
800040 2(1,1,0) Geodesy and Geodetic Practice	901040 2(2,0,0) Wastewater System Design	901034 2(0,2,0) Practice of Water Treatment Operation
804071 2(2,0,0) Construction Engineering Technology and Construction Organization	901041 2(2,0,0) Design of Water Supply and Drainage Network	901035 2(0,2,0) Practice of Wastewater Treatment Operation
901097 2(2,0,0) Automation of Water Supply and Drainage	901075 2(2,0,0) Potable Water System Design	
901129 2(2,0,0) Soil pollution treatment engineering	901098 2(2,0,0) Design of Water Supply and Drainage for Constructions	
902064 2(2,0,0) Critical Analysis in Environmental Management		Sustainable Elective Group (20979_220901)
902065 2(2,0,0) Environmental Impact Assessment		901096 2(2,0,0) Water Resource Management
903068 2(2,0,0) Systems Safety Engineering		902009 2(2,0,0) Environmental Law and Policy

902066	Environmental Monitoring	2(2,0,0)
903114	Introduction to Occupational Safety and Health	2(2,0,0)
903116	Occupational Safety and Hygiene Law	2(2,0,0)

Selective group of Essential Skills for Sustainable Development (ESFSD) (25498_220901)		Selective group of Essential Skills for Sustainable Development (ESFSD) (25499_220901)			
L00044	Essential Skills for Sustainable Development - Team Building and Leadership Skills	0(0,0,0)	L00047	Essential Skills for Sustainable Development - 5S and Kaizen Skills	0(0,0,0)
L00045	Essential Skills for Sustainable Development - Presentation Skills	0(0,0,0)	L00048	Essential Skills for Sustainable Development - Decision-making Skills	0(0,0,0)
L00046	Essential Skills for Sustainable Development - Critical Thinking	0(0,0,0)	L00049	Essential Skills for Sustainable Development - Constructing Emotional Quotient	0(0,0,0)
L00052	Essential Skills for Sustainable Development - Self-Study Skills	0(0,0,0)	L00051	Essential Skills for Sustainable Development - Startup	0(0,0,0)

Selective group 1 (25743_220901)		Selective group 2 (25838_220901)			
901132	Topics on Circular Economy and Sustainable Development	2(2,0,0)	901032	Practice of Installation Sewerage Pipes and Sanitary Equipment in Building	2(0,2,0)
901133	Topics on Occupational Safety Health and Environmental Risk Management	2(2,0,0)	901033	Practice of Installation and Operation The Pumps	2(0,2,0)
901134	Topics on Climate change: Mitigation and Adaptation	2(2,0,0)	901043	Practice of Installation Drainage Pipes Outside The House	2(0,2,0)
901135	Topics on Environmental Project Design and Management	2(2,0,0)			
901136	Topics on Applied Research in Environmental Science and Engineering	2(2,0,0)			