

Type of education

0 - Undergraduate Progra

Academic Year

2024

Major

901 - Environmental Engineering Techni

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(https://lecturer.tdtu.edu.vn)

Note:

The compulsory subject in the selective group Subjects only for bachelor Special subjects

A.1	Politics	A.2	A.3	A.4	A.5	A.6	A.7	A.8	B.1	B.2.1	B.2.2	B.2.3
and		Social	Natural	English	Support	Physical	National	Informatics	Compulsory	General	Specialized	Graduation
argumentation		Sciences	Sciences		skill	Educations	Defense		Core	knowledge	Knowledge	knowledge
							Education		Knowledge			of
									Education			bachelor's
												degree

Course: 240901; Số tín chỉ tích lũy cử nhân: 130; Số tín chỉ tích lũy kỹ sư: 152

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	901093 2(2,0,0) Constructions of Intakes and Pump Stations	901139 2(2,0,0) Network of Water Supply	901019 3(3,0,0) Indoor Water Supply And Drainage	901130 6(0,6,0) Graduation thesis	90113712(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) null	G01M02 0(0,0,0) null	P15C50 0(0,0,0) null	903119 2(2,0,0) International Standards for Safety Health and Environment	901140 2(2,0,0) Network of Water Drainage	P15C55 0(0,0,0) null	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	901087 2(2,0,0) Engineering Geology and Hydrogeology	306105 2(2,0,0) History of Vietnamese Communist Party	L00050 4(0,4,0) Essential Skills for Sustainable Development	901126 2(2,0,0) Construction Economics	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	902009 2(2,0,0) Environmental Law and Policy	L00041 0(0,0,0) Essential Skills for Sustainable Development - Life Attitude 3	902066 2(2,0,0) Environmental Monitoring	901095 2(2,0,0) Management of Water Supply and Drainage Network	
D02034 0(0,2,0) National Defense and Security Education - 4th Course	901122 1(0,1,0) General Chemistry Laboratory	901125 2(2,0,0) Environmental Engineering Chemistry	902127 2(2,0,0) Environmental Analysis	902056 2(2,0,0) Computational Methods in Environmental Engineering	901128 2(2,0,0) Urban Infrastructure Planning	901036 3(2,1,0) Applied Informatics Of Water Supply And Drainage	
901124 2(2,0,0) Introduction to Environmental Engineering Technology	901088 2(2,0,0) Environmental Hydrology	306103 2(2,0,0) Political Economics of Marxism and Leninism	902052 3(3,0,0) Environmental Technology Process	902111 1(0,1,0) Experiment of Environmental Technology Process	901127 2(2,0,0) Environmental Applied Ecology		
901081 2(2,0,0) General Chemistry 1	P15031 5(5,0,0) English 1	L00033 0(0,0,0) Essential Skills for Sustainable Development - Life Attitude 2	902128 1(0,1,0) Experiment of Environmental Analysis	306106 2(2,0,0) Ho Chi Minh Ideology	902110 2(0,2,0) Experiment of Environmental Biology		
L00019 0(0,0,0) Essential Skills for Sustainable Development - Life Attitude 1	306102 3(3,0,0) Philosophy of Marxism and Leninism	302053 2(2,0,0) Introduction to Laws	901080 2(2,0,0) Hydrodynamics	901090 3(3,0,0) Wastewater Microbiology	901031 3(3,0,0) Wastewater Treatment Engineering		

601096 1(0,1,0)
General Physics
Laboratory

901123 2(2,0,0)
Technical Drawing
and Visualization

P15032 5(5,0,0)
English 2

901009 3(3,0,0)
Water Treatment
Engineering

C01148 3(3,0,0)
Introduction to
Applied
Mathematics

C03116 2(2,0,0)
Probability and
Statistics

601095 2(2,0,0)
General Physics

		Engineering Elective Group (38427_240901)	Selective group 1 (38435_240901)	Selective group 1 (38435_240901)
	Selective group for Physical Education 2 (GDT C 2) (38417_240901)		Engineering Elective Group (38427_240901)	
	Selective group for Physical Education 1 (GDT C 1) (38416_240901)	Sustainable Elective Group (38430_240901)		
			Design Elective Group (38428_240901)	
	Selective group of Essential Skills for Sustainable Development (ESFSD) (38432_240901)	Selective group of Essential Skills for Sustainable Development (ESFSD) (38433_240901)	Practice elective group (38429_240901)	Selective group 2 (38437_240901)

Selective group for Physical Education 1 (GDTC 1) (38416_240901)

Selective group for Physical Education 2 (GDTC 2) (38417_240901)

D01101	Physical Education 1 - Football	0(1,1,0)
D01102	Physical Education 1 - Taekwondo	0(1,1,0)
D01103	Physical Education 1 - Volleyball	0(1,1,0)
D01104	Physical Education 1 - Badminton	0(1,1,0)

D01201	Physical Education 2 - Karate	0(0,2,0)
D01202	Physical Education 2 - Vovinam	0(0,2,0)
D01203	Physical Education 2 - Vietnamese Traditional Martial Art	0(0,2,0)
D01204	Physical Education 2 - Basketball	0(0,2,0)

D01106	Physical Education 1 - Tennis	0(1,1,0)	D01205	Physical Education 2 - Table Tennis	0(0,2,0)
D01120	Physical Education 1 - Fitness	0(1,1,0)	D01206	Physical Education 2 - Action Chess	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 (38427_240901)

800040	Geodesy and Geodetic Praticce	2(1,1,0)
804071		2(2,0,0)
Construction Engineering Technology and Construction Organization		2(2,0,0)
901097	Automation of Water Supply and Drainage	2(2,0,0)
901129	Soil pollution treatment engineering	2(2,0,0)
902064	Critical Analysis in Environmental Management	2(2,0,0)
902065	Environmental Impact Assessment	2(2,0,0)
903067	Construction Safety	2(2,0,0)
903068	Systems Safety Engineering	2(2,0,0)
903085	Energy and Environment	2(2,0,0)

Design Elective Group (38428_240901)

901040	Wastewater System Design	2(2,0,0)
901041	Design of Water Supply and Drainge Network	2(2,0,0)
901075	Potable Water System Design	2(2,0,0)
901098	Design of Water Supply and Drainge for Constructions	2(2,0,0)

Practice elective group (38429_240901)

901034	Practice of Water Treatment Operation	2(0,2,0)
901035	Practice of Wastewater Treatment Operation	2(0,2,0)

Sustainable Elective Group (38430_240901)

901092	Hydraulic Systems Design	2(2,0,0)
901096	Water Resource Management	2(2,0,0)
902050	Professional Communication for Engineers	2(2,0,0)
902126	Solid and Hazardous Waste Management	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) (38432_240901)

L00044	Essential Skills for Sustainable Development - Team Building and Leadership Skills	0(0,0,0)
L00045	Essential Skills for Sustainable Development - Presentation Skills	0(0,0,0)
L00046	Essential Skills for Sustainable Development - Critical Thinking	0(0,0,0)

L00052	Essential Skills for Sustainable Development - Self-Study Skills	0(0,0,0)
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Selective group of Essential Skills for Sustainable Development (ESFSD) (38433_240901)

L00047	Essential Skills for Sustainable Development - 5S and Kaizen Skills	0(0,0,0)
L00048	Essential Skills for Sustainable Development - Decision-making Skills	0(0,0,0)
L00049	Essential Skills for Sustainable Development - Constructing Emotional Quotient	0(0,0,0)
L00051	Essential Skills for Sustainable Development - Startup	0(0,0,0)

Selective group 1 (38435_240901)

901135	Topics on Environmental Project Design and Management	2(1,1,0)
901136	Topics on Applied Research in Environmental Science and Engineering	2(1,1,0)
902133	Topics on Circular Economy and Sustainable Development	2(2,0,0)
902134	Topics on Climate change: Mitigation and Adaptation	2(2,0,0)
903129	Topics on Occupational Safety Health and Environmental Risk Management	2(2,0,0)

Selective group 2 (38437_240901)

901032	Practice of Installation of Interior Water Supply and Drainage System and Sanitary Equipment	2(0,2,0)
901033	Practice of Installation and Operation of the Pumps	2(0,2,0)
901043	Practice of Installation of Exterior Water Supply and Drainage System	2(0,2,0)