

Undergraduate Courses
(hours of lecture-hours of practical learning-credits)

First Year		Second Year		Third Year		Fourth Year	
1st Semester	2nd Semester	1st Semester	2nd Semester	1st Semester	2nd Semester	1st Semester	2nd Semester
Common Required Courses							
Physical Education 2-0-0	Physical Education 2-0-0	Physical Education 2-0-0	Physical Education 2-0-0				
Literature and Innovation 2-0-2	Literature and Innovation 2-0-2	Practical Chinese 2-0-2		Philosophical Thinking 2-0-2	Constitution and Law 2-0-2		
Civilization : Change and Development 2-0-2	Life Education 2-0-2	General 2-0-2	General 2-0-2	General 2-0-2	General 2-0-2		
Practicum in English Communication (I) 0-2-1	Practicum in English Communication(II) 0-2-1	English Presentation and Writing(I) 2-0-2	English Presentation and Writing(II) 2-0-2		Career English 2-0-2		
Service Learning 0-2-0	Service Learning 0-2-0						
Professional Elective Courses							
Calculus(I) 3-0-3	Calculus(II) 3-0-3	Engineering Mathematics (I) 3-0-3	Engineering Mathematics (II) 3-0-3	Probability and Statistics 3-0-3	Mass and Energy Balance 2-0-2	Special Practicing Project(II) 1-3-2	
Physics(I) 3-0-3	Physics(II) 3-0-3	Analytical Chemistry 2-0-2	Fluid Mechanics 3-0-3	Unit operations in Environmental Engineering 3-0-3	Special Practicing Project(I) 1-3-2	Engineering Practice and Ethics in Environment and Safety & Hygiene 2-0-2	
Physics Lab.(I) 0-3-1	Physics Lab.(II) 0-3-1	Experiment of Environmental Chemistry 0-3-1	Environmental Engineering 3-0-3	Unit operations in Environmental Engineering Lab 0-3-1	Industrial Safety 3-0-3	Risk Assessment 2-0-2	
Chemistry(I) 3-0-3	Chemistry(II) 3-0-3	Engineering Mechanics 3-0-3	Industrial Hygiene 3-0-3	Computer Language Programming 1-3-2	Industrial Process Safety Experiment 0-3-1		
Chemistry Lab.(I) 0-3-1	Chemistry(II) 0-3-1	Microbiology 3-0-3	Monitoring and Testing in Workplace Environments 1-3-2	Thermodynamics 3-0-3	Engineering Economics 2-0-2		
Introduction to Environment and Safety & Hygiene 2-0-2	Introduction to Computer Science 1-3-2						
Engineering Graphics(I) 1-3-2							

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1st Semester	2nd Semester	1st Semester	2nd Semester	1st Semester	2nd Semester	1st Semester	2nd Semester
Professional Elective Courses							
Safety and Health Core Courses							
		Environmental Engineering Chemistry 3-0-3	Introduction to air pollution 3-0-3 Wastewater Engineering 3-0-3	Water Supply Engineering 3-0-3	Solid Waste 3-0-3	Environmental Planning and Management 2-2-3	
Safety and Health Core Courses							
		Industrial Safety Management 3-0-3	Facilities Planning 3-0-3	Occupational Hygiene Management 3-0-3 Human Factor Engineering 3-0-3	Industrial Toxicology 3-0-3	Engineering Control of Workplace Hazards 3-0-3	
Common Professional Elective Courses							
Biology 3-0-3	Environmental Science 2-0-2 Engineering Graphics(II) 1-3-2	Laboratory Experiments in Microbiology 0-3-1 Organic Chemistry 2-0-2	Physical Chemistry 2-0-2 Practice of Environmental and Safety Professional 0-4-2 Instrument Analysis 1-3-2 Public Health 3-0-3	Japanese for Science and Technology-Reading and Translation 2-0-2 Innovative and Creative for Green Technology 2-0-2 Hydrology 3-0-3	Environmental and Occupational Epidemiology 3-0-3 Environmental Microbiology 3-0-3 Experiment of Biotechnology In Environment and Safety 0-3-1 Physical Properties Estimation 3-0-3 Occupational Safety and Health Act 2-0-2 Ecological Ethics and Green Ideology 3-0-3 Manufacture Process 3-0-3 Numerical Analysis 3-0-3	Engineering Numerical Analysis 3-0-3 Air Pollution Control 3-0-3 Open Channel Hydraulics 3-0-3 Occupational Safety Management 2-0-2 Hazardous Waste Treatment 3-0-3 Noise and Vibration 2-0-2 Mechanics of Materials 3-0-3 Occupational Disease Technology and Management of Energy &	Water Resource Engineering 3-0-3 Construction Safety 3-0-3 Engineering Materials 3-0-3 Level one Thermal Infrared Testing 2-2-3 Design & Assessment for Environmental & safety Engineering 3-0-3 Industrial Ventilation 3-0-3 Environmental Protection Laws 3-0-3 Ecological Engineering 3-0-3 Resolution of Public Nuisance Disputes

Electricity Saving 3-0-3
3-0-3

Fire Protection and Explosion Prevention **Occupational Environment Management**
3-0-3 2-0-2

Radiation Safety **Indoor Environmental Quality**
2-0-2 3-0-3

Summer Industry Internship **Internship Industry(I)**
0-4-2 1-8-5

Summer Internship Abroad **Internship Industry(II)**
0-4-2 1-8-5

Environmental Health **Summer Internship Abroad (I)**
3-0-3 1-8-5

Environmental Resource Management **Summer Internship Abroad (II)**
3-0-3 1-8-5

Environmental Impact Assessment
3-0-3
