

2012 Undergraduate Curriculum for Environmental Science (I)

Course Number	Course Title	Assessment	Credits	Instruction Hour Allocation					Credits Distribution for Semesters														Responsible Unit	
				Total Hrs	Lec	Lab	Practice	Recitation	1	I	2	II	3	III	4	IV	5	V	6	VI	7	VII		8
									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W		16 W
0004312	Modern Chinese History	Exam	2	32	32	0	0	0	2															School of Marxism
0000011	Physical Education-1	General Assessment	1	32	32	0	0	0	1															Department of Physical Education
0000007	College English (Band One)	Exam	4	64	64	0	0	0	4															College of Foreign Languages
0001903	Calculus (Engineering)-1	Exam	5.5	99	64	0	0	35	5.5															College of Applied Science
0001908	Linear Algebra (Engineering)	Exam	3	54	48	0	0	6	3															College of Applied Science
0004311	Ethical Conduct and Fundamentals of Law	Exam	3	48	32	0	16	0			3													School of Marxism
0007112	C Program Design	General Assessment	3	48	32	0	16	0			3													College of Computer Science
0000012	Physical Education-2	General Assessment	1	32	32	0	0	0			1													Department of Physical Education
0000008	College English (Band Two)	Exam	4	64	64	0	0	0			4													College of Foreign Languages
0000072	University Physics I-1	Exam	4	64	64	0	0	0			4													College of Applied Sciences
0001904	Calculus (Engineering)-2	Exam	5.5	99	64	0	0	35			5.5													College of Applied Sciences
0006457	Fundamentals of Chinese Sociology	Exam	4	64	48	0	16	0					4											School of Marxism
0002784	Fundamentals of National Defense	Exam	2	32	32	0	0	0				2												Students' Affairs Office
0000013	Physical Education-3	Exam	1	32	32	0	0	0					1											Department of Physical Education
0000009	College English (Band Three)	Exam	4	64	64	0	0	0					4											College of Foreign Languages
0000073	University Physics I-2	Exam	4	64	64	0	0	0					4											College of Applied Sciences
0003333	Probability and Statistics (Engineering)	Exam	3	54	50	0	0	4					3											College of Applied Sciences
0004361	Introduction to Philosophy	Exam	3	48	48	0	0	0							3									School of Marxism
0000014	Physical Education-4	Exam	1	32	32	0	0	0							1									Department of Physical Education
0000010	College English (Band Four)	Exam	4	64	64	0	0	0							4									College of Foreign Languages
University Requirements		Sub-total	62	1090	962	0	48	80	15.5		20.5	2	16		8									
0004759	Inorganic Chemistry	Exam	2.5	40	40	0	0	0	2.5															College of Environmental and Energy Engineering

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									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W		16 W
0000066	Engineering Drawing V	Exam	3	48	48	0	0	0	3															College of Mechanical Engineering and Applied Electronics
0007075	Freshmen Seminar Course	Exam	1	16	16	0	0	0	1															College of Environmental and Energy Engineering
0004997	Analytical Chemistry III	Exam	2.5	40	40	0	0	0			2.5													College of Environmental and Energy Engineering
0005000	Organic Chemistry V	Exam	3	48	48	0	0	0					3											College of Environmental and Energy Engineering
0000107	Electrical Technology II	Exam	3.5	56	42	0	0	14					3.5											College of Electronic Information and Control Engineering
0004998	Physical Chemistry V	Exam	4	64	64	0	0	0					4											College of Environmental and Energy Engineering
0001900	Electronics Technology IV	Exam	3.5	56	42	0	14	0							3.5									College of Electronic Information and Control Engineering
0005704	Chemical Engineering Theory IV	Exam	2.5	40	40	0	0	0							2.5									College of Environmental and Energy Engineering
0007413	Basics of Environmental Science	Exam	2	32	32												2							College of Mechanical Engineering and Applied Electronics Technology
0005705	Morden Instrumental Analysis	Exam	2.5	40	40												2.5							College of Architecture and Civil Engineering
0007414	Environmental Chemistry	Exam	2.5	40	40													2.5						College of Environmental and Energy Engineering
0000577	Environmental Monitoring	Exam	4	64	32		32											4						College of Environmental and Energy Engineering
0005706	Environmental Quality Assessment	Exam	2.5	40	40													2.5						College of Environmental and Energy Engineering
0000947	Environmental Ecology	Exam	2	32	32													2						College of Environmental and Energy Engineering
0005709	Environmental Planning	Exam	2	32	32													2						College of Environmental and Energy Engineering
Discipline Requirements		Sub-total	43	688	628		46	14	6.5		2.5		10.5		6		4.5		13					
0004760	Experiments of Inorganic Chemistry	Exam	0.5	12	0	12	0	0	0.5															College of Environmental and Energy Engineering
0004746	Machine Shop Training A	Exam	1	30	0	0	30	0	1															College of Mechanical Engineering and Applied Electronics Technology
0002567	Engineering Drawing Practice	Exam	2	60	0	0	60	0			2													College of Mechanical Engineering and Applied Electronics Technology
0004964	Physics Laboratory (Engineering)-1	Exam	1	24	2	22	0	0			1													College of Applied Science
0005716	Experiments of Organic Chemistry	Exam	0.5	12	0	12	0	0					0.5											College of Environmental and Energy Engineering

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									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W		16 W
0007411	Experiments of Analytical Chemistry	Exam	1	24	0	24	0	0			1													College of Environmental and Energy Engineering
0005718	Experiments of Physical Chemistry	Exam	0.5	12	0	12	0	0					0.5											College of Environmental and Energy Engineering
0003087	Practices of National Defense	Exam	1	30	0	0	30	0				1												Students' Affairs Office
0004965	Physics Laboratory (Engineering)-2	Exam	1.5	36	0	36	0	0					1.5											College of Applied Science
0001212	Electrical and Electronics Laboratory II	Exam	1	30	15	0	15	0					1											College of Electronic Information and Control Engineering
0007069	Social Practices	Exam	2	48			48									2								School of Marxism
0005715	Experiments of Chemical Engineering Theory II	Exam	0.5	12	0	12	0	0							0.5									College of Environmental and Energy Engineering
0005375	Cognitive Practice	Exam	1	30	0	0	30	0								1								College of Environmental and Energy Engineering
0005719	Experiments of Modern Instrumental Analysis I	Exam	1.5	36		36											1.5							College of Environmental and Energy Engineering
0005720	Curriculum Design or Environmental Impact Assessment	Exam	1	30			30												1					College of Environmental and Energy Engineering
0007415	Experiments of Environmental Chemistry	Exam	0.5	12		12													0.5					College of Environmental and Energy Engineering
0006360	Comprehensive Experiments of Environmental Monitor	Exam	1	24		24														1				College of Environmental and Energy Engineering
0007416	Specialty Training for Environmental Science	Exam	2	48		48														2				College of Environmental and Energy Engineering
0007409	Professional Practice	Exam	4	120			120														4			College of Environmental and Energy Engineering
0007417	Experiment of Municipal Solid Waste Recycling	Exam	1	24	4	20															1			College of Environmental and Energy Engineering
0002264	Experiments of Pollution Control Engineering	Exam	2	48		48															2			College of Environmental and Energy Engineering
0005234	Senior Project	Exam	16	480	0	0	480	0															16	College of Environmental and Energy Engineering
Practical Requirements		Sub-total	42.5	1182	21	318	843		1.5		4	1	3.5		0.5	3	1.5		1.5	3	7	0	16	
Discipline Electives			2	32	32												2							
Major Requirements			4	64	64												2				2			
Major Electives			15	240	240												7		4		4			
GEESEM:EM			5	80	80										2		3							
General Education Electives			12	192	192										2		4		2		4			
Electives		Sub-total	38	608	608										4		18		6		10			

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									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W		16 W
Total for Theoretical Instruction			143	2386	2198		94	94	22		23	2	26.5		18		22.5		19		10			
Total for Practical Instruction			42.5	1182	21	318	843		1.5		4	1	3.5		0.5	3	1.5		1.5	3	7		16	
Innovation Requirements			4	96			96								2				2					
Total			189.5	3664	2219	318	1033	94	23.5		27	3	30		20.5	3	24		22.5	3	17		16	

Notation: GEESEM:EM is the abbreviation for General Education Electives for Science and Engineering Majors: Economics and Management.

2012 Undergraduate Curriculum for Environmental Science (II)

Course Number	Course Title	Assessment	Credits	Instruction Hour Allocation					Credits Distribution for Semesters																Responsible Unit
				Total Hrs	Lec	Lab	Practice	Recita- tion	1	I	2	II	3	III	4	IV	5	V	6	VI	7	VII	8		
									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	16 W		
0005710	Municipal Solid Waste Recycling	General Assessment	2	32	32													2					College of Environmental and Energy Engineering		
0005728	Energy Theory	General Assessment	2	32	32															2			College of Environmental and Energy Engineering		
Discipline Electives		Sub-total	4	64	64																		College of Environmental and Energy Engineering		
0005707	Air Pollution Control Engineering I	Exam	2	32	32															2			College of Environmental and Energy Engineering		
0005723	Environmental Microbiology	Exam	3	48	48												3						College of Environmental and Energy Engineering		
0005763	Recycling Economy and Cleaner Production (Self-learning)	General Assessment	2	32	32												2						College of Environmental and Energy Engineering		
0002256	Environmental Management and Law	Exam	2	32	32													2					College of Environmental and Energy Engineering		
0005708	Water Quality Engineering	Exam	2	32	32															2			College of Environmental and Energy Engineering		
0000593	Environmental Physical Pollution and Control	General Assessment	2	32	32												2						College of Environmental and Energy Engineering		
0007419	Environmental Toxicology	General Assessment	2	32	32															2			College of Environmental and Energy Engineering		
Major Requirements		Sub-total	15	240	240																		College of Environmental and Energy Engineering		
0004371	Environmental Economics	General Assessment	2	32	32												2						College of Environmental and Energy Engineering		
0005712	Air Pollution Meteorology I	General Assessment	2	32	32												2						College of Environmental and Energy Engineering		
0003986	Detection & Cleansing for Indoor Air Pollution	General Assessment	2	32	32															2			College of Environmental and Energy Engineering		
0005713	Analysis of Environmental System	General Assessment	2	32	32															2			College of Environmental and Energy Engineering		
Major Electives		Sub-total	6	128	128																		College of Environmental and Energy Engineering		

Vice-Director:

Vice-President:

Date:

Date: