

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
0000066	Engineering Graphics V	Exam	3	48	48				3															College of Mechanical Engineering & Applied Electronics Technology
0007074	Freshmen Seminar Course	General Assessment	1	16	16				1															College of Architecture and Civil Engineering
0005223	Engineering Mechanic II	Exam	4	64	58	6					4													College of Mechanical Engineering & Applied Electronics Technology
0000106	Electrotechnics I	Exam	3.5	56	42	14							3.5											College of Electronic Information and Control Engineering
0000278	Electrotechnics III	Exam	3.5	56	42	14							3.5											College of Electronic Information and Control Engineering
0003211	Engineering Thermodynamics	Exam	3.5	56	56								3.5											College of Environmental and Energy Engineering
0000369	Fluid Mechanics	Exam	4	64	58	6									4									The College of Architecture and Civil Engineering
0003210	Heat Transfer III	Exam	3.5	56	56										3.5									College of Environmental and Energy Engineering
0000323	Machine Design Foundation III	General Assessment	3.5	56	52	4									3.5									College of Mechanical Engineering and Applied Electronics
0007677	Built Environment(Chinese/English)	General Assessment	2	32	32												2							College of Architecture and Civil Engineering
0002075	Principle and Equipment Heat-Quality Exchanging	Exam	2.5	40	40												2.5							College of Architecture and Civil Engineering
0002073	Pipe Net of Fluids Transportation and Distribution	Exam	2.5	40	40												2.5							College of Architecture and Civil Engineering
0007678	Principle of Automatic Control	Exam	2	32	32												2							College of Architecture and Civil Engineering
0005861	Measuring Technique in Build Environment Engineering	General Assessment	1.5	24	24												1.5							College of Architecture and Civil Engineering
0007679	Introduction to Building Construction and Architecture	General Assessment	1.5	24	24												1.5							College of Architecture and Civil Engineering
0005862	Building Electrical Control and SCM Control Technology	General Assessment	2	32	32												2							College of Architecture and Civil Engineering
Discipline Requirements		Sub-total	43.5	696	652	44			4		4		10.5		11		14							
0003796	Chemistry and Environment Experiment	General Assessment	0.5	12		12			0.5															College of Environmental and Energy Engineering
0004746	Machine Shop Training A	General Assessment	1	30			30		1															College of Mechanical Engineering & Applied Electronics Technology
0002567	Engineering Graphics Practice	General Assessment	2	60			60				2													College of Mechanical Engineering &Applied Electronics Technology
0004964	Physics Laboratory (Engineering)-1	General Assessment	1	24	2	22					1													College of Applied Sciences
0003087	Practices of National Defense	General Assessment	1	30			30					1												Students' Affairs Office
0005374	Cognitive Practice	General Assessment	1	30			30					1												College of Architecture and Civil Engineering
0004965	Physics Laboratory (Engineering)-2	General Assessment	1.5	36		36							1.5											College of Applied Sciences

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				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
001212	Electronic Process Practice II	General Assessment	1	30	0		30						1											College of Electronic Information and Control Engineering
0007069	Social Practices	General Assessment	2	48			48									2								School of Marxism
0001302	Design of Machinery Design Foundation	General Assessment	2	60			60									2								College of Mechanical Engineering & Applied Electronics Technology
0005989	Specialty Experiment 1	General Assessment	1	24		24											1							College of Architecture and Civil Engineering
0005990	Specialty Experiment 2	General Assessment	1	24		24														1				College of Architecture and Civil Engineering
0007691	Commissioning and Running in HVAC System	General Assessment	1	24	12		12													1				College of Architecture and Civil Engineering
0005880	Computer Aided Design Practice in HVAC	General Assessment	1	30			30													1				College of Architecture and Civil Engineering
0002079	Specialty Integration Course Design	General Assessment	9	270			270														9			College of Architecture and Civil Engineering
0007686	Professional Practice	General Assessment	4	120			120														4			College of Architecture and Civil Engineering
0005233	Senior Project	General Assessment	16	480			480																16	College of Architecture and Civil Engineering
Practical Requirements		Sub-total	46	1332	14	118	1200		1.5		3	2	2.5			4	1			3	13		16	
Discipline Electives																								
Major Requirements			14	216	216													11		2.5				
Major Electives			5	80	80													2.5		2.5				
GEESEM:EM			6.0	96	96						2				2		2							
General Education Electives			8	128	128											4		4						
Electives		Sub-total	33	520	520						2				2		6		17.5		5			
Total for Theoretical Instruction			140	2338	2166	16	76	80	22.5		22.5	2	25.5		25		20		17.5		5			
Total for Practical Instruction			46	1332	14	118	1200		1.5		3	2	2.5			4	1			3	13		16	
Innovation Requirements			4.0				96											2		2				
Total			190	3670	2180	134	1372	80	24		25.5	4	28		25	4	21		19.5	3	20		16	

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

2012 Undergraduate Curriculum for Building Environment and Equipment Engineering (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
0000648	Heat-Supply Engineering	Exam	2	32	32	0	0												2					College of Architecture and Civil Engineering
0000668	Air Conditioning	Exam	2	32	32	0	0												2					College of Architecture and Civil Engineering
0007705	Ventilation Engineering	General Assessment	2	32	32	0	0												2					College of Architecture and Civil Engineering
0000666	Refrigeration Technology	Exam	2	32	32	0	0												2					College of Architecture and Civil Engineering
0000651	Boiler and Boiler Room Equipment	General Assessment	2	32	32	0	0												2					College of Architecture and Civil Engineering
0007706	Building Water Supply and Drainage	Exam	1	16	16	0	0												1					College of Architecture and Civil Engineering
0007707	New Technique of HVAC	General Assessment	1	16	16	0	0														1			College of Architecture and Civil Engineering
0005867	Building Equipments Automatic Control	General Assessment	1.5	24	24	0	0														1.5			College of Architecture and Civil Engineering
Major Requirements		Sub-total	13.5	216	216														11		2.5			
0007723	English on Building Environment and Facility Engineering	General Assessment	1.5	24	24	0	0												1.5					College of Architecture and Civil Engineering
0005876	Gas Transportation and Distribution	General Assessment	1	16	16	0	0												1					College of Architecture and Civil Engineering
0005875	Architecture Project Process Management	General Assessment	1	16	16	0	0												1					College of Architecture and Civil Engineering
0007724	Building Lighting and Power Distribution Design(Self-learning)	General Assessment	1.5	24	24	0	0												1.5					College of Architecture and Civil Engineering
0007721	Solar Energy Utilization and Building Energy Conservation	General Assessment	1	16	16	0	0														1			College of Architecture and Civil Engineering
0007722	Heat Pump Technology	General Assessment	1	16	16	0	0														1			College of Architecture and Civil Engineering
0007725	Building Energy Management	General Assessment	1	16	16	0	0														1			College of Architecture and Civil Engineering
0005869	Analysis on Building Energy Consumption	General Assessment	1.5	24	24	0	0														1.5			College of Architecture and Civil Engineering
0007726	Fire Safety Control and CFD Application in Buildings	General Assessment	1.5	24	24	0	0														1.5			College of Architecture and Civil Engineering
0007727	Fire Safety Control and CFD Application in Buildings (Chinese/English)	General Assessment	2	32	32	0	0														2			College of Architecture and Civil Engineering
Major Electives		Sub-total	13	208	208														5		8			

Vice-Director:

Date:

Vice-President:

Date: