

# 2012 Undergraduate Curriculum for Electronic Information Engineering (Excellent) ( 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		
0000295	Fundamentals of National Defense	General Assessment	2	32	32							2												Students' Affairs Office	
0000732	Ethical Conduct and Fundamentals of Law	General Assessment	3	48	32		16		3															Department of Basic Science	
0000733	Modern Chinese History	General Assessment	2	32	32						2													Department of Basic Science	
0000735	Introduction to Philosophy	General Assessment	3	48	48							3												Department of Basic Science	
0001416	Fundamentals of Chinese Sociology	General Assessment	4	64	48		16								4									Department of Basic Science	
0001251	College English (Band One)	Exam	4	64	64				4															Department of Basic Science	
0001252	College English (Band Two)	Exam	4	64	64						4													Department of Basic Science	
0000067	College English (Band Three)	Exam	4	64	64							4												Department of Basic Science	
0000068	College English (Band Four)	Exam	4	64	64										4									Department of Basic Science	
0000442	Physical Education-1	General Assessment	1	32	32				1															Department of Basic Science	
0000447	Physical Education-2	General Assessment	1	32	32						1													Department of Basic Science	
0000448	Physical Education-3	General Assessment	1	32	32							1												Department of Basic Science	
0000449	Physical Education-4	General Assessment	1	32	32										1									Department of Basic Science	
0000141	Calculus (Engineering)-1	Exam	5.5	99	64			35	5.5															Department of Basic Science	
0000142	Calculus (Engineering)-2	Exam	5.5	99	64			35			5.5													Department of Basic Science	
0000505	Linear Algebra (Engineering)	Exam	3	54	48			6			3													Department of Basic Science	
0001494	Complex Variables and Integral Transforms	General Assessment	2	36	36							2												Department of Basic Science	
0000133	Probability and Statistics (Engineering)	General Assessment	3	54	50			4					3											Department of Basic Science	
0000064	University Physics -1	Exam	4	64	64						4													Department of Basic Science	
0000065	University Physics -2	Exam	4	64	64							4												Department of Basic Science	
University Requirements		Sub-total	61	1078	966	0	32	80	13.5	0	19.5	2	17	0	9	0	0	0	0	0	0	0	0		
0001424	Freshmen Seminar Course	General Assessment	1	16	16				1															Department of Information Engineering	

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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
0000095	Electronic Technical Introduction	General Assessment	2.5	40	32	8			2.5															Department of Information Engineering
0001465	Advanced Language Programming I	General Assessment	3	48	32	16			3															Department of Information Engineering
0001329	Embedded Operating System	General Assessment	3	48	32	16					3													Department of Information Engineering
0001506	Fundamentals of Circuits Analysis I	Exam	4.5	72	48	24					4.5													Department of Information Engineering
0000430	Digital Electronics I	Exam	3.5	56	56								3.5											Department of Information Engineering
0001375	Analog Electronics I	Exam	4	64	64							4												Department of Information Engineering
0000483	Computer Principle & Interface Technique	Exam	4	64	44	20								4										Department of Information Engineering
0001330	Signals and Systems-1 (Chinese/English)	Exam	4	64	56	8								4										Department of Information Engineering
0000452	Circuit and Theory of Communication	Exam	4.5	72	64	8										4.5								Department of Information Engineering
0000435	Digital Signal Processing I	Exam	3.5	56	40	16										3.5								Department of Information Engineering
0000737	Communication Systems Principles	Exam	3.5	56	48	8											3.5							Department of Information Engineering
Discipline Requirements		Sub-total	41	656	532	124	0	0	6.5	0	7.5	0	7.5	0	8	0	8	0	3.5	0	0	0	0	
0001227	Information Technology Foundation Training	General Assessment	3	90			90		3															Department of Information Engineering
0000296	Practices of National Defense	General Assessment	1	30			30				1													Students' Affairs Office
0001508	Course Design of Advance Language Programming I	General Assessment	1	30			30		1															Department of Information Engineering
0001421	Physics Laboratory -1	General Assessment	1	24		24					1													Department of Basic Science
0000954	Machine Shop Training A	Exam	1	30			30				1													College of Mechanical Engineering and Applied Electronics
0001423	Physics Laboratory -2	General Assessment	1.5	36		36						1.5												Department of Basic Science
0000429	Digital Circuit Experiments	General Assessment	1	24		24						1												Department of Information Engineering
0000334	Analog Circuit Experiments	General Assessment	1	24		24						1												Department of Information Engineering
0007069	Social Practices	General Assessment	2	48			48								2									Department of Basic Science
0001331	The Outline of Electronic Circuit Design	General Assessment	2	60			60								2									Department of Information Engineering
0000366	Cognitive Practice	General Assessment	1	30			30								1									Department of Information Engineering
0001464	Data Structures and Algorithms Design	General Assessment	3	90			90									3								Department of Information Engineering

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				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
0001088	Electronic Engineering Design -1	General Assessment	2	60			60										2							Department of Information Engineering
0001089	Electronic Engineering Design -2	General Assessment	2	60			60												2					Department of Information Engineering
0001332	Engineering Practice	General Assessment	3	90			90														3			Department of Information Engineering
0001418	Professional Practice	General Assessment	4	120			120													4				Department of Information Engineering
0000026	Senior Project	General Assessment	16	480			480																16	Department of Information Engineering
Practical Requirements		Sub-total	45.5	1326	0	108	1218	0	4	0	2	1	3.5	0	0	5	5	0	2	4	3	0	16	
Discipline Electives			5	80	80										2		3							
Major Requirements			11	176	176												2		5		4			
Major Electives			4	64	64														2		2			
GEESEM:EM			8	128	128												2		2		4			
General Education Electives			10	160	160												4		4		2			
Electives		Sub-total	38	608	608	0	0	0	0	0	0	0	0	0	2	0	11	0	13	0	12	0	0	
Total for Theoretical Instruction			140	2342	2106	124	32	80	20	0	27	2	24.5	0	19	0	19	0	16.5	0	12	0	0	
Total for Practical Instruction			45.5	1326	0	108	1218	0	4	0	2	1	3.5	0	0	5	5	0	2	4	3	0	16	
Innovation Requirements			4	96			96												2		2			
Total			189.5	3764	2106	232	1346	80	24	0	29	3	28	0	19	5	24	0	20.5	4	17	0	16	

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

## 2012 Undergraduate Curriculum for Electronic Information Engineering (Excellent) ( II )

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
0001333	VHDL and Digital System Design	General Assessment	3	48	16	32									3									Department of Information Engineering
0001133	Matlab Language	General Assessment	2	32	8	24									2									Department of Information Engineering
0001334	Embedded Programming	General Assessment	3	48	16	32											3							Department of Information Engineering
0000695	Basic of Multimedia and Streaming Media Technology (Chinese/English)	General Assessment	2	32	20	12											2							Department of Information Engineering
0001356	Automotive Electronics and Sensor Technology	General Assessment	2	32	32												2							Department of Information Engineering
0000769	Video Technology and Applications	General Assessment	3	48	32	16													3					Department of Information Engineering
0000432	Digital Image Processing	General Assessment	3	48	32	16													3					Department of Information Engineering
0000081	Electromagnetic Field and Microwave	Exam	3	48	48														3					Department of Information Engineering
0000091	Electronic Measurement and Intelligent Instruments	General Assessment	3	48	36	12															3			Department of Information Engineering
Discipline Electives		Sub-total	24	384	240	144																		
0001226	Basic of Random Signal Analysis	General Assessment	2	32	24	8											2							Department of Information Engineering
0001402	Java Language	General Assessment	3	48	16	32											3							Department of Information Engineering
0001357	Principles of Automobile Structure	General Assessment	4	64	64												4							Department of Information Engineering
0000010	DSP Technology and Applications	General Assessment	2	32	16	16													2					Department of Information Engineering
0001358	Information Theory	General Assessment	2	32	32														2					Department of Information Engineering
0001083	Video Surveillance Technology	General Assessment	2	32	32														2					Department of Information Engineering
0001359	Automotive Bus Control	General Assessment	4	64	64														4					Department of Information Engineering
0001200	Electronic Competition Training	General Assessment	3	48	8	40													3					Department of Information Engineering
0001194	Basic of Voice Signal Processing (Chinese/English)	General Assessment	2	32	32																2			Department of Information Engineering
0001225	Basic of Digital Mobile Communication	General Assessment	2	32	24	8															2			Department of Information Engineering
0001224	Introduction to Electronic Product Reliability Engineering	General Assessment	2	32	16	16															2			Department of Information Engineering
0001336	Embedded System Design and Practice	General Assessment	3	48	16	32													3					Department of Information Engineering

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
Major Requirements		Sub-total	31	496	344	152																		
0000742	Principle & Application of Database	General Assessment	2.5	40	24	16											2.5							Department of Information Engineering
0000248	Principle & Application of Computer Network	General Assessment	3	48	32	16											3							Department of Information Engineering
0001086	Computer Network Security	General Assessment	2	32	32												2							Department of Information Engineering
0000597	Principles of Automatic Control	General Assessment	2	32	32												2							Department of Information Engineering
0000299	Technologic Document Retrieval and Utilization (Self-learning)	General Assessment	2	32	32																2			Department of Information Engineering
0000575	Basic of Intelligent Control	General Assessment	2	32	24	8															2			Department of Information Engineering
0001337	Signal and System-2	General Assessment	2	32	32																2			Department of Information Engineering
0001087	Structure and Process Design of Electronic Products	General Assessment	2	32	32																2			Department of Information Engineering
Major Electives		Sub-total	17.5	280	240	40																		

Vice-Director:

Vice-President:

Date:

Date: