

# Electrical Engineering and Automation Major's Program for International Students (Teaching in English)

(One) General Knowledge Courses 38 Credit

## 1. General Knowledge Compulsory Courses 30Credit

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F208001	Practical Chinese I	5.0	80	(5.0)	1-1st	Examination	
F103002	Programming Design C	4.0	64	(4.0)	1-1st	Examination	
F109001	A Glimpse of Chinese Culture	2.0	32	(2.0)	1-1st	Examination	
F219012	Enrollment Education	1.0	16	(1.0)	1-1st	Examination	
F103038	Introduction of Electrical Engineering & Automation	1.0	16	(1.0)	1-1st	Evaluation	
F208002	Practical Chinese II	5.0	80	(5.0)	1-2nd	Examination	
F109002	A Glimpse of Chinese Culture II	2.0	32	(2.0)	1-2nd	Examination	
F237001	China's Path and China's Model	2.0	32	(2.0)	1-2nd	Examination	
F208003	Practical Chinese III	4.0	64	(4.0)	2-1st	Examination	
F208004	Practical Chinese IV	4.0	64	(4.0)	2-2nd	Examination	

## 2. General Knowledge Selective Courses 8Credit

(Two) Basic Courses 43.5 Credit

### 1. Basic Compulsory courses 32.5 Credit

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F210013	Calculus (yingyu) I	4.0	64	(4.0)	1-1st	Examination	
F210009	Linear Algebra	2.0	32	(2.0)	1-2nd	Evaluation	
F210007	University Physics (International students)	3.0	48	(3.0)	1-2nd	Examination	
F410001	University Physics Experiment (International students)	1.0	32	(2.0)	1-2nd	Evaluation	
F210012	Calculus (yingyu) II	4.0	64	(4.0)	1-2nd	Examination	

F210008	Function of Complex Variables and Integral Transformation	3.0	48	(3.0)	2-1st	Evaluation	
Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F103006	Electric circuit & experiment	5.0	80	(5.0)	2-1st	Examination	
F210006	University Physics (International students )	2.0	32	(2.0)	2-1st	Examination	
F103004	Analog Electronics	4.5	72	(4.5)	2-2nd	Examination	
F103005	Digital circuit and digital logic	4.0	64	(4.0)	2-2nd	Examination	

## 2. Basic Selective courses 11Credit

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F103023	Data Structure and Principles and Applied of Database	3.0	48	(3.0)	2-1st	Evaluation	
F210005	Probability and Statistics (International students )	3.0	48	(3.0)	2-1st	Examination	
F102001	Engineering Graphics	3.0	48	(3.0)	2-1st	Evaluation	
F210010	Numerical calculation	2.0	32	(2.0)	2-2nd	Evaluation	
F103009	Digital Signal Processing	3.0	48	(3.0)	2-2nd	Examination	
F103007	Microcomputer Principle	3.5	56	(3.5)	3-1st	Examination	

## (Three) Specialty courses 38.5 Credit

### 1. Specialty Compulsory courses 23.5Credit

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F103037	C++ Programing	3.0	48	(3.0)	1-2nd	Evaluation	
F103008	Signals and Systems	4.0	64	(4.0)	2-1st	Examination	
F103026	Power Electronics A	3.5	56	(3.5)	3-1st	Examination	
F103027	Automatic Control Theory B	4.0	64	(4.0)	3-1st	Examination	
F103012	Computer Networks	4.0	64	(4.0)	3-1st	Examination	
F103028	Motion Control System	3.0	48	(3.0)	3-2nd	Examination	
F103014	Principle of Single Chip Computer	2.0	32	(2.0)	3-2nd	Examination	

### 1. Specialty Selective Courses 15Credit

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F103033	Introduction to Artificial Intelligence	2.0	32	(2.0)	2-1st	Evaluation	
F103019	Python Programming	2.0	32	(2.0)	2-2nd	Evaluation	
F103029	Electrical Machinery	3.5	56	(3.5)	2-2nd	Examination	
F103022	Java Programming	3.0	48	(3.0)	2-2nd	Evaluation	
F103024	Network Analyzing and Visualization	3.0	48	(3.0)	3-1st	Evaluation	
F103025	Electrical Engineering Fundamentals	3.0	48	(3.0)	3-1st	Examination	
F103031	Computer Control Technology	3.0	48	(3.0)	3-2nd	Examination	
F103030	MATLAB and System Simulation	2.0	32	(2.0)	3-2nd	Evaluation	
F103016	Embedded System	3.0	48	(2.0)	4-1st	Examination	

### (Four) Practical Teaching Section 27 Credit

#### 1. Practical Compulsory Courses 27 Credit

Course Code	Course Name	Credit	Weeks ( Class Hours )	Term	Note	Minor Course
F703007	Electronic Techniques Practice	1.0	2	2-2nd		
F703003	Large experiment in analog electronics	2.0	4	2-2nd		
F703004	Large experiment in digital circuit and digital logic	2.0	4	2-short		
F703005	Experiment of Electronic Circuit CAD	2.0	64 Course Hours	3-1st		
F703008	Practice of Single-Chip Microcomputer	2.0	4	3-2nd		
F703001	Large experiment in motion control system	2.0	4	4-1st		
F603001	Graduation Project	16.0	16	4-2nd		

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