

电子信息工程专业本科培养计划

Bachelor degree of Engineering (BEng) in Electronics and Information Engineering

一、培养目标

I. Program Objectives

本专业将培养德、智、体全面发展，具有电子信息领域系统、扎实的理论基础，具有工程实践和创新能力的的高素质科技人才。

本专业的毕业生将掌握信息科学领域内基础理论知识，获得从信息获取、传递、处理到应用等各方面的基本专业知识，掌握电子电路、信号处理以及多媒体信息处理等方向的基本原理和技术，具有参与设计和开发信息应用系统的工程实践能力。毕业生将具有较强的专业英语能力、良好的人文素质和创新精神，成为能在信息和通信技术产业的科研部门、高等院校从事通信系统与工程的设计、集成及开发等工作的研究型或应用型人才。

This program is designed to produce fully-developed engineers in morality, intelligence and health that are trained to develop the fundamental theories and skills, a consolidated knowledge structure, and to be enhanced with hands-on engineering experiences and innovative initiatives in electronics and information engineering.

The graduates in this program are required to develop the systems and technologies which drive the information age, from acquiring information, transmission, processing to application. They are required to master the basic theories and skills in electronic circuits, signal processing and multimedia processing, and they are able to participate in the design and development of various communication and information systems. The graduates are enhanced with strong professional English in electronics and information engineering, good personality and innovative initiatives. They are qualified to design, integrate and develop systems and technologies in communications engineering in information and communications industries, research institutes, universities and other related communities.

二、基本规格要求

II. Highlights

毕业生应获得以下几个方面的知识和能力：

1. 具有较扎实的数理基础，具有较强的英语语言能力；
2. 掌握文献检索和撰写科技论文的方法，了解信息学科的发展动态和理论前沿；
3. 理解信息科学的基本理论和方法，具有研究实际问题的能力
4. 掌握信号处理、信息处理系统的原理与技术，具有参与设计和开发的实践能力；
5. 具有较好的人文社科知识和人文素质；
6. 具有较强的团队合作和科技创新精神。

Students are expected to acquire the following knowledge or skills:

1. Consolidated background in both mathematics and physics and strong English capabilities;
2. Skills in searching literatures and writing technical report, and familiar with the development trends in the information discipline and research frontiers;
3. Understanding of basic theories and methods in information science, and research capabilities

of real engineering problems;

4. Mastering principles and technologies in signal processing, information processing systems and participate in the design and development of information systems;
5. Sound knowledge in humanities-and-art and good personality;
6. Cooperative attitude as a team player and strong innovative initiatives.

三、培养特色

III. Program Features

本专业将以电子电路、信号分析、多媒体处理等信息系统的设计与应用为方向，着重培养学生在电子技术、信号处理等方面的理论基础，培养学生参与多种信息应用系统的设计与开发的工程实践和创新能力。修完本专业课程后，学生也可选择攻读电子科学、通信工程、计算机科学、自动化、光电信息等领域的研究生。

This program focuses on the design and application of information systems in electronic circuits, signal processing and multimedia processing. Students are required to construct solid and broad theoretical background in electronic technologies and information processing, and they are enhanced with the hands-on engineering experiences and innovative initiatives in the design and development of multiple information systems. Upon graduation, graduates may choose to continue their studies at the postgraduate level in electronic science, communication engineering, computer science, automation and optical-electronic related disciplines.

四、主干学科

IV. Major Discipline

电子科学与技术

Electronics Science and Technology

五、学制与学位

V. Program Length and Degree

学制：四年制

Program Length: Four years

授予学位：工学学士

Degrees Conferred: Bachelor of Engineering

六、学时与学分

VI. Hours/Credits

完成学业最低课内学分（含课程体系与集中性实践教学环节）要求：159.5

Minimum Credits of Curriculum (including courses and intensive practical training/internship): 159.5

完成学业最低课外学分要求：5

Minimum Extracurricular Credits: 5

1. 课程体系学时与学分

Hours/Credits of the Curriculum

课程类别		课程性质	学时/学分	占课程体系学分比例 (%)
通识教育基础课程		必修	1080/61.5	43.1
		选修	160/10	6.4
学科基础	学科大类基础课程	必修	552/31.5	22.0

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课程	学科专业基础课程	必修	520/31.5	20.8
专业课程	公共专业选修课程	选修	64/4	2.6
	专业方向课程	选修	128/8	5.2
合计			2504/146.5	100

Course Classified		Course Nature	Hrs/Crs	Percentage (%)
Basic Courses in General Education		Required	1080/61.5	43.1
		Elective	160/10	6.4
Basic Courses in Discipline	Common Core Courses	Required	552/31.5	22.0
	Common Major Courses	Required	520/31.5	20.8
Courses in Major	Common Elective Courses	Elective	64/4	2.6
	Elective Major Courses	Elective	128/8	5.2
Total			2504/146.5	100

2. 集中性实践教学环节周数与学分

Weeks/Credits of Intensive Practical Training / Internship

实践教学环节名称	课程性质	周数/学分	占实践教学环节学分比例 (%)
军事训练	必修	2/1	7.7
电工实习	必修	2/1	7.7
生产实习 (社会实践)	必修	2/1	7.7
软件课程设计	必修	2/1	7.7
硬件课程设计	必修	2/1	7.7
毕业设计	必修	16/8	61.5
合计		26/13	100

Practical Training / Internship	Course Nature	Weeks/Credits	Percentage (%)
Military Training	Required	2/1	7.7
Electrical Engineering Practice	Required	2/1	7.7
Engineering Internship (Social Practice)	Required	2/1	7.7
Course Project of Software	Required	2/1	7.7
Course Project of Hardware	Required	2/1	7.7
Undergraduate Thesis	Required	16/8	61.5
Total		26/13	100

3. 课外学分

Extracurricular Credits

序号	课外活动名称	课外活动和社会实践的要求		课外学分
1	社会实践活动	提交社会调查报告, 通过答辩者		1
		个人被校团委或团省委评为社会实践活动积极分子者, 集体被校团委或团省委评为优秀社会实践队者		2
2	英语及计算机考试	全国大学英语六级考试	考试成绩达到学校要求者	2
		全国计算机等级考试	获二级以上证书者	2
		全国计算机软件资格、水平考试	获程序员证书者	2
			获高级程序员证书者	3
3	校级	获一等奖者	3	
		获二等奖者	2	
		获三等奖者	1	
	省级	获一等奖者	4	
		获二等奖者	3	
		获三等奖者	2	
全国	获一等奖者	6		
	获二等奖者	4		

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			获三等奖者	3
4	论文	在全国性刊物发表论文	每篇论文	2~3
5	科研	视参与科研项目时间与科研能力	每项	1~3
6	实验	视创新情况	每项	1~3

注：参加校体育运动会获第一名、第二名者与校级一等奖等同，获第三名至第五名者与校级二等奖等同，获第六至第八名者与校级三等奖等同。

No.	Extracurricular Activities and Social Practice	Requirements		Extracurricular Credits
1	Activities of Social Practice	Submit social practice report and pass oral defense		1
		Entitled as the Activist by the Communist Youth League of HUST or the Hubei Province; Membership of the group which is entitled as Excellent Social Practice Group by the Communist Youth League of HUST or the Hubei Province		2
2	Examinations in English and Computer	CET-6	Students whose Band-6 exam scores passed university requirements	2
		National Computer Rank Examination	Holder of the Certificate of Band-2 or higher	2
		National Computer Software Qualification	Holder of the Certificate of programmer	2
			Holder of the Certificate of Advanced Programmer	3
			Holder of the Certificate of System Analyst	4
3	University Level	First prize winner	3	
		Second prize winner	2	
		Third prize winner	1	
	Provincial Level	First prize winner	4	
		Second prize winner	3	
		Third prize winner	2	
	National Level	First prize winner	6	
		Second prize winner	4	
		Third prize winner	3	
4	Research papers	Published in national journals	Per paper	2~3
5	Scientific Research	Determined based on both the time and research capability demonstrated in research project	Each item	1~3
6	Experiments	Determined based on innovation output	Each item	1~3

Note: In HUST Sports Meets, number 1~2 is equivalent to the first prize winner of the university-level games; number 3~5 is equivalent to the second prize winner of the university-level games; and number 6~8 is equivalent to the third prize winner of the university-level games when the extracurricular credits are calculated.

七、主要课程

VII. Main Courses in Major

电路理论 Circuit Theory、模拟电子技术 Analog Electronics、数字电路与逻辑设计(一) Digital Circuit and Logic Design (I)、信号与线性系统 Signal and Linear System、数字信号处理 Digital Signal Processing、通信原理 Principles of Communications、通信电子线路 Electronic Circuits of Communications、基础信息论 Fundamentals of Information Theory、随机过程 Stochastic Process、电磁场与电磁波 Electromagnetic Field and Wave、数据结构 Data Structure、微机原理 Principles of Microcomputer

八、主要实践教学环节(含专业实验)

VIII. Main Internship and Practical Training (Including experiments)

电子线路设计·测试·实验 Electronic Circuit Design, Test and Experiments、微机原理实验 Experiments of Microcomputer Principles、软件课程设计 Course Project of Software、硬件课程设计 Course Project of Hardware

九、教学进程计划表

IX. Program Schedule

院(系): 电子与信息工程系

专业: 电子信息工程

School (Department): Department of Electronics and Information Engineering

Major: Electronics and Information Engineering

课程类别 Course Classification	课程性质 Course Nature	课程代码 Course Code	课程名称 Course Name	学时/学分 Hrs/Crs	其中 Including			各学期学时 Hours Distribution in a Semester									
					课外 Extra-cur.	实验 Exp.	上机 Operation	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th		
通识教育基础课程 General Education Courses	必修 Required	0301901	思想道德修养与法律基础 Morals & Ethics & Fundamentals of Laws	40/2.5	8			32									
	必修 Required	0100721	中国近现代史纲要 An Outline of Modern Chinese History	32/2	8				24								
	必修 Required	0100881	马克思主义基本原理 Basic Theory of Marxism	40/2.5	8					32							
	必修 Required	0100931	思政课社会实践 Social Practice of Ideological and Political Theories	24/1.5	20				4								
	必修 Required	0100321	毛泽东思想和中国特色社会主义理论体系概论 General Introduction to Mao Zedong's Thoughts and Socialist Theory with Chinese Characteristics	56/3.5							56						
	必修 Required	0100741	形势与政策 Contemporary Affairs and Policies	32/2	14			3	3	3	3	3	3				
	必修 Required	0510071	中国语文 Chinese	32/2	10			22									
	必修 Required	0500015	综合英语(一) College English (I)	56/3.5				56									
	必修 Required	0500017	综合英语(二) College English (II)	56/3.5					56								
	选修 Elective	0500019	基础英语(三) College English (III)	32/2							32						

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					课外 Extra-cur.	实验 Exp.	上机 Operation	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th		
	选修 Elective	0503019	基础英语（四） College English（IV）	32/2							32						
	必修 Required	0400111	大学体育（一） Physical Education(I)	32/1				32									
	必修 Required	0400121	大学体育（二） Physical Education(II)	32/1					32								
	必修 Required	0400131	大学体育（三） Physical Education(III)	32/1						32							
	必修 Required	0400141	大学体育（四） Physical Education(IV)	32/1							32						
	必修 Required	1200011	军事理论 Military Theory	16/1				16									
	必修 Required	0700011	微积分（一）上 Calculus（I）	80/5				80									
	必修 Required	0700012	微积分（一）下 Calculus（II）	80/5					80								
	必修 Required	0700031	大学物理（一） Physics（I）	64/4					64								
	必修 Required	0700032	大学物理（二） Physics（II）	64/4						64							
	必修 Required	0700041	物理实验（一） Physical Experiments（I）	32/1		32			32								
	必修 Required	0700042	物理实验（二） Physical Experiments（II）	32/1		32				32							
	必修 Required	0700051	线性代数（一） Linear Algebra（I）	40/2.5					40								
	必修 Required	0700071	复变函数与积分变换 Complex Functions and Integral Transforms	40/2.5						40							
	必修 Required	0700063	概率论与数理统计（三） Probability and Mathematics Statistics (III)	40/2.5						40							
	必修 Required	0700081	数理方程与特殊函数（一） Mathematics Physics Equations and Functions	40/2.5							40						
	选修 Required	0800171	大学计算机基础 Fundamentals of Computer Technology	32/2			12	32									
	必修 Required	0810011	C语言程序设计 Advanced Programming Language (C++)	56/3.5			20		56								
			人文社科类选修课程 Elective courses in Humanities and Social Science	160/10													

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					课外 Extra-cur.	实验 Exp.	上机 Operation	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th	
学科基础课程 学科大类基础 Basic Courses in General Discipline	必修 Required	0801663	工程制图（一） Engineering Graphics（I）	40/2.5				40								
	必修 Required	0800441	信息技术导论 Introduction to Information Technologies	24/1.5				16		4		4				
	必修 Required	0800113	电路理论（三） Circuit Theory（III）	88/5.5					88							
	必修 Required	0511901	文献情报检索 Information Retrieval in Literature	24/1.5		12				24						
学科基础课程 学科大类基础 Common Major Courses	必修 Required	0803051	电路测试实验 Circuit Measurement Experiments	32/1		32				32						
	必修 Required	0800124	模拟电子技术（二） Analog Electronics（II）	56/3.5						56						
	必修 Required	0800155	信号与线性系统 Signal and Linear System	64/4		8					64					
	必修 Required	0800773	数字电路与逻辑设计（一） Digital Circuit and Logic Design（I）	56/3.5							56					
	必修 Required	0815811	电子线路设计·测试·实验（一） Electronic Circuitry Design, Test and Experiments（I）	32/1		32				32						
	必修 Required	0815821	电子线路设计·测试·实验（二） Electronic Circuitry Design, Test and Experiments（II）	32/1		32					32					
	必修 Required	0800301	微机原理 Principles of Microcomputer	56/3.5								56				
	必修 Required	0811161	计算机网络技术及应用 Computer Networks and Applications	48/3		16						48				
	选修 Electiv	0810651	微电子器件与IC设计 Electronic Device Basics and IC Design	56/3.5									56			
学科基础课程 学科专业基础 Core Major Courses	必修 Required	0800412	数据结构 Data Structure	56/3.5			12			56						
	必修 Required	0803071	通信电子线路 Electronic Circuits of Communications	64/4		8						64				
	必修 Required	0700034	随机信号分析 Stochastic Process	48/3		8					48					
	必修 Required	0800791	微机原理实验 Experiments of Microcomputer Principles	32/1		32							32			
	必修 Required	0808041	操作系统 Operation Systems	48/3			8							48		
	必修 Required	0800252	电磁场与电磁波 Electromagnetic Field and Wave	40/2.5									40			
	必修 Required	0800161	数字信号处理 Digital Signal Processing	48/3		8							48			

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					课外 Extra-cur.	实验 Exp.	上机 Operation	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th	
	必修 Required	0800511	基础信息论 Fundamentals of Information Theory	32/2									32			
	必修 Required	0821341	嵌入式系统原理与设计 Principles and Design of Embedded Systems	32/2											32	
	必修 Required	0800431	通信原理 Principles of Communications	64/4		8									64	
	必修 Required	0803081	微波技术基础 Fundamentals of Microwave Engineering	56/3.5		8									56	
专业课程 专业方向 Elective Major Courses			专业方向选修公共课程 Elective Major Courses	64/4												
	限选 Elective		专业方向及其选课（讲座） Lectures on Majors and Courses	8/0									8			
	选修 Elective	0800502	高级程序设计 Advanced Programming	32/2											32	
	选修 Elective	0800234	数据库 Database Systems	32/2											32	
	选修 Elective	0803172	软件工程 Software Engineering	32/2											32	
	选修 Elective	0809961	虚拟仪器技术及应用 Virtual Instrumentation and Applications	32/2											32	
	选修 Elective	0803231	传感器技术及应用 Sensor Technology and Applications	32/2											32	
	选修 Elective	0809891	Java 语言程序设计 JAVA Language Programming	32/2			16								32	
	选修 Elective	0810261	可靠性技术基础 Fundamentals of Reliability	32/2											32	
	选修 Elective	0821351	ARM 处理器及应用 ARM Processor and Applications	32/2		32									32	
	选修 Elective	0821361	Altera 可编程片上系统及应用 Altera SOPC and Applications	32/2		32									32	
	选修 Elective	0821371	Xilinx FPGA 及应用 Xilinx FPGA and Applications	32/2		32									32	
	选修 Elective	0821381	MSP430 单片机及应用 MSP430 Microcontroller and Applications	32/2		32									32	
	选修 Elective	0821391	Freescale 单片机及应用 Freescale Microcontroller and Applications	32/2		32									32	
	选修 Elective	0821401	8051 系列单片机原理及应用 8051 Microcontroller Principles and Applications	32/2		32									32	

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					课外 Extra-cur.	实验 Exp.	上机 Operation	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th	
	选修 Elective	0803151	DSP 处理器及应用 Digital Signal Processors and their Applications	32/2		32									32	
	选修 Elective	0821411	嵌入式 Linux 软件设计 Embedded Linux Software Design	32/2		32									32	
	选修 Elective	0821421	WinCE 软件设计 WinCE Software Design	32/2		32									32	
	选修 Elective	0833041	信号检测与估计 Signal Detection and Estimation	40/2.5		40										40
	选修 Elective	0833051	现代信号处理 Advanced Signal Processing	40/2.5		40										40
	选修 Elective	0830041	光纤通信基础 Fundamentals of Fiber-optic Communications	32/2												32
专业课程 专业方向 Elective Major Courses			专业方向选修课程组 (2 组选 1 组) Elective Major Courses	128/8												
			课程组 A (信号与信息处理) Elective Courses in Stream A	128/8												
		限选 Elective	0840361	现代信息处理 (讲座) Selective Topics on Modern Information Processing	16/1										16	16
		选修 Elective	0803211	数字语音处理 Digital Speech Processing	32/2										32	32
		选修 Elective	0800243	数字图像处理 Digital Image Processing	40/2.5										40	40
		选修 Elective	0803141	视频技术 Video Technology	40/2.5										40	40
		选修 Elective	0810571	多媒体技术及应用 Multimedia Technology and Applications	40/2.5		16								40	40
		选修 Elective	0809871	雷达阵列信号处理 Radar Array Signal Processing	40/2.5										40	40
		选修 Elective	0840321	生物信息与医学图像处理 Bio-information and Medical Image Processing	40/2.5										40	40
		选修 Elective	0840331	卫星导航原理与应用 Satellite Navigation System: Principles and Applications	32/2										32	32
		选修 Elective	0833121	人工智能与模式识别 Artificial Intelligence and Pattern Recognition	32/2										32	32
				课程组 B (信息安全方向) Elective Courses in Stream B	128/8											
		限选 Elective	0840391	信息安全前沿讲座 Advanced Topics on Information Security	16/1										16	16
		选修 Elective	0833101	网络信息安全 Security of Networks and Information	32/2										32	32

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课程类别 Course Classification	课程性质 Course Nature	课程代码 Course Code	课程名称 Course Name	学时/学分 Hrs/Crs	其中 Including			各学期学时 Hours Distribution in a Semester							
					课外 Extra-cur.	实验 Exp.	上机 Oper- ation	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th
	选修 Elective	0833111	数字水印技术与应用 Digital Watermarking and Applications	32/2										32	32
	选修 Elective	0700391	小波分析与应用 Wavelet Analysis and Application	32/2										32	32
	选修 Elective	0804441	人工智能与模式识别 Artificial Intelligence and Pattern Recognition	32/2										32	32
	选修 Elective	0806491	数据挖掘 Data Mining	32/2										32	32
	选修 Elective	0800243	数字图像处理 Digital Image Processing	40/2.5										40	40
	选修 Elective	0840381	应用密码学 Applied Cryptography	32/2										32	32
实践环节 Internship and Practical Training	必修 Required	1300012	军事训练 Military Training	2w/1				2w							
	必修 Required	1300032	电工实习 Electrical Engineering Practice	2w/1						2w					
	必修 Required	1300083	生产实习 Engineering Internship	2w/1									2w		
	必修 Required	1300402	软件课程设计 Course Project of Software	2w/1							2w				
	必修 Required	1300292	硬件课程设计 Course Project of Hardware	2w/1								2w			
	必修 Required	1300066	毕业设计（论文） Undergraduate Thesis	16w/8											16w

电子信息工程第二主修专业培养计划

Bachelor degree of Engineering (BEng) for the Second Major in Electronics and Information Engineering

一、培养目标

I. Program Objectives

本专业将培养德、智、体全面发展，具有电子信息领域系统、扎实的理论基础，具有工程实践和创新能力的的高素质科技人才。

This program is designed to produce fully-developed engineers in morality, intelligence and health that are trained to develop the fundamental theories and skills, a consolidated knowledge structure, and to be enhanced with hands-on engineering experiences and innovative initiatives in electronics and information engineering.

二、学位

II. Degree Conferred

工学学士

Bachelor of Engineering

三、学分

III. Credits

完成学业最低学分要求：50

Minimum Course Credits: 50

其中：

Including:

学科大类基础课程：12 学分

Common Core Courses: 12

学科专业基础课程：5.5 学分

Common Major Courses: 5.5

专业核心课程：9.5 学分

Core Major Courses: 9.5

专业方向课程：13 学分

Elective Major Courses: 13

毕业设计：10 学分

Undergraduate Thesis: 10

四、教学进程计划表

IV. Table of Teaching Schedule

课程类别 Course Classification	课程性质 Course Nature	课程代码 Course Code	课程名称 Course Name	学时/学分 Hrs/Crs	其中 Including			各学期学时 Hours Distribution in a Semester									
					课外 Extra-cur.	实验 Exp.	上机 Operation	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th		
	必修 Required	0800441	信息技术导论 Introduction to Information Technologies	24/1.5				16		4		4					

华中科技大学本科专业人才培养计划

程 学 科 大 类 基 础 课 程 Common Core Courses	必 修 Required	0800124	模拟电子技术（二） Analog Electronics (II)	56/3.5						56								
	必 修 Required	0800152	信号与线性系统 Signal and Linear System	56/3.5						56								
	必 修 Required	0811161	计算机网络技术及应用 Computer Networks and Applications	48/3											48			
学 科 专 业 基 础 课 程 Common Major Courses	必 修 Required	0800773	数字电路与逻辑设计（一） Digital Circuit and Logic Design (I)	56/3.5						56								
	必 修 Required	0827002	电子线路设计·测试·实验（一） Electronic Circuitry Design, Test and Experiments (I)	32/1		32					32							
	必 修 Required	0827002	电子线路设计·测试·实验（二） Electronic Circuitry Design, Test and Experiments (I)	32/1		32						32						
专 业 核 心 课 程 Core Major Courses	必 修 Required	0800252	电磁场与电磁波 Electromagnetic Field and Wave	48/3										48				
	必 修 Required	0800161	数字信号处理 Digital Signal Processing	48/3		8								48				
	必 修 Required	0803071	通信电子线路 Electronic Circuits of Communication	64/4		8								64				
专 业 方 向 选 修 课 程 Elective Major Courses			专业方向选修课程 Elective Major Courses	208/13														
	选 修 Elective	0800511	基础信息论 Fundamentals of Information Theory	40/2.5											40			
	选 修 Elective	0803141	数字视频技术 Digital Video Technology	40/2.5											40			
	选 修 Elective	0803151	DSP 处理器及应用 Digital Signal Processors and Their Application`	32/2											32			
	选 修 Elective	0800431	通信原理 Principles of Communications	64/4		8										64		
	选 修 Elective	0800241	数字图像处理 Digital Image Processing	48/3		8										48		
	选 修 Elective	0803211	数字语音处理 Digital Speech Processing	32/2												32		
实 践 环 节 Intership and Practical Training	必 修 Required	1300057	毕业设计（论文） Undergraduate Thesis	10w/ 10														10 w

电子信息工程辅修专业培养计划

Bachelor degree of Engineering (BEng) for the Minor in Electronics and Information Engineering

一、培养目标

I. Program Objectives

本专业将培养德、智、体全面发展，具有电子信息领域系统、扎实的理论基础，具有工程实践和创新能力的的高素质科技人才。

This program is designed to produce fully-developed engineers in morality, intelligence and health that are trained to develop the fundamental theories and skills, a consolidated knowledge structure, and to be enhanced with hands-on engineering experiences and innovative initiatives in electronics and information engineering.

二、学分

II. Degree Conferred

完成学业最低学分要求：28

Minimum Course Credits: 28

其中：

Including:

学科专业基础课程：15 学分

Common Major Courses: 15

专业核心课程：13 学分

Core Major Courses: 13

三、教学进程计划表

III. Program Schedule

课程类别 Course Classification	课程性质 Course Nature	课程代码 Course Code	课程名称 Course Name	学时/学分 Hrs/Crs	其中 Including			各学期学时 Hours Distribution in a Semester								
					课外 Extra-cur.	实验 Exp.	上机 Operation	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th	
学科基础课程 Common Major Courses	必修 Required	0800152	信号与线性系统 Signal and Linear System	56/3.5		8				56						
	必修 Required	0800124	模拟电子技术（二） Analog Electronics (II)	56/3.5					56							
	必修 Required	0800773	数字电路与逻辑设计（一） Digital Circuit and Logic Design (I)	56/3.5						56						
	必修 Required	0827002	电子线路设计·测试·实验 Electronic Circuitry Design, Test and Experiments	64/4		64				64						
业专	必修 Required	0803071	通信电子线路 Electronic Circuits of Communication	64/4		8						64				

华中科技大学本科专业人才培养计划

课程类别 Course Classification	课程性质 Course Nature	课程代码 Course Code	课程名称 Course Name	学时/学分 Hrs/Crs	其中 Including			各学期学时 Hours Distribution in a Semester									
					课外 Extra-cur.	实验 Exp.	上机 Operation	一	二	三	四	五	六	七	八		
								1st	2nd	3rd	4th	5th	6th	7th	8th		
Core Major Courses	必修 Required	0800161	数字信号处理 Digital Signal Processing	48/3									48				
	必修 Required	0800511	基础信息论 Fundamentals of Information Theory	32/2									32				
	必修 Required	0800431	通信原理 Principles of Communications	64/4		8								64			