

西北工业大学本科生培养方案

专业名称	电气工程（英）
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专业代码	0910	
学院名称	自动化学院	
培养方案制定人签字		年 月 日
院长签字		年 月 日
学院教学委员会负责人签字		年 月 日

电气工程（英）本科培养方案

1952196019702003“”621198520152019“”

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155

通识通修	65.5	学分	占总学分的比例：42.3%
学科专业	89.5	学分	占总学分的比例：57.7%

89.5 学分

155 65.5 89.5 155

1. 89.5 学分

1) 28.5 学分

	U08M12023	模拟电子技术基础（英）	4	学分
	U08M12024	数字电子技术基础（英）	4	学分
	U08M12065	电路基础 I（英）	4	学分
	U08M22025	模拟电子技术基础实验（英）	1	学分
	U08M22026	数字电子技术基础实验（英）	1	学分
	U08M22066	电路基础 I 实验（英）	1	学分
	U09M12001	自动控制原理II（英）	5.5	学分
	U09M12002	嵌入式系统及应用(英)	4	学分
	U09M12009	工程电磁场(英)	2.5	学分
	U09M22001	自动控制原理II实验（英）	1.5	学分

2) 17.5 学分

	U09M11055	学科前沿系列讲座	1	学分
	U09M12004	电力电子技术(英)	3.5	学分
	U09M12005	电力系统(英)	4	学分
	U09M12007	电力拖动与控制系统(英)	3.5	学分

	U09M12003	电机学(英)	5.5	学分
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3) 16.5 学分

	U09M12015	系统可靠性分析与设计(英)	2	学分
	U09M12025	运动控制基础及应用(英)	2	学分
	U09M13006	科技论文写作与文献检索(双)	2	学分
	U09M13007	智能电网技术基础(双)	2	学分
	U09M12006	电气测试技术(英)	2.5	学分
	U09M12008	电气系统仿真(英)	2.5	学分
	U09M12014	可编程控制器技术	2	学分
	U09M12016	现代电源技术(英)	2	学分
	U09M12027	电能质量分析与控制(英)	2	学分
	U09M12030	新能源与混合动力(外教)	1.5	学分

4) 17 学分

U09P4100 1	认识实习	1	学分	
U09P4100 2	生产实习	2	学分	
U09P5100 5	电力电子技术课程设计	2.5	学分	
U09P5100 7	电力拖动与控制系统工程实践	2.5	学分	先修课程：《电力拖动与控制系统》、《电机学》、《自动控制原理》、《模拟电路》、《数字电路》、《电力电子技术》、《工程电磁场》等
U09P5100 8	嵌入式系统应用实践	2	学分	
U09P6100 6	研究训练	2	学分	
U32P4100 1	金工实习A	2	学分	
U32P4100 4	电子实习B	2	学分	
U09P6100 7	工程与研究训练	1	学分	

5) 10 学分

	U09P71002	毕业设计/论文	10	学分
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155 学分

1. 65.5 学分

1) 4.5 学分

	毕业时，学生应通过二十四式太极拳考核；另外4学分体育课从体育课组自选。			
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(1) 0.5 学分

	U31G71072	二十四式简化太极拳	0.5	学分
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(2) 4 学分

	U31G71008	足球初级	1	学分
	U31G71009	足球中级	1	学分
	U31G71010	足球高级	1	学分
	U31G71011	足球高级2	1	学分
	U31G71012	足球高级3	1	学分
	U31G71013	排球初级	1	学分
	U31G71014	排球中级	1	学分
	U31G71015	排球高级	1	学分
	U31G71016	橄榄球初级	1	学分
	U31G71017	橄榄球中级	1	学分
	U31G71018	橄榄球高级	1	学分
	U31G71019	橄榄球高级2	1	学分
	U31G71020	乒乓球初级	1	学分
	U31G71021	乒乓球中级	1	学分
	U31G71022	乒乓球高级	1	学分
	U31G71023	乒乓球高级2	1	学分
	U31G71024	羽毛球初级	1	学分
	U31G71025	羽毛球中级	1	学分
	U31G71026	羽毛球高级	1	学分
	U31G71027	羽毛球高级2	1	学分
	U31G71028	网球初级	1	学分
	U31G71029	网球中级	1	学分
	U31G71030	网球高级	1	学分
	U31G71031	网球高级2	1	学分
	U31G71032	游泳初级	1	学分
	U31G71033	游泳中级	1	学分
	U31G71034	游泳高级	1	学分
	U31G71035	游泳高级2	1	学分
	U31G71036	游泳高级3	1	学分
	U31G71037	武术初级	1	学分
	U31G71038	武术中级	1	学分
	U31G71039	武术高级	1	学分
	U31G71040	跆拳道初级	1	学分
	U31G71041	跆拳道中级	1	学分
	U31G71042	大学生安全防卫学	1	学分
	U31G71043	健美操初级	1	学分
	U31G71044	健美操中级	1	学分
	U31G71045	健美操高级	1	学分
	U31G71046	体育舞蹈初级	1	学分
	U31G71047	体育舞蹈中级	1	学分
	U31G71048	啦啦操	1	学分
	U31G71049	健身瑜伽	1	学分
	U31G71050	男子健美	1	学分
	U31G71051	运动与康复保健	1	学分
	U31G71052	运动与关节健康	1	学分
	U31G71053	运动与慢病防治	1	学分
	U31G71054	运动与养生	1	学分
	U31G71055	翱翔体育（上）	0.5	学分
	U31G71056	翱翔体育（下）	0.5	学分
	U31G71059	篮球初级	1	学分
	U31G71060	篮球中级	1	学分

	U31G71061	篮球高级	1	学分
	U31G71062	篮球高级2	1	学分
	U31G71063	篮球高级3	1	学分
	U31G71072	二十四式简化太极拳	0.5	学分
	U31G71073	篮球初级	1	学分
	U31G71074	排球初级	1	学分
	U31G71075	足球初级	1	学分
	U31G71076	橄榄球初级	1	学分
	U31G71077	乒乓球初级	1	学分
	U31G71078	羽毛球初级	1	学分
	U31G71079	网球初级	1	学分
	U31G71080	游泳初级	1	学分
	U31G71081	武术初级	1	学分
	U31G71082	跆拳道初级	1	学分
	U31G71083	大学生安全防卫学	1	学分
	U31G71084	男子健美	1	学分
	U31G71085	体育舞蹈初级	1	学分
	U31G71086	健美操初级	1	学分
	U31G71087	啦啦操	1	学分
	U31G71088	健身瑜伽	1	学分
	U31G71089	体适能基础	1	学分
	U31G71100	体育健康基础课（上）	0.5	学分
	U31G71101	体育健康基础课（下）	0.5	学分
	U34G11004	大学生心理健康教育	2	学分

2) 19 学分

	U26G12002	中国文化1	2	学分
	U26G11001	对外汉语1	3.5	学分
	U26G11003	对外汉语2	4	学分
	U26G11005	对外汉语3	3.5	学分
	U26G11006	对外汉语4	4	学分
	U26G12004	中国文化2	2	学分

3) 37 学分

	U05M12027	机械制图（英）	3	学分
	U11G12035	微积分（上）（英）	4	学分
	U11G12036	微积分（中）（英）	4	学分
	U11G12037	微积分（下）（英）	4	学分
	U11G12038	线性代数（英）	3	学分
	U11G12039	计算方法（英）	2.5	学分
	U11G12040	概率论与数理统计（英）	3.5	学分
	U11G12041	复变函数与积分变换（英）	2.5	学分
	U11G28063	大学物理实验III（上）（英）	1.5	学分
	U11G28064	大学物理实验III（下）（英）	1.5	学分
	U11G42049	大学物理 IV（下）（英）	3.5	学分
	U11G43048	大学物理 IV（上）（英）	4	学分

4) 5 学分

	U10G12030	C程序设计（英）I	3	学分
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	U10G22031	C程序设计（英）I实验	2	学分
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2. 89.5 学分

1) 28.5 学分

	U08M12023	模拟电子技术基础（英）	4	学分
	U08M12024	数字电子技术基础（英）	4	学分
	U08M12065	电路基础 I（英）	4	学分
	U08M22025	模拟电子技术基础实验（英）	1	学分
	U08M22026	数字电子技术基础实验（英）	1	学分
	U08M22066	电路基础 I 实验（英）	1	学分
	U09M12001	自动控制原理II（英）	5.5	学分
	U09M12002	嵌入式系统及应用(英)	4	学分
	U09M12009	工程电磁场(英)	2.5	学分
	U09M22001	自动控制原理II实验（英）	1.5	学分

2) 17.5 学分

	U09M11055	学科前沿系列讲座	1	学分
	U09M12004	电力电子技术(英)	3.5	学分
	U09M12005	电力系统(英)	4	学分
	U09M12007	电力拖动与控制系统(英)	3.5	学分
	U09M12003	电机学(英)	5.5	学分

3) 16.5 学分

	U09M12015	系统可靠性分析与设计(英)	2	学分
	U09M12025	运动控制基础及应用(英)	2	学分
	U09M13006	科技论文写作与文献检索（双）	2	学分
	U09M13007	智能电网技术基础（双）	2	学分
	U09M12006	电气测试技术(英)	2.5	学分
	U09M12008	电气系统仿真(英)	2.5	学分
	U09M12014	可编程控制器技术	2	学分
	U09M12016	现代电源技术(英)	2	学分
	U09M12027	电能质量分析与控制(英)	2	学分
	U09M12030	新能源与混合动力（外教）	1.5	学分

4) 17 学分

	U09P4100 1	认识实习	1	学分	
	U09P4100 2	生产实习	2	学分	
	U09P5100 5	电力电子技术课程 设计	2.5	学分	
	U09P5100 7	电力拖动与控制系统 工程实践	2.5	学分	先修课程：《电力拖动与控制系统》、《电机学》、《自动控制原理》、《模拟电路》、《数字电路》、《电力电子技术》、《工程电磁场》等
	U09P5100 8	嵌入式系统应用实 践	2	学分	
	U09P6100 6	研究训练	2	学分	
	U32P4100 1	金工实习A	2	学分	

U32P41004	电子实习B	2	学分	
U09P61007	工程与研究训练	1	学分	

5) 10 学分

U09P71002	毕业设计/论文	10	学分
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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

专业																		
学科专业	毕业设计 (论文)	U09P71 002	262 毕业设计/论文	10												自动化学院		
学科专业	毕业设计 (论文)	学分小计		10														
学科专业	学分小计			89.5														
全程总计				155	0	0	0	0	0	0	0	0	0					
备注																		

Northwestern Polytechnical University

Academic Program of Undergraduate Education

Major Name	Electrical Engineering(International Class)
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Major code	0910	
Name of school	School of Automation	
Signature by writer of the program		/ / /
Signature by dean of school		/ / /
Signature by director of the Teaching Committee of school		/ / /

Undergraduate Program for Major in Electrical Engineering(International Class)

. Description of major

1952196019702003“”621198520152019“”

. Objectives

. Requirements

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. Length of schooling and degree granted

Length of schooling: 4 years for undergraduates, according to the credit system, the program duration varies from 2019 years to 2023 years.

Degree granted: Bachelor's degree in Engineering

V. Hours/Credits Units

Total credit: 155 credits

Including units:

Comprehensive Practice	65.5 credits	Percentage of total credits:42.3%
	89.5 credits	Percentage of total credits:57.7%

VI. Discipline or major courses 89.5 total credits

155 65.5 89.5 155

1. 89.5 credits

1) 28.5 credits

	U08M12023	Fundamentals of Analog Electronics	4	credits
	U08M12024	Fundamentals of Digital Electronics	4	credits
	U08M12065	Fundamentals of Electric Circuits I	4	credits
	U08M22025	Experiments for Fundamentals of Analog Electronics	1	credits
	U08M22026	Experiments for Fundamentals of Digital Electronics	1	credits
	U08M22066	Experiments for Fundamentals of Electric Circuits I	1	credits
	U09M12001	Principles of Automatic Control(II)	5.5	credits
	U09M12002	Embedded System and Its Application	4	credits
	U09M12009	Engineering Electromagnetics	2.5	credits
	U09M22001	Experiment in Principle of Automatic Control(II)	1.5	credits

2) 17.5 credits

	U09M11055	Lectures on frontier discipline	1	credits
	U09M12004	Power Electronics	3.5	credits

	U09M12005	Power System	4	credits
	U09M12007	Electrical Drive and Control System	3.5	credits
	U09M12003	Electrical Machine	5.5	credits

3) 16.5 credits

	U09M12015	System Reliability Analysis and Design	2	credits
	U09M12025	Fundamental and Application of Motion Control	2	credits
	U09M13006	Scientific Paper Writing and Literature Retrieval	2	credits
	U09M13007	Fundamental of Smart Grid	2	credits
	U09M12006	Electrical Testing System	2.5	credits
	U09M12008	Power System Simulation	2.5	credits
	U09M12014	PLC Technology	2	credits
	U09M12016	Modern Power Supply Technology	2	credits
	U09M12027	Power Quality Analysis and Control	2	credits
	U09M12030	New energy and hybrid	1.5	credits

4) 17 credits

U09P4100 1	Acknowledge Internship	1	credits	
U09P4100 2	Engineering	2	credits	
U09P5100 5	power electronics curriculum design	2.5	credits	
U09P5100 7	Engineering Practice of Electrical Drive & Control System	2.5	credits	先修课程：《电力拖动与控制系统》、《电机学》、《自动控制原理》、《模拟电路》、《数字电路》、《电力电子技术》、《工程电磁场》等
U09P5100 8	Application Practice of Embeded System	2	credits	
U09P6100 6	Research Training	2	credits	
U32P4100 1	Metalworking	2	credits	
U32P4100 4	Electronic Practice	2	credits	
U09P6100 7	Engineering and Research Training	1	credits	

5) 10 credits

	U09P71002	Graduation Design (Thesis)	10	credits
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VII. Course modules and credit distribution 155 total credits

1. 65.5 credits

1) 4.5 credits

	毕业时，学生应通过二十四式太极拳考核；另外4学分体育课从体育课组自选。			
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(1) 0.5 credits

	U31G71072	24-Form TaiChi	0.5	credits
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(2) 4 credits

	U31G71008	Elementary Football Course	1	credits
	U31G71009	Intermediate Football Course	1	credits
	U31G71010	Advanced Football Course	1	credits
	U31G71011	Advanced Football Course 2	1	credits
	U31G71012	Advanced Football Course 3	1	credits
	U31G71013	Elementary Volleyball course	1	credits
	U31G71014	Intermediate Volleyball Course	1	credits
	U31G71015	Advanced Volleyball Course	1	credits
	U31G71016	Elementary Rugby Course	1	credits
	U31G71017	Intermediate Rugby Course	1	credits
	U31G71018	Advanced Rugby Course	1	credits
	U31G71019	Advanced Rugby Course2	1	credits
	U31G71020	Elementary Table Tennis course	1	credits
	U31G71021	Intermediate Table Tennis Course	1	credits
	U31G71022	Advanced Table Tennis course	1	credits
	U31G71023	Advanced Table Tennis course 2	1	credits
	U31G71024	Elementary Badminton Course	1	credits
	U31G71025	Intermediate Badminton Course	1	credits
	U31G71026	Advanced Badminton Course	1	credits
	U31G71027	Advanced Badminton Course 2	1	credits
	U31G71028	Elementary Tennis Course	1	credits
	U31G71029	Intermediate Tennis Course	1	credits
	U31G71030	Advanced Tennis Course	1	credits
	U31G71031	Advanced Tennis Course2	1	credits
	U31G71032	Elementary Swimming Course	1	credits
	U31G71033	Intermediate Swimming Course	1	credits
	U31G71034	Advanced Swimming Course	1	credits
	U31G71035	Advanced Swimming Course 2	1	credits
	U31G71036	Advanced Swimming Course 3	1	credits
	U31G71037	Primary Martial arts	1	credits
	U31G71038	Middle Rank Martial arts	1	credits
	U31G71039	High Rank Martial arts	1	credits
	U31G71040	Elementary Taekwondo Course	1	credits
	U31G71041	Intermediate Taekwondo Course	1	credits
	U31G71042	College Students' Safety-defense Course	1	credits
	U31G71043	Elementary Aerobic Course	1	credits
	U31G71044	Intermediate Aerobic Course	1	credits
	U31G71045	Advanced Aerobic Course	1	credits
	U31G71046	sports dance	1	credits
	U31G71047	sports dance	1	credits
	U31G71048	cheerleading	1	credits
	U31G71049	Sport yoga	1	credits
	U31G71050	Man's Bodybuilding Course	1	credits
	U31G71051	Sports and rehabilitation care	1	credits
	U31G71052	Exercise and Joint Health	1	credits
	U31G71053	Exercise and Prevention and treatment Of chronic Diseases	1	credits
	U31G71054	Exercise and Health maintenance	1	credits
	U31G71055	Flying class sports (part1)	0.5	credits

	U31G71056	Flying class sports (part2)	0.5	credits
	U31G71059	Elementary Basketball Course	1	credits
	U31G71060	Intermediate Basketball Course	1	credits
	U31G71061	Advanced Basketball Course	1	credits
	U31G71062	Advanced Basketball Course 2	1	credits
	U31G71063	Advanced Basketball Course 3	1	credits
	U31G71072	24-Form TaiChi	0.5	credits
	U31G71073	Elementary Basketball	1	credits
	U31G71074	Elementary Volleyball	1	credits
	U31G71075	Elementary Football	1	credits
	U31G71076	Elementary Rugby	1	credits
	U31G71077	Elementary Table Tennis Course	1	credits
	U31G71078	Elementary Badminton	1	credits
	U31G71079	Elementary Tennis	1	credits
	U31G71080	Elementary Swimming	1	credits
	U31G71081	Elementary Wushu Course	1	credits
	U31G71082	Elementary Taekwondo	1	credits
	U31G71083	College Students' Safety-defense	1	credits
	U31G71084	Man's Bodybuilding	1	credits
	U31G71085	Elementary Sports Dance	1	credits
	U31G71086	Elementary Aerobic	1	credits
	U31G71087	Cheer Leading	1	credits
	U31G71088	Fitness yoga	1	credits
	U31G71089	Basic Physical Fitness	1	credits
	U31G71100	Basic Course of Physical Education and Health (part1)	0.5	credits
	U31G71101	Physical education and health basic course (part2)	0.5	credits
	U34G11004	Mental Health Education of College Students	2	credits

2) 19 credits

	U26G12002	Chinese Culture 1	2	credits
	U26G11001	Chinese Language 1	3.5	credits
	U26G11003	Chinese Language 2	4	credits
	U26G11005	Chinese Language 3	3.5	credits
	U26G11006	Chinese Language 4	4	credits
	U26G12004	Chinese Culture 2	2	credits

3) 37 credits

	U05M12027	Mechanical Mapping	3	credits
	U11G12035	Calculus (1)	4	credits
	U11G12036	Calculus (2)	4	credits
	U11G12037	Calculus (3)	4	credits
	U11G12038	Linear algebra	3	credits
	U11G12039	Computing Method	2.5	credits
	U11G12040	Probability Theory and Mathematical Statistics	3.5	credits
	U11G12041	Complex Function and Integral Transformation	2.5	credits
	U11G28063	College Physics Experiment IV(1) (International)	1.5	credits
	U11G28064	College Physics Experiment IV(2) (International)	1.5	credits
	U11G42049	College Physics IV(2) (International)	3.5	credits
	U11G43048	College Physics IV(1) (International)	4	credits

4) 5 credits

	U10G12030	Programming in C (English I)	3	credits
	U10G22031	C Programming Experiment (English I)	2	credits

2. 89.5 credits

1) 28.5 credits

	U08M12023	Fundamentals of Analog Electronics	4	credits
	U08M12024	Fundamentals of Digital Electronics	4	credits
	U08M12065	Fundamentals of Electric Circuits I	4	credits
	U08M22025	Experiments for Fundamentals of Analog Electronics	1	credits
	U08M22026	Experiments for Fundamentals of Digital Electronics	1	credits
	U08M22066	Experiments for Fundamentals of Electric Circuits I	1	credits
	U09M12001	Principles of Automatic Control(II)	5.5	credits
	U09M12002	Embedded System and Its Application	4	credits
	U09M12009	Engineering Electromagnetics	2.5	credits
	U09M22001	Experiment in Principle of Automatic Control(II)	1.5	credits

2) 17.5 credits

	U09M11055	Lectures on frontier discipline	1	credits
	U09M12004	Power Electronics	3.5	credits
	U09M12005	Power System	4	credits
	U09M12007	Electrical Drive and Control System	3.5	credits
	U09M12003	Electrical Machine	5.5	credits

3) 16.5 credits

	U09M12015	System Reliability Analysis and Design	2	credits
	U09M12025	Fundamental and Application of Motion Control	2	credits
	U09M13006	Scientific Paper Writing and Literature Retrieval	2	credits
	U09M13007	Fundamental of Smart Grid	2	credits
	U09M12006	Electrical Testing System	2.5	credits
	U09M12008	Power System Simulation	2.5	credits
	U09M12014	PLC Technology	2	credits
	U09M12016	Modern Power Supply Technology	2	credits
	U09M12027	Power Quality Analysis and Control	2	credits
	U09M12030	New energy and hybrid	1.5	credits

4) 17 credits

	U09P4100 1	Acknowledge Internship	1	cre dits	
	U09P4100 2	Engineering	2	cre dits	
	U09P5100 5	power electronics curriculum design	2.5	cre dits	
	U09P5100 7	Engineering Practice of Electrical Drive & Control System	2.5	cre dits	先修课程：《电力拖动与控制系统》、《电机学》、《自动控制原理》、《模拟电路》、《数字电路》、《电力电子技术》、《工程电磁场》等
	U09P5100 8	Application Practice of Embeded System	2	cre dits	
	U09P6100	Research Training	2	cre	

6			credits	
U32P41001	Metalworking	2	credits	
U32P41004	Electronic Practice	2	credits	
U09P61007	Engineering and Research Training	1	credits	

5) 10 credits

U09P71002	Graduation Design (Thesis)	10	credits
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VIII. Diagram for logical relations among courses

VIII. Diagram for structure relations among courses

sort	Course Code	Course Name	Credit	Distribution By Credit Of Semester								Department	Remark
				1	2	3	4	5	6	7	8		
C o m p r e h e n s i v e P r a c t i c e	体育与健康类必修 U31G71072	263 24-Form TaiChi	0.5									Department of Physical Education	
C o m p r e h e n s i v e P r a c t i c e	体育与健康类必修	Credit Subtotal	0.5										
C o m p r e h e n s i v e	体育与健康类选修 U31G71101	264 Physical education and health basic course (part2)	0.5									Department of Physical Education	

e P r a c t i c e C o m p r e h e n s i v e P r a c t i c e C o m p r e h e n s i v e P r a c t i c e C o m p r e h e n s i v e P r a c t i c e C o m p r e h e n s i v e P r a c t i c e																
	体育与健康类 选修	U31G71008	265 Elementary Football Course	1											Department of Physical Education	
	体育与健康类 选修	U31G71009	266 Intermediate Football Course	1											Department of Physical Education	
	体育与健康类 选修	U31G71010	267 Advanced Football Course	1											Department of Physical Education	
	体育与健康类 选修	U31G71011	268 Advanced Football Course 2	1											Department of Physical Education	

e C o m p r e h e n s i v e P r a c t i c e	体 育 与 健 康 类	选 修	U31G71012	269 Advanced Football Course 3	1											Department of Physical Education	
	体 育 与 健 康 类	选 修	U31G71013	270 Elementary Volleyball course	1											Department of Physical Education	
	体 育 与 健 康 类	选 修	U31G71014	271 Intermediate Volleyball Course	1											Department of Physical Education	
	体 育 与 健 康 类	选 修	U31G71015	272 Advanced Volleyball Course	1											Department of Physical Education	
	体 育 与 健 康 类	选 修	U31G71016	273 Elementary Rugby Course	1											Department of Physical Education	

[illegible]

[illegible]

ic e C o m p r e h e n s i v e P r a c t i c e	体 育 与 健 康	选 修	U31G71025	282 Intermediate Badminton Course	1												Department of Physical Education	
	体 育 与 健 康	选 修	U31G71026	283 Advanced Badminton Course	1												Department of Physical Education	
	体 育 与 健 康	选 修	U31G71027	284 Advanced Badminton Course 2	1												Department of Physical Education	
	体 育 与 健 康	选 修	U31G71028	285 Elementary Tennis Course	1												Department of Physical Education	
	体 育 与 健 康	选 修	U31G71029	286 Intermediate Tennis Course	1												Department of Physical Education	

[illegible]

[illegible]

[illegible]

m p r e h e n s i v e P r a c t i c e	与 健康 类		defense Course												Education	
C o m p r e h e n s i v e P r a c t i c e	体 育 与 选 修	U31G71043	300 Elementary Aerobic Course	1											Department of Physical Education	
C o m p r e h e n s i v e P r a c t i c e	体 育 与 选 修	U31G71044	301 Intermediate Aerobic Course	1											Department of Physical Education	
C o m p r e h e n s i v e P r a c t i c e	体 育 与 选 修	U31G71045	302 Advanced Aerobic Course	1											Department of Physical Education	
C o m p r e h e n s i v e P r a c t i c e	体 育 与 选 修	U31G71046	303 sports dance	1											Department of Physical Education	

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o m p r e h e n s i v e p r a c t i c e	育与健康类		Basketball Course												of Physical Education	
C o m p r e h e n s i v e p r a c t i c e	体育与选修健康类	U31G71060	313 Intermediate Basketball Course	1											Department of Physical Education	
C o m p r e h e n s i v e p r a c t i c e	体育与选修健康类	U31G71061	314 Advanced Basketball Course	1											Department of Physical Education	
C o m p r e h e n s i v e p r a c t i c e	体育与选修健康类	U31G71062	315 Advanced Basketball Course 2	1											Department of Physical Education	
C o m p r e h e n s i v e p r a c t i c e	体育与选修健康类	U31G71063	316 Advanced Basketball Course 3	1											Department of Physical Education	

e n s i v e p r a c t i c e C o m p r e h e n s i v e p r a c t i c e C o m p r e h e n s i v e p r a c t i c e C o m p r e h e n s i v e p r a c t i c e C o m p r e h e n s i v e	体育与健康类选修	U31G71072	317 24-Form TaiChi	0.5											Department of Physical Education		
	体育与健康类选修	U31G71073	318 Elementary Basketball	1												Department of Physical Education	
	体育与健康类选修	U31G71074	319 Elementrary Volleyball	1												Department of Physical Education	
	体育与健康类选修	U31G71075	320 Elementary Football	1												Department of Physical Education	

P r a c t i c e																	
C o m p r e h e n s i v e P r a c t i c e	体育与健康类选修课	U31G71076	321 Elementary Rugby	1											Department of Physical Education		
C o m p r e h e n s i v e P r a c t i c e	体育与健康类选修课	U31G71077	322 Elementary Table Tennis Course	1											Department of Physical Education		
C o m p r e h e n s i v e P r a c t i c e	体育与健康类选修课	U31G71078	323 Elementary Badmintion	1											Department of Physical Education		
C o m p r e h e n s i v e P r a c t i c e	体育与健康类选修课	U31G71079	324 Elementary Tennis	1											Department of Physical Education		

C o m p r e h e n s i v e P r a c t i c e	体育与健康类选修	U31G71080	325 Elementary Swimming	1												Department of Physical Education	
C o m p r e h e n s i v e P r a c t i c e	体育与健康类选修	U31G71081	326 Elementary Wushu Course	1												Department of Physical Education	
C o m p r e h e n s i v e P r a c t i c e	体育与健康类选修	U31G71082	327 Elementary Taekwondo	1												Department of Physical Education	
C o m p r e h e n s i v e P r a c t i c e	体育与健康类选修	U31G71083	328 College Students' Safety-defense	1												Department of Physical Education	
C o m p r e h e n s i v e P r a c t i c e	体育与健康类选修	U31G71084	329 Man's Bodybuilding	1												Department of Physical Education	

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C o m p r e h e n s i v e p r a c t i c e	语言类	U26G12004	341 Chinese Culture 2	2											International College	
C o m p r e h e n s i v e p r a c t i c e	语言类	U26G11001	342 Chinese Language 1	3.5											International College	
C o m p r e h e n s i v e p r a c t i c e	语言类	U26G11005	343 Chinese Language 3	3.5											International College	
C o m p r e h e n s i v e p r a c t i c e	语言类	U26G12002	344 Chinese Culture 1	2											International College	

ve p ra ct ic e																
C o m p r e h e n s i v e p ra ct ic e	语言类	Credit Subtotal	19													
C o m p r e h e n s i v e p ra ct ic e	数学与自然科学类	U11G12036 345 Calculus (2)	4										School of Natural and Applied Sciences			
C o m p r e h e n s i v e p ra ct ic e	数学与自然科学类	U11G12038 346 Linear algebra	3										School of Natural and Applied Sciences			
C o m p r e h e n s i v e p ra ct ic	数学与自然科学类	U11G12039 347 Computing Method	2.5										School of Natural and Applied Sciences			

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r	数学与自然科学类	U11G12041	348 Complex Function and Integral Transformation	2.5										School of Natural and Applied Sciences	
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r	数学与自然科学类	U11G28063	349 College Physics Experiment IV(1) (International)	1.5										School of Natural and Applied Sciences	
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r	数学与自然科学类	U11G43048	350 College Physics IV(1) (International)	4										School of Natural and Applied Sciences	
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r	数学与自然科学类	U05M12027	351 Mechanical Mapping	3										School of Mechanical Engineering	
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C	数学与	U11G12035	352 Calculus (1)	4										School of Natural and Applied	

p r e h e n s i v e p r a c t i c e	自然科学类														Sciences	
C o m p r e h e n s i v e p r a c t i c e	数学与自然科学类	U11G12037	353 Calculus (3)	4											School of Natural and Applied Sciences	
C o m p r e h e n s i v e p r a c t i c e	数学与自然科学类	U11G12040	354 Probability Theory and Mathematical Statistics	3.5											School of Natural and Applied Sciences	
C o m p r e h e n s i v e p r a c t i c e	数学与自然科学类	U11G28064	355 College Physics Experiment IV(2) (International)	1.5											School of Natural and Applied Sciences	
C o m p r e h e n s i v e p r a c t i c e	数学与自然科学类	U11G42049	356 College Physics IV(2) (International)	3.5											School of Natural and Applied Sciences	

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Practice																	
	Credit Subtotal		65.5														
学科基础课程	U08M12024	359 Fundamentals of Digital Electronics	4											School of Electronics and Information			
学科基础课程	U08M12065	360 Fundamentals of Electric Circuits I	4											School of Electronics and Information			
学科基础课程	U08M22026	361 Experiments for Fundamentals of Digital Electronics	1											School of Electronics and Information			
学科基础课程	U08M22066	362 Experiments for Fundamentals of Electric Circuits I	1											School of Electronics and Information			
学科基础课程	U09M12001	363 Principles of Automatic Control(II)	5.5											School of Automation			
学科基础课程	U09M12002	364 Embedded System and Its Application	4											School of Automation			
学科基础课程	U09M12009	365 Engineering Electromagnetics	2.5											School of Automation			
学科基础课程	U09M22001	366 Experiment in Principle of Automatic Control(II)	1.5											School of Automation			
学学	U08M12023	367 Fundamentals	4											School of			

科 基 础 课 程		of Analog Electronics													Electronics and Information	
学 科 基 础 课 程	U08M22025	368 Experiments for Fundamentals of Analog Electronics	1												School of Electronics and Information	
学 科 基 础 课 程	Credit Subtotal		28.5													
专 业 学 科 方 向 课 程	U09M11055	369 Lectures on frontier discipline	1												School of Automation	
专 业 学 科 方 向 课 程	U09M12003	370 Electrical Machine	5.5												School of Automation	
专 业 学 科 方 向 课 程	U09M12004	371 Power Electronics	3.5												School of Automation	
专 业 学 科 方 向 课 程	U09M12005	372 Power System	4												School of Automation	
专 业 学 科 方 向 课 程	U09M12007	373 Electrical Drive and Control System	3.5												School of Automation	
专 业 学 科 方 向 课 程	Credit Subtotal		17.5													
专 业 学 科 选 修 课 程	U09M12006	374 Electrical Testing System	2.5												School of Automation	
专 业 学 科 选 修 课 程	U09M12008	375 Power System Simulation	2.5												School of Automation	
学 专 业	U09M12014	376 PLC Technology	2												School of Automation	

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业训														
学实 科践 专实 业训	U09P51005	388 power electronics curriculum design	2.5										School of Automation	
学实 科践 专实 业训	U09P61006	389 Research Training	2										School of Automation	
学实 科践 专实 业训	U09P51007	390 Engineering Practice of Electrical Drive & Control System	2.5										School of Automation	
学实 科践 专实 业训	U09P51008	391 Application Practice of Embeded System	2										School of Automation	
学实 科践 专实 业训	U32P41001	392 Metalworking	2										Training Center for Engineering Practices	
学实 科践 专实 业训	Credit Subtotal		17											
毕 业 学 科 专 业 设计（ 论文）	U09P71002	393 Graduation Design (Thesis)	10										School of Automation	
毕 业 学 科 专 业 设计（ 论文）	Credit Subtotal		10											
学 科 专 业	Credit Subtotal		89.5											
Totle			155	0	0	0	0	0	0	0	0			
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