电子科技大学 本科教学管理系统

2021年09月06日 星期一　　本科 学生 李思进(2021270901014)　中文 ▼　切换　　　　　退出

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未提交 生效日期： 2021-09-01 失效日期： 2025-09-01 最后修改时间： 2021-04-27 13:30:55

英才实验学院 电子信息类（"成电英才计划"拔尖创新人才实验班）专业 本科 培养方案 (2021)

一.专业代码与名称

专业代码： 0807
专业名称： 电子信息类 Electronic and Information Science

二.学制与学位

修业年限： 四年
授予学位： 工学学士 Bachelor of Engineering

三.培养目标与要求

依托学校的优质教学与学术资源，强化数理基础，尊重个体差异，突出知识综合集成与学科交叉，按照电子信息大类实行优秀本科生和研究生贯通培养，为电子信息类等学科培养具有深厚数理基础的拔尖创新精英人才。

四.培养特色

前二年不分专业，按照电子信息大类培养，集中学习数理基础课、核心通识课、电子信息大类基础课。第三年，根据学生意愿任选专业，进入科研课题组，在导师指导下完成专业学习，并与研究生培养衔接。主要特色包括：
1. 本硕贯通： 若未分流，毕业生全部具备优先推免攻读（硕士、博士）研究生资格。
2. 任选专业和研究方向： 学生可以根据意愿任选专业和科学研究方向，在导师的指导下进行专业学习和科研训练。
3. 个性发展： 根据学生的个体情况制定一对一的个性化培养方案。
4. 一流师资： 学院聘请国家级教学名师、长江学者、首席教师等校内外优秀教授为学生授课，并实行研究型教学。
5. 工程与科研训练： 学生自一年级开始持续接受三学期的工程实践创新训练，从二年级开始接受连续三学年的科学研究训练。

五.课程设置与修读要求

课程类别 Course Types		课程代码 Course Code	课程名称 Course Name	学分 Credits	学时 Credit Hours			开课学期 Semester	修读要求 Attending Requirements
					理论Theory	实验实践	合计 Total		
公共必修课 Common Compulsory Courses	思想政治理论课 Ideological and Political Theory Courses	M1800330	思想道德与法治Ideology and morality and the rule of law	3			48	1	必修 Compulsory
		B1801030	中国近现代史纲要The Summary of Chinese Modern History	3			48	2	
		B1800650	毛泽东思想和中国特色社会主义理论体系概论The Outline of Mao Tse-tung Thought and Socialist Theoretical System with Chinese Characteristics	5			80	5,6	
		M1800430	马克思主义基本原理Basic principles of Marxism	3			54	5,6	
		M1800220	形势与政策Situation and Policies	2			32	*	
			学分要求 Credit Requirements	16					
	军事理论、体育Military	M9800120	军事理论Military Theory	2			36	1	必修 Compulsory
		B2000510	大学生体质测试College-student Physique Test	1			2	8	

课程类别 Course Types			课程代码 Course Code	课程名称 Course Name	学分 Credits	学时 Credit Hours			开课学期 Semester	修读要求 Attending Requirements
						理论Theory	实验实践	合计 Total		
Theory, Physical Education 理论Types Education				大学体育Ⅰ Physical Education Ⅰ	1					
				大学体育Ⅱ Physical Education Ⅱ	1					
				大学体育Ⅲ Physical Education Ⅲ	1					
				大学体育Ⅳ Physical Education Ⅳ	1					
				学分要求 Credit Requirements	7					
	外语Foreign Language		B2702130	通用英语General English	3			48	1	必修 Compulsory
			M2700120	学术英语文献阅读English For Academic Reading	2			32	3	
			B2705120	学术英语写作与交流English For Academic Writing and Communication	2			32	4	
				学分要求 Credit Requirements	7					
				学分要求 Credit Requirements	30					19.11%
通识教育课程 General Education Courses			A1511420	营销管理：互联网思维与应用Marketing Management:Internet Thinking and its Application	2			32	4	见《电子科技大学通识课程一览表》，要求13学分。
			C2700220	管理与领导学Study of Management and Leadership	2			32	4	
			M1700520	留学学业英语（雅思方向）English for Overseas Academic Study（IELTS）	2			32	4	
			M1700920	留学学业英语（托福方向）English for Overseas Academic Study（TOEFL）	2			32	4	
	核心通识课程 Core General Courses	核心通识课程（组一）Core General Courses(Group 1)	A7300110	成电讲坛（二）Lecture of UESTC Ⅱ	1			16	0	点击左侧链接查看课程并从对应列表课程中限选
			A7301820	儒学与中国文化Confucianism and Chinese culture	2			32	0	
			A7304010	成电讲坛（一）Lecture of UESTC	1			6	0	
			A7302210	人类文明经典赏析Appreciation of Human Civilization	1			16	12	
		核心通识课程-文史哲学与文化传承Liberal arts and Culture	A1600220	中国古典文学著作选读Selected readings in classical literature Chinese	2			32	234	
			A1600420	自然文学三部曲与环境伦理学The Trilogy of Natural Writing and Environmental Ethics	2			32	234	
			A1615020	中外文学通论The Chinese and foreign literature theory	2			32	234	
			A1702120	中西文化比较与交流Comparison and Communication between Chinese and Western Cultures	2			32	234	
			A1702220	外国经典文学著作选读Selected Readings of Western Classical Literature	2			32	234	
			A1736220	世界文明史A history of civilizations	2			32	234	
			A1736320	中华文明史History of Chinese Civilization	2			32	234	
			A1736420	中国哲学经典著作选读Selected Reading of Chinese Classics	2			32	234	
			A1736520	西方哲学经典著作选读Classic selected readings in western philosophy	2			32	234	
			A1736620	文化与思维Culture and Thinking	2			32	234	
			A1800520	哲学导论An introduction to Philosophy	2			32	234	
			A1800620	逻辑与批判性思维Logic and Critical Thinking	2			32	234	
			A1801320	大国兴衰史The Rise and Fall of Great Countries	2			32	234	
		核心通识课	A9700120	心理健康与创新能力Mental health and the ability of innovation	2			32	0	点击左侧链接查看课程并从对应列表课程中限选

课程类别 Course Types		程 Course	课程代码 Course Code	课程名称 Course Name	学分 Credits	学时 Credit Hours			开课学期 Semester	修读要求 Attending Requirements
						理论Theory	实验实践	合计 Total		
		程-社会科学与行为科学 Social and Behavioral Science	A9700220	心理健康与创新能力mental health and the ability of innovation	2			32	12	
			A0800120	学术规范与论文写作Academic Norms and Paper Writing	2			32	234	
			A1300110	大学生心理危机干预Psychological crisis intervention of college students	1			16	234	
			A1511520	经济学概论Introduction to Economics	2			32	234	
			A1600120	人类发展与环境变迁Human Development and Environmental Changes	2			32	234	
			A1600320	心理学漫谈Introduction to Psychology	2			32	234	
			A1600520	生活中的罪与罚Crime and Punishment in Life	2			32	234	
			A1600620	商业世界中的法律The Law in the Commercial World	2			32	234	
			A1600710	版权制度的历史演进The Historical Evolution of Copyright System	1			16	234	
			A1600820	生活中的刑法Criminal law in life	2			32	234	
			A1600920	数据法学前沿The Forefront Issue of Data Law	2			32	234	
			A1601020	网络安全法导论Cybersecurity Law Introduction	2			32	234	
			A1610820	法律与社会Law and Society	2			32	234	
			A1611520	管理方法与艺术the art and approach of management	2			32	234	
			A1611620	社会学概论introduction to sociology	2			32	234	
	核心通识课	程-艺术鉴赏与审美体验 Art Appreciation	A9900110	成电舞台Stage of UESTC	1			6	0	点击左侧链接查看课程并从对应列表课程中限选
			A9904920	音乐鉴赏Music Appreciation	2			32	234	
			A9905020	艺术导论An introduction to art	2			32	234	
			A9905120	戏剧鉴赏Drama Appreciation	2			32	234	
			A9905220	电影鉴赏Drama Appreciation	2			32	234	
			A9905320	美术鉴赏Appreciation of Painting	2			32	234	
			A9905420	舞蹈鉴赏Dancing Appreciation	2			32	234	
	核心通识课	程-创新创业教育 Innovation and Entrepreneurship	A0421220	成电英才创课Excellence innovative class of UESTC	2			32	234	点击左侧链接查看课程并从对应列表课程中限选
			A0609620	问题驱动的创新与创业Problem-driven Innovation and Entrepreneurship	2			32	234	
			A1410610	突破创新的禁区Breakthrough Innovation restricted area	1			16	234	
			A1500120	领导力与管理思维创新Leadership and Management Thinking Innovation	2			32	234	
			A1500220	供应链管理Supply Chain Management	2			32	234	
			A1500320	商业伦理与企业社会创新Business Ethics and Corporate Social Innovation	2			32	234	
			A1500410	产品经理思维Thinking of Product Manager	1			16	234	
			A1500520	服务管理Service Management	2			32	234	

课程类别 Course Types		Education	课程代码 Course Code	课程名称 Course Name	学分 Credits	学时 Credit Hours			开课学期 Semester	修读要求 Attending Requirements
						理论Theory	实验实践	合计 Total		
			A1511620	创业管理Entrepreneurship	2			32	234	
			A1511820	知识产权管理Intellectual Property Management	2			32	234	
			A1514120	风险投资与创业融资Venture Capital and the Financing of Entrepreneurship	2			32	234	
			A1514220	技术与创业管理Management of Technology and Entrepreneurship	2			32	234	
			A1514320	创业过程模拟与实训Entrepreneurial Process Simulation and Practice	2			32	234	
			A1613410	大学生创业法律风险防范Risk-Prevention of College Students' Entrepreneurship	1			16	234	
			A1613520	科技变革与创新创业——IT企业兴衰史Technological change, innovation and entrepreneurship	2			32	234	
			A1623120	大学生创业法律风险防范Risk-Prevention of College Students' Entrepreneurship	2			32	234	
				学分要求 Credit Requirements	4					
核心通识课程（组二）Core General Courses(Group 2)	核心通识课程-自然科学与数学Natural Science and Mathematics		A1406020	跨界论道：科学走进人文Logos Cross Disciplines: humanities viewed from Sciences	2			32	0	点击左侧链接查看课程并从对应列表课程中限选
			A7300210	科学本性与人文精神Scientific nature and the humanistic spirit	1			16	0	
			A0100720	人工智能及其应用Artificial Intelligence: Principles and Applications	2			32	234	
			A0110520	信息科技与社会发展Information Science & Technology and World Progress	2			32	234	
			A0316320	化学与人类Chemistry And Humankind	2			32	234	
			A0600120	漫谈人工智能Introduction to AI	2			32	234	
			A0708420	全球化时代的环境问题Environmental Problem in Globalization Era	2			32	234	
			A0800215	走近人工智能Introduction to Artificial Inteligence	1.5			24	234	
			A0900130	人工智能时代Artificial Intelligence Era	3			48	234	
			A1100920	数学文化Mathematical Culture	2			32	234	
			A1200120	物理学与社会进步Physics and social progress	2			32	234	
			A1410320	生命科学导论Introduction of Life Science	2			32	234	
			A1800720	科学技术史The history of science and technology	2			32	234	
			A7301720	科学本性与人文精神Scientific nature and the humanistic spirit	2			32	234	
	核心通识课程-工程教育与实践创新Engineering Educ		A0100610	工程伦理与社会责任Engineering Ethics and Social Responsibility	1			16	234	点击左侧链接查看课程并从对应列表课程中限选
			A0110620	电子工程设计之微处理器最小系统设计Electronic Engineering Design--Microprocessor Minmum-system Design	2			32	234	
			A0209620	电子工程设计之电子电路设计基础Electronic Engineering Design--Basis of Electronic Circuit Design	2			32	234	
			A0209720	电子工程设计之高频电路设计与工程制作Electronic Engineering Design--High Frequency Circuit Design and Production	2			32	234	
			A0400220	工业产品设计概论Introduction to product design	2			32	234	

课程类别 Course Types		atioh and Practice	课程代码 Course Code	课程名称 Course Name	学分 Credits	学时 Credit Hours			开课学期 Semester	修读要求 Attending Requirements
						理论 Theory	实验实践	合计 Total		
			A0419420	工程设计Engineering Design	2			32	234	
			A0419520	机器人设计与制作Robot Design and Make	2			32	234	
			A0602320	电子工程设计之电子系统专题设计与制作Design and fabrication of electronic systems for electronic engineering design	2			32	234	
			A0814720	计算机算法与程序设计Computer Algorithm and Program	2			32	234	
			A0814820	工程导论Introduction to Engineering	2			32	234	
			A1000120	系统思维与工程创新System Thinking & Engineering Innovation	2			32	234	
			A1000210	工程概介Engineering Fundamentals: An Introduction to Engineering	1			16	234	
			A1000310	系统思维与工程创新System Thinking & Engineering Innovation	1			16	234	
			A1111520	ACM-ICPC 算法与程序设计ACM-ICPC Algorithm and Program Design	2			32	234	
			A1111620	漫话数学建模Mathematical Modeling	2			32	234	
			A1511720	工程管理Engineering Management	2			32	234	
				学分要求 Credit Requirements	2					
				学分要求 Credit Requirements	5					
	新生研讨课程 Freshman Seminar		F2701910	电子信息科学与技术导引（新生研讨课）Introduction to Electronic Science and Technology（Freshman Seminar）	1			16	1,2	
			U2700110	人工智能导论（新生研讨课）Introduction to Artificial Intelligence	1			16	1,2	
			N2700110	探寻信息奥秘（新生项目课程）Exploring Information Mystery（PBLF）	1			16	2	
				学分要求 Credit Requirements	2					
				学分要求 Credit Requirements	13					8.28%
学科基础课 Basic Disciplinary Courses	数学与自然科学基础课Maths and Natural Science Foundation Courses		D2700160	数学分析I（含常微分方程）Mathematical Analysis (including Ordinary Differential Equations)I	6			96	1	必修 Compulsory 生物信息科学导论（含实验）或 脑信息科学导论（含实验） 2选1
			D2700350	线性代数与空间解析几何Linear Algebra and Space Analytical Geometry	5			80	1	
			D2702420	大学化学University Chemistry	2			32	2	
			D2704960	数学分析II（含常微分方程）Mathematical Analysis (including Ordinary Differential Equations)II	6			96	2	
			P2700140	大学物理IUniversity Physics I	4			64	2	
			S1214710	大学物理实验IPhysical Experiment I	1			20	2	
			D2700650	随机数学（含概率论、数理统计、随机过程）Random Mathematics	5			80	3	
			P2700340	大学物理IIUniversity Physics II	4			64	3	
			S1214810	大学物理实验IIPhysical Experiment II	1			20	3	
			D2702520	生物信息科学导论Introduction to Bioinformatics	2			32	4	
			D2702720	脑信息科学导论Introduction to Brainformatics	2			32	4	
				学分要求 Credit Requirements	36					
	学院要求		D2700930	程序设计基础Programming Design Methods	3			48	1	必修 Compulsory

课程类别 School Types	Course	课程代码 Course Code	课程名称 Course Name	学分 Credits	学时 Credit Hours			开课学期 Semester	修读要求 Attending Requirements
					理论 Theory	实验实践	合计 Total		
Required Courses		P2700740	电子电路基础（挑战性课程）Foundations of Circuits and Electronics illustrated(H)	4			64	2	
		S2700120	电子电路实验Experiment of Electronic Circuit	2			32	2	
		P2701145	信号与系统Signal and System	4.5			72	3	
		E2704460	数字逻辑与微处理器系统设计（挑战性课程）Digital Design and MCU System（H）	6			96	4	
	学院要求课（限选）	D2700430	离散数学Discrete Mathematics	3			48	3	四选二，鼓励学生多修，其他专业有可替代课程，参见专业的指导性修读说明。
		P2701230	固体物理Solid-State Physics	3			48	3	
		P2701330	数据结构与算法（挑战性课程）Data Structure and Algorithm(H)	3			48	3	
		P2700230	电磁场与波Electromagnetic Fields and Waves	3			48	4	
		P2700430	计算机网络Computer Networks	3			48	4	
	专业方向限选课			0					其他专业的限选课，可参见专业的指导性修读说明
	学分要求 Credit Requirements			6					
	学分要求 Credit Requirements			25.5					
学分要求 Credit Requirements				61.5					39.17%
专业教育课Specialized Education Courses				20					学生三、四年级任选理工科专业学习，建议按所选专业成组选修专业教育课，参见专业的指导性修读说明。
集中实践教学 Collective Pratical Courses		S9800120	军事训练Military Training	2			112	1	
		L2703420	工程实践创新项目I（挑战性课程）Project-1 on Electronic Engineering(H)	2			32	2	必修 Compulsory
		S2705710	工程实践创新项目II（挑战性课程）Engineering practice innovation project II(H)	1			20	3	
		S2700220	基础科研训练IBasic Academic Training I	2			32	3,4	
		L2702620	工程实践创新项目III（挑战性课程）Engineering Practice and Innovation Project III(H)	2			32	4	
		S2700320	基础科研训练IIBasic Academic Training II	2			32	5,6	
		L2705520	综合科研训练Integrated Academic Training	2			32	7,8	
		L2705460	毕业设计Undergraduate Thesis	6			96	8	
	实验课程			4					专业类综合性实验选修，参见专业的指导性修读说明，可用含挑战性实验的专业课替换
	学分要求 Credit Requirements			23					14.65%
多元化教育课Diversified Personalized Courses				9.5					学生可根据个人兴趣跨学科任意选修课程（可选修部分研究生课程）
毕业学分要求 Graduation Credit Requirements				157					

指导性教学进程安排

公共必修课Common Compulsory Courses	军事理论、体育Military Theory, Physical Education	大学体育ⅠPhysical Education Ⅰ		
		大学体育ⅡPhysical Education Ⅱ		
		大学体育ⅢPhysical Education Ⅲ		
		大学体育ⅣPhysical Education Ⅳ		
通识教育课General Education Courses	核心通识课程Core General Courses	核心通识课程（组一）Core General Courses(Group 1)	核心通识课程-文史哲学与文化传承Liberal arts and Culture	点击左侧链接查看课程并从对应列表课程中限选
			核心通识课程-社会科学与行为科学Social and Behavioral Science	点击左侧链接查看课程并从对应列表课程中限选
			核心通识课程-艺术鉴赏与审美体验Art Appreciation	点击左侧链接查看课程并从对应列表课程中限选
			核心通识课程-创新创业教育Innovation and Entrepreneurship Education	点击左侧链接查看课程并从对应列表课程中限选
		核心通识课程（组二）Core General Courses(Group 2)	核心通识课程-自然科学与数学Natural Science and Mathematics	点击左侧链接查看课程并从对应列表课程中限选
			核心通识课程-工程教育与实践创新Engineering Education and Practice	点击左侧链接查看课程并从对应列表课程中限选
学科基础课Basic Disciplinary Courses	数学与自然科学基础课Maths and Natural Science Foundation Courses		必修 Compulsory 生物信息科学导论（含实验）或 脑信息科学导论（含实验） 2选1	
	学院要求课School Required Courses	学院要求课（限选）	专业方向限选课	其他专业的限选课，可参见专业的指导性修读说明
专业教育课Specialized Education Courses			学生三、四年级任选理工科专业学习，建议按所选专业成组选修专业教育课，参见专业的指导性修读说明。	
集中实践教学Collective Pratical Courses	实验课程		专业类综合性实验选修，参见专业的指导性修读说明,可用含挑战性实验的专业课替换	
多元化教育课Diversified Personalized Courses			学生可根据个人兴趣跨学科任意选修课程（可选修部分研究生课程）	

第1学期   Semester 1

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
M1800330	思想道德与法治Ideology and morality and the rule of law	3	0	必修 Compulsory
M1800220	形势与政策Situation and Policies	2	0	
M9800120	军事理论Military Theory	2	0	必修
B2702130	通用英语General English	3	0	必修 Compulsory
A7302210	人类文明经典赏析Appreciation of Human Civilization	1	0	必修
A9700220	心理健康与创新能力mental health and the ability of innovation	2	0	19级起必修
F2701910	电子信息科学与技术导引（新生研讨课）Introduction to Electronic Science and Technology（Freshman Seminar）	1	0	限选
U2700110	人工智能导论（新生研讨课）Introduction to Artificial Intelligence	1	0	限选
D2700160	数学分析I（含常微分方程）Mathematical Analysis (including Ordinary Differential Equations)I	6	0	必修 Compulsory
D2700350	线性代数与空间解析几何Linear Algebra and Space Analytical Geometry	5	0	必修 Compulsory

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
D2700930	程序设计基础Programming Design Methods	3	0	必修 Compulsory
S9800120	军事训练Military Training	2	0	必修
必修学分Required Course Credits		29		
建议选修学分Recommended Elective Course Credits		12		

第2学期　　Semester　2

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
B1801030	中国近现代史纲要The Summary of Chinese Modern History	3	0	必修 Compulsory
M1800220	形势与政策Situation and Policies	2	0	
A7302210	人类文明经典赏析Appreciation of Human Civilization	1	0	必修
A1600220	中国古典文学著作选读Selected readings in classical literature Chinese	2	0	
A1600420	自然文学三部曲与环境伦理学The Trilogy of Natural Writing and Environmental Ethics	2	0	
A1615020	中外文学通论The Chinese and foreign literature theory	2	0	
A1702120	中西文化比较与交流Comparison and Communication between Chinese and Western Cultures	2	0	
A1702220	外国经典文学著作选读Selected Readings of Western Classical Literature	2	0	
A1736220	世界文明史A history of civilizations	2	0	
A1736320	中华文明史History of Chinese Civilization	2	0	
A1736420	中国哲学经典著作选读Selected Reading of Chinese Classics	2	0	
A1736520	西方哲学经典著作选读Classic selected readings in western philosophy	2	0	
A1736620	文化与思维Culture and Thinking	2	0	
A1800520	哲学导论An introduction to Philosophy	2	0	
A1800620	逻辑与批判性思维Logic and Critical Thinking	2	0	
A1801320	大国兴衰史The Rise and Fall of Great Countries	2	0	
A9700220	心理健康与创新能力mental health and the ability of innovation	2	0	19级起必修
A0800120	学术规范与论文写作Academic Norms and Paper Writing	2	0	
A1300110	大学生心理危机干预Psychological crisis intervention of college students	1	0	
A1511520	经济学概论Introduction to Economics	2	0	
A1600120	人类发展与环境变迁Human Development and Environmental Changes	2	0	
A1600320	心理学漫谈Introduction to Psychology	2	0	
A1600520	生活中的罪与罚Crime and Punishment in Life	2	0	
A1600620	商业世界中的法律The Law in the Commercial World	2	0	
A1600710	版权制度的历史演进The Historical Evolution of Copyright System	1	0	
A1600820	生活中的刑法Criminal law in life	2	0	
A1600920	数据法学前沿The Forefront Issue of Data Law	2	0	
A1601020	网络安全法导论Cybersecurity Law Introduction	2	0	
A1610820	法律与社会Law and Society	2	0	
A1611520	管理方法与艺术the art and approach of management	2	0	

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
A1611620	社会学概论introduction to sociology	2	0	
A9904920	音乐鉴赏Music Appreciation	2	0	
A9905020	艺术导论An introduction to art	2	0	
A9905120	戏剧鉴赏Drama Appreciation	2	0	
A9905220	电影鉴赏Drama Appreciation	2	0	
A9905320	美术鉴赏Appreciation of Painting	2	0	
A9905420	舞蹈鉴赏Dancing Appreciation	2	0	
A0421220	成电英才创课Excellence innovative class of UESTC	2	0	
A0609620	问题驱动的创新与创业Problem-driven Innovation and Entrepreneurship	2	0	
A1410610	突破创新的禁区Breakthrough Innovation restricted area	1	0	
A1500120	领导力与管理思维创新Leadership and Management Thinking Innovation	2	0	
A1500220	供应链管理Supply Chain Management	2	0	
A1500320	商业伦理与企业社会创新Business Ethics and Corporate Social Innovation	2	0	
A1500410	产品经理思维Thinking of Product Manager	1	0	
A1500520	服务管理Service Management	2	0	
A1511620	创业管理Entrepreneurship	2	0	
A1511820	知识产权管理Intellectual Property Management	2	0	
A1514120	风险投资与创业融资Venture Capital and the Financing of Entrepreneurship	2	0	
A1514220	技术与创业管理Management of Technology and Entrepreneurship	2	0	
A1514320	创业过程模拟与实训Entrepreneurial Process Simulation and Practice	2	0	
A1613410	大学生创业法律风险防范Risk-Prevention of College Students' Entrepreneurship	1	0	
A1613520	科技变革与创新创业——IT企业兴衰史Technological change, innovation and entrepreneurship	2	0	
A1623120	大学生创业法律风险防范Risk-Prevention of College Students' Entrepreneurship	2	0	
A0100720	人工智能及其应用Artificial Intelligence: Principles and Applications	2	0	
A0110520	信息科技与社会发展Information Science & Technology and World Progress	2	0	
A0316320	化学与人类Chemistry And Humankind	2	0	
A0600120	漫谈人工智能Introduction to AI	2	0	
A0708420	全球化时代的环境问题Environmental Problem in Globalization Era	2	0	
A0800215	走近人工智能Introduction to Artificial Inteligence	1.5	0	
A0900130	人工智能时代Artificial Intelligence Era	3	0	
A1100920	数学文化Mathematical Culture	2	0	
A1200120	物理学与社会进步Physics and social progress	2	0	
A1410320	生命科学导论Introduction of Life Science	2	0	
A1800720	科学技术史The history of science and technology	2	0	

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
A7301720	科学本性与人文精神Scientific nature and the humanistic spirit	2	0	
A0100610	工程伦理与社会责任Engineering Ethics and Social Responsibility	1	0	
A0110620	电子工程设计之微处理器最小系统设计Electronic Engineering Design--Microprocessor Minmum-system Design	2	0	
A0209620	电子工程设计之电子电路设计基础Electronic Engineering Design--Basis of Electronic Circuit Design	2	0	
A0209720	电子工程设计之高频电路设计与工程制作Electronic Engineering Design--High Frequency Circuit Design and Production	2	0	
A0400220	工业产品设计概论Introduction to product design	2	0	
A0419420	工程设计Engineering Design	2	0	
A0419520	机器人设计与制作Robot Design and Make	2	0	
A0602320	电子工程设计之电子系统专题设计与制作Design and fabrication of electronic systems for electronic engineering design	2	0	
A0814720	计算机算法与程序设计Computer Algorithm and Program	2	0	
A0814820	工程导论Introduction to Engineering	2	0	
A1000120	系统思维与工程创新System Thinking & Engineering Innovation	2	0	
A1000210	工程概介Engineering Fundamentals: An Introduction to Engineering	1	0	
A1000310	系统思维与工程创新System Thinking & Engineering Innovation	1	0	
A1111520	ACM-ICPC 算法与程序设计ACM-ICPC Algorithm and Program Design	2	0	
A1111620	漫话数学建模Mathematical Modeling	2	0	
A1511720	工程管理Engineering Management	2	0	
F2701910	电子信息科学与技术导引（新生研讨课）Introduction to Electronic Science and Technology（Freshman Seminar）	1	0	限选
U2700110	人工智能导论（新生研讨课）Introduction to Artificial Intelligence	1	0	限选
N2700110	探寻信息奥秘（新生项目课程）Exploring Information Mystery（PBLF）	1	0	限选
D2702420	大学化学University Chemistry	2	0	必修 Compulsory
D2704960	数学分析II（含常微分方程）Mathematical Analysis (including Ordinary Differential Equations)II	6	0	必修 Compulsory
P2700140	大学物理IUniversity Physics I	4	0	必修 Compulsory
S1214710	大学物理实验IPhysical Experiment I	1	0	必修Compulsory
P2700740	电子电路基础（挑战性课程）Foundations of Circuits and Electronics illustrated(H)	4	0	必修 Compulsory
S2700120	电子电路实验Experiment of Electronic Circuit	2	0	必修Compulsory
L2703420	工程实践创新项目I（挑战性课程）Project-1 on Electronic Engineering(H)	2	0	必修 Compulsory
必修学分Required Course Credits		29		
建议选修学分Recommended Elective Course Credits		14		

第3学期　　Semester　3

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
M1800220	形势与政策Situation and Policies	2	0	

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
M2700120	学术英语文献阅读English For Academic Reading	2	0	必修 Compulsory
A1600220	中国古典文学著作选读Selected readings in classical literature Chinese	2	0	
A1600420	自然文学三部曲与环境伦理学The Trilogy of Natural Writing and Environmental Ethics	2	0	
A1615020	中外文学通论The Chinese and foreign literature theory	2	0	
A1702120	中西文化比较与交流Comparison and Communication between Chinese and Western Cultures	2	0	
A1702220	外国经典文学著作选读Selected Readings of Western Classical Literature	2	0	
A1736220	世界文明史A history of civilizations	2	0	
A1736320	中华文明史History of Chinese Civilization	2	0	
A1736420	中国哲学经典著作选读Selected Reading of Chinese Classics	2	0	
A1736520	西方哲学经典著作选读Classic selected readings in western philosophy	2	0	
A1736620	文化与思维Culture and Thinking	2	0	
A1800520	哲学导论An introduction to Philosophy	2	0	
A1800620	逻辑与批判性思维Logic and Critical Thinking	2	0	
A1801320	大国兴衰史The Rise and Fall of Great Countries	2	0	
A0800120	学术规范与论文写作Academic Norms and Paper Writing	2	0	
A1300110	大学生心理危机干预Psychological crisis intervention of college students	1	0	
A1511520	经济学概论Introduction to Economics	2	0	
A1600120	人类发展与环境变迁Human Development and Environmental Changes	2	0	
A1600320	心理学漫谈Introduction to Psychology	2	0	
A1600520	生活中的罪与罚Crime and Punishment in Life	2	0	
A1600620	商业世界中的法律The Law in the Commercial World	2	0	
A1600710	版权制度的历史演进The Historical Evolution of Copyright System	1	0	
A1600820	生活中的刑法Criminal law in life	2	0	
A1600920	数据法学前沿The Forefront Issue of Data Law	2	0	
A1601020	网络安全法导论Cybersecurity Law Introduction	2	0	
A1610820	法律与社会Law and Society	2	0	
A1611520	管理方法与艺术the art and approach of management	2	0	
A1611620	社会学概论introduction to sociology	2	0	
A9904920	音乐鉴赏Music Appreciation	2	0	
A9905020	艺术导论An introduction to art	2	0	
A9905120	戏剧鉴赏Drama Appreciation	2	0	
A9905220	电影鉴赏Drama Appreciation	2	0	
A9905320	美术鉴赏Appreciation of Painting	2	0	
A9905420	舞蹈鉴赏Dancing Appreciation	2	0	
A0421220	成电英才创课Excellence innovative class of UESTC	2	0	
A0609620	问题驱动的创新与创业Problem-driven Innovation and Entrepreneurship	2	0	
A1410610	突破创新的禁区Breakthrough Innovation restricted area	1	0	

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
A1500120	领导力与管理思维创新Leadership and Management Thinking Innovation	2	0	
A1500220	供应链管理Supply Chain Management	2	0	
A1500320	商业伦理与企业社会创新Business Ethics and Corporate Social Innovation	2	0	
A1500410	产品经理思维Thinking of Product Manager	1	0	
A1500520	服务管理Service Management	2	0	
A1511620	创业管理Entrepreneurship	2	0	
A1511820	知识产权管理Intellectual Property Management	2	0	
A1514120	风险投资与创业融资Venture Capital and the Financing of Entrepreneurship	2	0	
A1514220	技术与创业管理Management of Technology and Entrepreneurship	2	0	
A1514320	创业过程模拟与实训Entrepreneurial Process Simulation and Practice	2	0	
A1613410	大学生创业法律风险防范Risk-Prevention of College Students' Entrepreneurship	1	0	
A1613520	科技变革与创新创业——IT企业兴衰史Technological change, innovation and entrepreneurship	2	0	
A1623120	大学生创业法律风险防范Risk-Prevention of College Students' Entrepreneurship	2	0	
A0100720	人工智能及其应用Artificial Intelligence: Principles and Applications	2	0	
A0110520	信息科技与社会发展Information Science & Technology and World Progress	2	0	
A0316320	化学与人类Chemistry And Humankind	2	0	
A0600120	漫谈人工智能Introduction to AI	2	0	
A0708420	全球化时代的环境问题Environmental Problem in Globalization Era	2	0	
A0800215	走近人工智能Introduction to Artificial Inteligence	1.5	0	
A0900130	人工智能时代Artificial Intelligence Era	3	0	
A1100920	数学文化Mathematical Culture	2	0	
A1200120	物理学与社会进步Physics and social progress	2	0	
A1410320	生命科学导论Introduction of Life Science	2	0	
A1800720	科学技术史The history of science and technology	2	0	
A7301720	科学本性与人文精神Scientific nature and the humanistic spirit	2	0	
A0100610	工程伦理与社会责任Engineering Ethics and Social Responsibility	1	0	
A0110620	电子工程设计之微处理器最小系统设计Electronic Engineering Design--Microprocessor Minmum-system Design	2	0	
A0209620	电子工程设计之电子电路设计基础Electronic Engineering Design--Basis of Electronic Circuit Design	2	0	
A0209720	电子工程设计之高频电路设计与工程制作Electronic Engineering Design--High Frequency Circuit Design and Production	2	0	
A0400220	工业产品设计概论Introduction to product design	2	0	
A0419420	工程设计Engineering Design	2	0	

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
A0419520	机器人设计与制作Robot Design and Make	2	0	
A0602320	电子工程设计之电子系统专题设计与制作Design and fabrication of electronic systems for electronic engineering design	2	0	
A0814720	计算机算法与程序设计Computer Algorithm and Program	2	0	
A0814820	工程导论Introduction to Engineering	2	0	
A1000120	系统思维与工程创新System Thinking & Engineering Innovation	2	0	
A1000210	工程概介Engineering Fundamentals: An Introduction to Engineering	1	0	
A1000310	系统思维与工程创新System Thinking & Engineering Innovation	1	0	
A1111520	ACM-ICPC 算法与程序设计ACM-ICPC Algorithm and Program Design	2	0	
A1111620	漫话数学建模Mathematical Modeling	2	0	
A1511720	工程管理Engineering Management	2	0	
D2700650	随机数学（含概率论、数理统计、随机过程）Random Mathematics	5	0	必修 Compulsory
P2700340	大学物理IIUniversity Physics II	4	0	必修 Compulsory
S1214810	大学物理实验IIPhysical Experiment II	1	0	必修Compulsory
P2701145	信号与系统Signal and System	4.5	0	必修 Compulsory
D2700430	离散数学Discrete Mathematics	3	0	限选
P2701230	固体物理Solid-State Physics	3	0	限选
P2701330	数据结构与算法（挑战性课程）Data Structure and Algorithm(H)	3	0	
S2705710	工程实践创新项目II（挑战性课程）Engineering practice innovation project II(H)	1	0	必修 Compulsory
S2700220	基础科研训练IBasic Academic Training I	2	0	必修 Compulsory
必修学分Required Course Credits		21.5		
建议选修学分Recommended Elective Course Credits		16		

第4学期　　Semester 4

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
M1800220	形势与政策Situation and Policies	2	0	
B2705120	学术英语写作与交流English For Academic Writing and Communication	2	0	必修Compulsory
A1511420	营销管理：互联网思维与应用Marketing Management:Internet Thinking and its Application	2	0	管理与领导学和营销管理：互联网思维与应用为二选一。
C2700220	管理与领导学Study of Management and Leadership	2	0	管理与领导学和营销管理：互联网思维与应用为二选一。
M1700520	留学学业英语（雅思方向）English for Overseas Academic Study（IELTS）	2	0	建议选修
M1700920	留学学业英语（托福方向）English for Overseas Academic Study（TOEFL）	2	0	建议选修
A1600220	中国古典文学著作选读Selected readings in classical literature Chinese	2	0	
A1600420	自然文学三部曲与环境伦理学The Trilogy of Natural Writing and Environmental Ethics	2	0	
A1615020	中外文学通论The Chinese and foreign literature theory	2	0	
A1702120	中西文化比较与交流Comparison and Communication between Chinese and Western Cultures	2	0	

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
A1702220	外国经典文学著作选读Selected Readings of Western Classical Literature	2	0	
A1736220	世界文明史A history of civilizations	2	0	
A1736320	中华文明史History of Chinese Civilization	2	0	
A1736420	中国哲学经典著作选读Selected Reading of Chinese Classics	2	0	
A1736520	西方哲学经典著作选读Classic selected readings in western philosophy	2	0	
A1736620	文化与思维Culture and Thinking	2	0	
A1800520	哲学导论An introduction to Philosophy	2	0	
A1800620	逻辑与批判性思维Logic and Critical Thinking	2	0	
A1801320	大国兴衰史The Rise and Fall of Great Countries	2	0	
A0800120	学术规范与论文写作Academic Norms and Paper Writing	2	0	
A1300110	大学生心理危机干预Psychological crisis intervention of college students	1	0	
A1511520	经济学概论Introduction to Economics	2	0	
A1600120	人类发展与环境变迁Human Development and Environmental Changes	2	0	
A1600320	心理学漫谈Introduction to Psychology	2	0	
A1600520	生活中的罪与罚Crime and Punishment in Life	2	0	
A1600620	商业世界中的法律The Law in the Commercial World	2	0	
A1600710	版权制度的历史演进The Historical Evolution of Copyright System	1	0	
A1600820	生活中的刑法Criminal law in life	2	0	
A1600920	数据法学前沿The Forefront Issue of Data Law	2	0	
A1601020	网络安全法导论Cybersecurity Law Introduction	2	0	
A1610820	法律与社会Law and Society	2	0	
A1611520	管理方法与艺术the art and approach of management	2	0	
A1611620	社会学概论introduction to sociology	2	0	
A9904920	音乐鉴赏Music Appreciation	2	0	
A9905020	艺术导论An introduction to art	2	0	
A9905120	戏剧鉴赏Drama Appreciation	2	0	
A9905220	电影鉴赏Drama Appreciation	2	0	
A9905320	美术鉴赏Appreciation of Painting	2	0	
A9905420	舞蹈鉴赏Dancing Appreciation	2	0	
A0421220	成电英才创课Excellence innovative class of UESTC	2	0	
A0609620	问题驱动的创新与创业Problem-driven Innovation and Entrepreneurship	2	0	
A1410610	突破创新的禁区Breakthrough Innovation restricted area	1	0	
A1500120	领导力与管理思维创新Leadership and Management Thinking Innovation	2	0	
A1500220	供应链管理Supply Chain Management	2	0	
A1500320	商业伦理与企业社会创新Business Ethics and Corporate Social Innovation	2	0	
A1500410	产品经理思维Thinking of Product Manager	1	0	
A1500520	服务管理Service Management	2	0	

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
A1511620	创业管理Entrepreneurship	2	0	
A1511820	知识产权管理Intellectual Property Management	2	0	
A1514120	风险投资与创业融资Venture Capital and the Financing of Entrepreneurship	2	0	
A1514220	技术与创业管理Management of Technology and Entrepreneurship	2	0	
A1514320	创业过程模拟与实训Entrepreneurial Process Simulation and Practice	2	0	
A1613410	大学生创业法律风险防范Risk-Prevention of College Students' Entrepreneurship	1	0	
A1613520	科技变革与创新创业——IT企业兴衰史Technological change, innovation and entrepreneurship	2	0	
A1623120	大学生创业法律风险防范Risk-Prevention of College Students' Entrepreneurship	2	0	
A0100720	人工智能及其应用Artificial Intelligence: Principles and Applications	2	0	
A0110520	信息科技与社会发展Information Science & Technology and World Progress	2	0	
A0316320	化学与人类Chemistry And Humankind	2	0	
A0600120	漫谈人工智能Introduction to AI	2	0	
A0708420	全球化时代的环境问题Environmental Problem in Globalization Era	2	0	
A0800215	走近人工智能Introduction to Artificial Inteligence	1.5	0	
A0900130	人工智能时代Artificial Intelligence Era	3	0	
A1100920	数学文化Mathematical Culture	2	0	
A1200120	物理学与社会进步Physics and social progress	2	0	
A1410320	生命科学导论Introduction of Life Science	2	0	
A1800720	科学技术史The history of science and technology	2	0	
A7301720	科学本性与人文精神Scientific nature and the humanistic spirit	2	0	
A0100610	工程伦理与社会责任Engineering Ethics and Social Responsibility	1	0	
A0110620	电子工程设计之微处理器最小系统设计Electronic Engineering Design--Microprocessor Minmum-system Design	2	0	
A0209620	电子工程设计之电子电路设计基础Electronic Engineering Design--Basis of Electronic Circuit Design	2	0	
A0209720	电子工程设计之高频电路设计与工程制作Electronic Engineering Design--High Frequency Circuit Design and Production	2	0	
A0400220	工业产品设计概论Introduction to product design	2	0	
A0419420	工程设计Engineering Design	2	0	
A0419520	机器人设计与制作Robot Design and Make	2	0	
A0602320	电子工程设计之电子系统专题设计与制作Design and fabrication of electronic systems for electronic engineering design	2	0	
A0814720	计算机算法与程序设计Computer Algorithm and Program	2	0	
A0814820	工程导论Introduction to Engineering	2	0	
A1000120	系统思维与工程创新System Thinking & Engineering Innovation	2	0	

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
A1000210	工程概介Engineering Fundamentals: An Introduction to Engineering	1	0	
A1000310	系统思维与工程创新System Thinking & Engineering Innovation	1	0	
A1111520	ACM-ICPC 算法与程序设计ACM-ICPC Algorithm and Program Design	2	0	
A1111620	漫话数学建模Mathematical Modeling	2	0	
A1511720	工程管理Engineering Management	2	0	
D2702520	生物信息科学导论Introduction to Bioinformatics	2	0	生物信息科学导论和脑信息科学导论为二选一。
D2702720	脑信息科学导论Introduction to Brainformatics	2	0	生物信息科学导论和脑信息科学导论为二选一。
E2704460	数字逻辑与微处理器系统设计（挑战性课程）Digital Design and MCU System（H）	6	0	必修 Compulsory
P2700230	电磁场与波Electromagnetic Fields and Waves	3	0	限选
P2700430	计算机网络Computer Networks	3	0	限选
S2700220	基础科研训练IBasic Academic Training I	2	0	必修 Compulsory
L2702620	工程实践创新项目III（挑战性课程）Engineering Practice and Innovation Project III(H)	2	0	必修 Compulsory
必修学分Required Course Credits		14		
建议选修学分Recommended Elective Course Credits		4		

第5学期   Semester 5

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
B1800650	毛泽东思想和中国特色社会主义理论体系概论The Outline of Mao Tse-tung Thought and Socialist Theoretical System with Chinese Characteristics	5	0	必修 Compulsory
M1800430	马克思主义基本原理Basic principles of Marxism	3	0	必修 Compulsory
M1800220	形势与政策Situation and Policies	2	0	
S2700320	基础科研训练IIBasic Academic Training II	2	0	必修 Compulsory
必修学分Required Course Credits		12		
建议选修学分Recommended Elective Course Credits		10		

第6学期   Semester 6

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
B1800650	毛泽东思想和中国特色社会主义理论体系概论The Outline of Mao Tse-tung Thought and Socialist Theoretical System with Chinese Characteristics	5	0	必修 Compulsory
M1800430	马克思主义基本原理Basic principles of Marxism	3	0	必修 Compulsory
M1800220	形势与政策Situation and Policies	2	0	
S2700320	基础科研训练IIBasic Academic Training II	2	0	必修 Compulsory
必修学分Required Course Credits		12		
建议选修学分Recommended Elective Course Credits		10		

第7学期   Semester 7

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
M1800220	形势与政策Situation and Policies	2	0	
L2705520	综合科研训练Integrated Academic Training	2	0	必修 Compulsory
必修学分Required Course Credits		4		

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
建议选修学分Recommended Elective Course Credits		13.5		

第8学期　Semester 8

课程代码 Course Code	课程名称 Course Name	学分 Credits	周学时 Hours per week	修读要求 Attending Requirements
M1800220	形势与政策Situation and Policies	2	0	
B2000510	大学生体质测试College-student Physique Test	1	0	必修 Compulsory
L2705520	综合科研训练Integrated Academic Training	2	0	必修 Compulsory
L2705460	毕业设计Undergraduate Thesis	6	0	在专业学院完成。
必修学分Required Course Credits		11		
建议选修学分Recommended Elective Course Credits		0		