

Electronic Information Engineering 080701

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周	20	20	20	20	20	20	20	19	约6周	165

学期 /周次	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
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序号	书名	著(译)者	出版社	出版年	语种
1		; 治	! G Q	2013	OO
2	取) *	! G Q	2009	OO
3	超+ M — } L <, 4M - . J 第Ej ! 之	.]	' Q	2009	OO
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5	G — :	Q\$周g =	# Q	2009	OO
6	: 第4	# PC\$!	Q	2010	OO
7	: 第5	Oi	Q	2010	OO
8	Principles of Testing Electronic Systems	Samiha M. Yervant Z. B1 \$8v	" Q	2007	OO
9	Computer Networking: A Top-Down Approach (4th Edition) " (第4)	Addison Wesley @1	" Q	2009	OO
10	Fundamentals of Electric Circuits (5th Edition) 路: 第5	Charles K. Alexander	" Q	2013	O
11	Computer Networks (5th Edition) 第5	Andrew S. Tanenbaum David J. Wetherall	" Q	2011	O
12	Data Communications and Networking (5th Edition) < 第5	Behrouz A. Forouzan	" Q	2013	O
13	The Art of Computer Programming: Combinatorial Algorithms 1	Donald E.Knuth	# Q	2012	O
14	Electric Universe ! 世界	David Bodanis	G Q	2006	O
15	Digital Signal Processing: Principles, Algorithms and Applications (4th Edition) 4 第4	John G. Proakis Dimitris G. Manolokis	Q	2013	O

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester
				总学时 Total Hours	实验实践学时 Experimental Hours	
Major Compulsory Course	ZB5232	Object Oriented Programming	3	54	18	2
	ZB5506	单片 O 原理与 A 用 Single-Chip Microcomputer Principle and its Application	3	54	14	3
	ZB5512	- . # & ' 设计 Embedded System Design	3	54	18	3
	ZB5503	\$号与&' Signals and Systems	4	72	12	4
	ZB5525	通 \$) , / * Electronic Circuit of Communication	2	36	8	4
	ZB5524	计算 O gm 与通 \$ Computer Network and Communication	2	36	10	5
	ZB5513	Digital Signal Processing	3	54	14	5
	ZB5502	通 \$ 原理 Communication Theory	4	72	14	6
	ZB5504	EDA EDA Technology	3	54	28	6
		Subtotal	27	486	136	
Major Optional Course	ZX5532	b Engineering Drawing	2	36	18	2
	ZX5509	General Physics	3	54	8	3
	ZX5511	< Database and Information System	3	54	16	3
	ZX5292	Java Java Programming	2	36	12	3
	ZX5529	路 b Electronic Circuit Design	2	36	36	3
	ZX5522	MATLAB MATLAB Language	2	36	12	3
	ZX5535	助 路 Circuit CAD	2	36	16	4
	ZX5526	(Sensor Technology	2	36	8	4
	ZX5210	Windows Windows Programming	3	54	18	4
	ZX5545	3 (Wireless Sensor Network	2	36	16	4
	ZX5252	Web	2	36	12	5
	ZX5506	j o (Electronic Measurement & Virtual Instruments	3	54	30	5
	ZX5520	/ b Principles of Automatic Control	3	54	10	5
	ZX5501	Android] Android Application and Development	3	54	26	5
	ZX5530	English Electronic Specialty	2	36	0	5
	ZX5523	RFID 别 RFID and Bar Code Recognition Technology	2	36	8	6
	ZX5542	r: Basic of Digital Video and Audio	2	36	10	6
	ZX5551	1 Technology and Application of the Internet of Things	2	36	12	6
	ZX5550		2	36	26	6
	ZX5554	] The Professional Development of Cutting-edge of Electronic and Information Engineering	1	18	0	7
ZX5552	4 Mobile Communication	2	36	0	7	

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester	
				总学时 Total Hours	实验实践学时 Experimental Hours		
	ZX5564	： 8 Basic Practice of Program Application	3	54	54	7	
	ZX5565	Intergrated Electronic System Design	3	54	54	7	
		Subtotal	23	414			
		Subtotal	135	2502			
8 8 Practice and Experiment	8 m Practice	SY9990	政策 Current Affairs and Policy	2	√		1-8
		SY9995	Military Theory and Training	2	√		1
		SY9992	OZ 8 Mid-term training	2	√		6
		SY9989	8 A Graduation Practice	2	√		8
		SY9999	O Graduation Thesis (Project)	6	√		8
		SY9994	O 8 Social Practice	2	√		1-7
	8 Specialized Experiment	SY5501	Professional Knowledge and Skills Training	2	36	36	1
		SY5503	Integrated Design of Electronic Technology Application	2	36	36	3
		SY5505		2	36	36	4
		SY5510	Integrated Design of Communication System	2	36	36	6
	e e 8 Innovation and Entrepreneurship Experiment	SY9701	Enterprise deduction sandbox	1	22	22	1
			8 8 Subtotal	25		166	
			Total	160			

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课程通 类别	课程名称	学分	学时	实践实 验学时	开课学期与周学时								
					1	2	3	4	5	6	7	8	
	TU :	3	36		2								
	TRS: 概	3	54	9			3						

课程类别	课程名称	学分	学时	实践实验学时	开课学期与周学时								
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专业学院	专业名称	课程类别	课程代码	课程名称	学分	学时	开课学期
		A m	ZX5503		3	54/10	\$
		A m	ZX5508		3	54	\$
		A m	ZX5509		3	54/10	\$
		A m	ZX5512		3	54/10	\$
		A m	ZX5526	(	2	36/8	—
		A m	ZX5515		3	54/8	—
		A m	ZX5531	2	2	36	—
		A m	ZX5543		2	36	—

Embedded System and Application 080701

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序号	书名	著(译)者	出版社	出版年	语种
1	(-)	' c	东 Q	2008	OO
2	取) *	! G Q	2009	OO
3	: (第)	Oi	Q	2007	OO
4	: (第)	# PC	Q	2010	OO
5	路 ·8 · (第)	r 1 4:	Q	2008	OO
6	(第6)	: l	Q	2013	OO
7	8M操 μC/OS-II 第2	Labrosse 7 ; a a	Rk k_G Q	2003	OO
8		< = >	Rk k_G Q	2007	OO
9	ARM '] p 8 H讲	t OO	Rk k_G Q	2011	OO
10	1 (第6) Computer Organization and Embedded Systems 6th Edition	Carl Hamacher	" Q	2012	O
11	第2 Computers as Components: Principles of Embedded Computing System Design 2th Edition	Wayne Wolf	" Q	2008	O
12	An Embedded Software Primer	David E.Simom	" Q	2005	O
13	C 第? · The C Programming Language 2th Edition	Brian W. Kernighan	" Q	2005	O
14	操 —He 第 Operating system- the essence of the principle and design 7th Edition	William Stallings	Q	2013	O
15	—: & ! 第4 Digital Signal Processing—A Computer-based Approach (4th Edition)	Sanjit K. Mitra	! G Q	2012	O

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester
				总学时 Total Hours	实践实验学时 Experimental Hours	
General Education Compulsory Course	TB3707	T U : Ideological and Moral Cultivation and Fundamentals of Law	3	36		1
	TB3708	OPK N史- + Survey of Modern Chinese History	3	54	9	2
	TB3703	T R S : 概 Basic Theory of Marxism	3	54	9	3
	TB3709	毛泽东T U J O P Q R S 概 General Introduction to Mao Zedong Thought and Socialist Theory with Chinese Characteristics	5	90	18	4
	TB4301	G O College Chinese	3	54		1
	TB4307	写 Applied Writing	1	18		6
	TB4601-TB4602	G 1-2 College English -	8	144		1-2
	TB5902 TB5903 TB5904 TB5905	G 1-4 Physical Education -	4	144		1-4
	TB4906-TB4907	1-2 Higher Mathematics -	9	162		1-2
	TB4915	/ N Linear Algebra	3	54		3
	TB4914	概 Mathematics Statistics Probability and	3	54		4
	TB9998	Career Guidance	1	18		7
	通识必修课程小计 Subtotal			46	900	36
General Education Optional Course		O Q m	≥2	≥36		2-7
		欣 m	≥2	≥36		
		m	≥2	≥36		
		沟 m	≥2	≥36		
		e e m	≥2	≥36		
	Subtotal	Subtotal	≥18	≥324		
Major Basic Course	ZJ5512	) * Fundamentals of Circuit A	3	54	8	1
	ZJ5201	高级语言程序设计 High-level Language Programing	4	72	24	1
	ZJ5511	Introduction to Electronic Information Engineering	2	36	16	1
	ZJ5508	模+), { B Analog Electronics	4	72	12	2
	ZJ5502	数字), { B Digital Electronics	4	72	16	2
	ZJ5515	< Algorithm and Data Structure	2	36	12	2
	ZJ5506	≥ Complex Variable Function	2	36	0	3
	ZJ5510	General Physics	3	54	8	3
Subtotal			24	432	96	

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester
				总学时 Total Hours	实践实验学时 Experimental Hours	
Major Compulsory Course	ZB5232	Object Oriented Programming	3	54	18	2
	ZB5506	Single-Chip Microcomputer Principle and its Application	3	54	14	3
	ZB5512	Embedded System Design	3	54	18	3
	ZB5533	Linux Embedded Linux System	2	36	10	4
	ZB5503	Signals and Systems	4	72	12	4
	ZB5526	Communication Technology	3	54	12	5
	ZB5513	Digital Signal Processing	3	54	12	5
	ZB5524	Computer Network and Communication	2	36	10	6
	Subtotal			23	414	106
Major Optional Course	ZX5532	Engineering Drawing	2	36	18	2
	ZX5540	Embedded Real-time Operating System	2	36	10	3
	ZX5292	Java Programming	2	36	12	3
	ZX5529	Electronic Circuit Design	2	36	36	3
	ZX5511	Database and Information System	3	54	16	3
	ZX5522	MATLAB Language	2	36	12	3
	ZX5526	Sensor Technology	2	36	8	4
	ZX5523	RFID and Bar Code Recognition Technology	2	36	8	4
	ZX5535	Circuit CAD	2	36	16	4
	ZX5514	Communication Interface Technology	3	54	10	4
	ZX5506	Electronic Measurement & Virtual Instrument	3	54	30	4
	ZX5501	Application and Development of Android	3	54	26	5
	ZX5210	Windows Programming	3	54	18	5
	ZX5520	Principles of Automatic Control	3	54	10	5
	ZX5551	Technology and Application of the Internet of Things	2	36	12	5
	ZX5545	Wireless Sensor Network	2	36	10	6
	ZX5502	EDA Technology	3	54	28	6
	ZX5542	Basics of Digital Video and Audio	2	36	10	6
	ZX5530	Electronic Specialty English	2	36	0	6
	ZX5552	Mobile Communication	2	36	0	7
	ZX5564	Basic Practise of Program Application	3	54	54	7
	ZX5565	Integrated Electronic System Design	3	54	54	7
	ZX5554	The Professional Development of Cutting-edge of Electronic and Information Engineering	1	18	0	7
	Subtotal			24	432	
Subtotal			135	2502		

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester	
				总学时 Total Hours	实践实验学时 Experimental Hours		
8 8 Practice and Experiment	8 m Practice	SY9990 政策 Current Affairs and Policy	2		√	1-8	
		SY9995 Military Theory and Training	2		√	1	
		SY9992 OZ 8 Mid-term training	2		√	6	
		SY9989 8A Graduation Practice	2		√	8	
		SY9999 O Graduation Thesis (Project)	6		√	7-8	
		SY9994 Q 8 Social Practice	2		√	1-7	
	8 Specialized Experiment	SY5501	Professional Knowledge and Skills Training	2	36	36	1
		SY5503	Integrated Design of Electronic Technology Application	2	36	36	3
		SY5505	Embedded Software Design	2	36	36	4
		SY5502	Integrated Design of Software System	2	36	36	5
	e e 8 Innovation and Entrepreneurship Experiment	SY9701	Enterprise sandbox deduction	1	22	22	1
	Subtotal			25		166	
	Total			160			

1. “√”] 该m ^ 周 M+, \$ • 按照 +, Z =

2. 8 m J 8 mO! 8 J e e 8 p) \$其余 56=

课程类别	课程名称	学分 Credit	M Total Hours		开课学期与周学时								
			学时 Hours	实践实验学时 Experimental Hours	1	2	3	4	5	6	7	8	
	TU	3	36		2								
	OPK N史- +	3	54	9		3							
	TRS:	3	54	9			3						
	毛泽东TUJOP QRS	5	90	18				5					
	G O	3	54		3								
	写	1	18							1			
	G	8	144		4	4							
	G (1-4)	4	144		2	2	2	2					
		9	162		4	5							
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		≥18	≥324										
) *	3	54	8	3								
	高级语言程序设计	4	72	24	4								
		2	36	16	2								
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	<	2	36	12		2							
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	g	3	54	18		3							
	单片O原理与A用	3	54	14			3						
	- . # &' 设计	3	54	18			3						
	- . # Linux &'	2	36	10				2					
	\$号与&'	4	72	12				4					
		3	54	12					3				
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	8M操	2	36	10			2						
	Java	2	36	12			2						
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专业 学院	专业 名称	课程类别	课程 代码	课程名称	学 分	学时	开课 学期
		A m	ZX5503		3	54/10	\$

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周	20	20	20	20	20	20	20	19	约6周	165

学期/周次	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
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学分占总学分比例 (%)	
课堂教学	实践教学
25	3.75
11.25	0.0
10.0	5.0
11.875	5.625
9.375	5.0
0.0	13.125
67.5	32.5
100	

出版社	出版年	语种
# ○	2009	○○
" ○	2011	○
" ○	2011	○
" ○	2012	○

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester	
				总学时 Total Hours	实践学时 Experimental Hours		
General Education Course	TB3707	T U : Ideological and Moral Cultivation and Fundamentals of Law	3	36		1	
	TB3708	OPK N史- + Survey of Modern Chinese History	3	54	9	2	
	TB3703	TRS: 概 Basic Theory of Marxism	3	54	9	3	
	TB3709	毛泽东TUJOP Q RS 概 General Introduction to Mao Zedong Thought and Socialist Theory with Chinese Characteristics	5	90	18	4	
	TB4301	G O College Chinese	3	54		1	
	TB4307	写 Applied Writing	1	18		2	
	TB4601 TB4602	G 1-2 College English -	8	144	72	1-2	
	TB5902 TB5903 TB5904 TB5905	G 1-4 Physical Education -	4	144		1-4	
	TB4906 TB4907	1-2 Higher Mathematics -	9	162		1-2	
	TB4915	/ N Linear Algebra	3	54		3	
	TB4914	概 Probability and Mathematics Statistics	3	54		4	
	TB9998	Career Guidance	1	18		7	
	Subtotal			46	882	108	
	General Education Optional Course	O Q m		≥2	≥36		2-7
欣 m		≥2	≥36				
m		≥2	≥36				
沟 m		≥2	≥36				
e e m		≥2	≥36				
Subtotal			≥18	≥324			
Major Basic Course	ZJ5213	Introduction to Computer Science	2	36	12	1	
	ZJ5201	高级语言程序设计 Advanced Language Programming	4	72	24	1	
	ZJ5212	: Basis of Programming	2	36	12	2	
	ZJ5209	O1 2 3 4 A用 Discrete Structure and Applications	3	54	18	2	
	ZJ5202	数k 2 3 Data Structure	4	72	24	2	
	ZJ5208	计算Og m Computer Network	3	54	18	3	
	ZJ5206	5作&' Operating System	3	54	18	3	
	ZJ5211	数k 6 原理 4 A用 Principles and Applications of Database	3	54	18	3	
	: Subtotal			24	432	144	

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester
				总学时 Total Hours	实践学时 Experimental Hours	
Major Compulsory Course	ZB5238	数字7辑 Digital Logic	3	54	18	2
	ZB5232	面89象程序设计 Object-Oriented Programming	3	54	18	3
	ZB5228	l S Assemble Language	3	54	18	4
	ZB5203	计算O: 成原理 Principles of Computer Organization	4	72	18	4
	ZB5216	Linux Linux System Analysis	3	54	18	4
	ZB5245	; O原理与接v { B Principles of Microcomputer and Interface Technology	3	54	18	5
	ZB5233	Introduction to Software Engineering	3	54	18	5
	ZB5229	计算O&' 23 Computer Architecture	3	54	18	6
	ZB5250	< = &' 设计 Intelligent System Design	3	54	18	6
	Subtotal			28	504	162
Major Optional Course	ZX5292	:] Web Design and Web Site Development	2	36	12	2
	ZX5572	Integrated Electronic System Design	3	54	54	6
	ZX5564	: 8 Basic Practice of Program Application	3	54	54	5
	ZX5514	接 Communication Interface Technology	3	54	18	4
	ZX5577	G < ∪ Big Data and Artificial Intelligence	3	54	18	4
	ZX5565	S : Fundamentals of Computer Hardware Programming	3	54	18	2
	ZX5283	Algorithm Design and Analysis	2	36	12	3
	ZX5246	Java Java Programming	2	36	12	3
	ZX5245	IT IT Professional English	2	36		7
	ZX5210	Windows Windows Programming	3	54	18	4
	ZX5208	FPGA ' FPGA and Hardware Description Language	3	54	18	3
	ZX5221	Multimedia Technology	3	54	18	6
	ZX5279	<] Design and Development of Database Application System	2	36	12	4
	ZX5239	C# C# Programming	2	36	12	5
	ZX5238	ARM S ARM Architecture and Programming	2	36	12	5
	ZX5209	Java EE] Application and Development of Java EE Technology	3	54	18	5
	ZX5247	Linux S Linux Advanced Programming	2	36	12	5
	ZX5274	Software Testing Technology	2	36	12	6
	ZX5281	/ b : Fundamentals of Digital Control	2	36	12	5
	ZX5206	ASP.NET ASP.NET Network Programming	3	54	18	6
ZX5251	Unity 3D Unity 3D Applications	2	36	12	6	
ZX5557	' Analysis and Design of Embedded Project	2	36	12	6	

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester	
				总学时 Total Hours	实践学时 Experimental Hours		
	ZX5250	UML Modeling Technology	2	36	12	5	
	ZX5291	Network Game Development	2	36	12	7	
	ZX5301	The Development of Computer Science and Technology	1	18		7	
	ZX5297	Mobile Platform Application Software Development	2	36	12	7	
	ZX5293	Introduction to Internet of Things	2	36		7	
	ZX5252	Web Application and Development	2	36	12	6	
	ZX5576	Internet Financial Market and Financial Tools	2	36		7	
	Subtotal			23	414		
Subtotal			139	2502			
8 8 Practice and Experiment	8 m Practice	SY9990	政策 Current Affairs and Policy	2		√	1-8
		SY9995	Military Theory and Training	2		√	1
		SY9992	中 期 Medium-term training	2		√	6
		SY9889	8 A Graduation Practice	2		√	8
		SY9999	8 Graduation Thesis (Project)	6		√	7-8
		SY9994	8 Social Practice	2		√	1-7
	8 Specialized Experiment	SY5205	Course Project of Programming	1	18	18	2
		SY5209	Course Project of Digital Logic	1	18	18	3
		SY5208	Course Project of Database Application	1	18	18	4
		SY5210	Course Project of Comprehensive Digital System	1	18	18	6
	e e 8 Innovation and Entrepreneurship Experiment	SY9701	Enterprise sandbox deduction	1	22	22	1
	Subtotal			21			
	Total			160			

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2. 8 m J 8 mO! e e 8 p) \$ 其余 56=

课程类别	课程名称	学分	学时		开课学期与周学时								
			总学时	实践实验学时	1	2	3	4	5	6	7	8	
	TU :	3	36		2								
	OPK N史- +	3	54	9		3							
	TRS: 概	3	54	9			3						
	毛泽东TUJ OP Q RS 概	5	90	18				5					
	G O	3	54		3								
	写	1	18			1							
	G 1-2	8	144	72	4	4							
	G 1-4	4	144		2	2	2	2					
	1-2	9	162		4	5							
	/ N	3	54				3						
	概	3	54					3					
		1	18									1	
		46	882	108	15	15	9	7				1	
	O Q m	≥2	≥36										
	欣 m	≥2	≥36										
	m	≥2	≥36										
	沟 m	≥2	≥36										
	e e m	≥2	≥36										
		≥18	≥324										
		2	36	12	2								
	高级语言程序设计	4	72	24	4								
	:	2	36	12		2							
	O1 234A用	3	54	18		3							
	数k 23	4	72	24		4							
	计算Ogm	3	54	18				3					
	5作&'	3	54	18				3					
	数k 6原理4A用	3	54	18				3					
	程	24	432	144	6	9	9						
	数字7辑	3	54	18		3							
	面89象程序设计	3	54	18				3					
	l S	3	54	18					3				
	计算O: 成原理	4	72	18					4				
	Linux	3	54	18						3			
	; O原理与接v{ B	3	54	18							3		
		3	54	18							3		
	计算O&' 23	3	54	18								3	
	< = &' 设计	3	54	18								3	
		28	504	162	0	3	3	10	6	6	0		
	:]	2	36	12		2							
		3	54	54							3		
	: 8	3	54	54						3			

课程类别	课程名称	学分	学时		开课学期与周学时									
			总学时	实践实验学时	1	2	3	4	5	6	7	8		
	接	3	54	18				3						
	S :	3	54	18		3								
		2	36	12			2							
	IT	2	36								2			
	Windows	3	54	18				3						
	Java	2	36	12			2							
	G < u	3	54	18				3						
		3	54	18						3				
	<]	2	36	12				2						
	FPGA	3	54	18			3							
	C#	2	36	12					2					
	ARM S	2	36	12					2					
	Java EE]	3	54	18					3					
	Linux S	2	36	12					2					
		2	36	12						2				
	/ b :	2	36	12					2					
	ASP.NET	3	54	18						3				
	Unity 3D	2	36	12						2				
	'	2	36	12						2				
	UML	2	36	12					2					
	c]	2	36	12							2			
	] ]	1	18								1		
	4 L 台]	2	36	12							2			
		2	36								2			
	Web]	2	36	12						2				
	J	2	36								2			
		23	414	144										
8 8	政策	2			√	√	√	√	√	√	√	√	√	
		2			√									
		OZ 8	2								√			
		8A	2										√	
		O	6									√	√	
		O 8	2				√	√	√	√	√	√	√	
			1	18	18		√							
		Y	1	18	18			√						
		<	1	18	18				√					
			1	18	18							√		
	e e 8		1	22		√								
			21											
		160												

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专业学院	专业名称	课程类别	课程代码	课程名称	学分	学时	开课学期
		A	ZX5211		3	54/18	
		A	ZX5222		3	54/18	
		A	ZX5233		3	54/18	
		A	ZX5254		2	36/12	
		A	ZX5267		2	36/12	
		A	ZX5269		2	36/12	
		A	ZX5272		2	36/12	
		A	ZX5275		2	36/12	
		A	ZX5278		2	36/12	
		A	ZX5280		2	36/12	

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n \$ 两x Z 之 Z \$ 56 A 4 8 4 Q 8 3 \$ 约 6
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周	20	20	20	20	20	20	20	19	约6周	165

学期/周次	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
p				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
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课程类型	学分		学分占总学分比例 (%)	
	课堂教学	实践教学	课堂教学	实践教学
p 4	40.0	6.0	25.0	3.8
4	18.0	0.0	11.3	0
4 :	15.0	7.0	9.4	4.4
4	17.0	10.0	10.6	6.3
4	17.0	8.0	10.6	5.0
4 8 8	0.0	22.0	0	13.8
	107	53	66.9	33.1
	160		100	

序号	书名	著者 / 译者	出版社	出版年	语种
1	第 9	Kenneth E.Kendall / 9L 5	" Q	2014	OO
2	g (第 3)	Grady Booch/8'	! G Q	2016	OO
3	(第 4)	Robert Sedgewick/: 路%	# Q	2012	OO
4	概 (第 12)	[]J.* Y·1 C | 278 3·1 5r / t	# Q	2017	OO
5	@ (第 3)	Randal E.Bryant / G	" Q	2016	OO
6	(第 5)	L! 4(_	! G Q	2018	OO
7	Web]	C 4 B1	! G Q	2011	OO
8	N操 (第 4)	William Stallings /@ M	" Q	2017	OO
9	: " (第 6)	James F.Kurose/@1	! G Q	2014	OO
10		' .	Q	2013	OO
11	, } (第 3)	Suzanne Robertson /8'	# Q	2014	OO
12	The Art of Computer Programming	Donald E. Knuth	# Q	2010	O
13	:8 者! 究 (O)(第 8)	Roger S.Pressman	" Q	2015	O
14	< 概 (第 6) (-)	Abraham Silberschatz	" Q	2014	O

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester
				总学时 Total Hours	实践实验学时 Experimental Hours	
General Education Compulsory Course	TB3707	T U : Ideological and Moral Cultivation and Fundamentals of Law	3	36		1
	TB3708	OPK N史- + Survey of Modern Chinese History	3	54	9	2
	TB3703	T R S : 概 Basic Theory of Marxism	3	54	9	3
	TB3709	毛泽东T U J O P Q R S 概 General Introduction to Mao Zedong Thought and Socialist Theory with Chinese Characteristics	5	90	18	4
	TB4601 TB4602	G 1-2 College English -	8	144		1-2
	TB5902 TB5903 TB5904 TB5905	G 1-4 Physical Education -	4	144		1-4
	TB4906 TB4907	1-2 Higher Mathematics -	9	162		1-2
	TB4915	/ N Linear Algebra	3	54		3
	TB4914	概 Probability and Mathematics Statistics	3	54		4
	TB4301	G O College Chinese	3	54		5
	TB4307	写 Applied Writing	1	18		6
	TB9998	Career Guidance	1	18		7
		Subtotal	46	882	36	
	General Education Optional Course		O Q m	≥2	≥36		2-7
		欣 m	≥2	≥36		
		m	≥2	≥36		
		沟 m	≥2	≥36		
		e e m	≥2	≥36		
		Subtotal	18	324		
ZJ5201		高级语言程序设计 Advanced Language Programming	4	72	24	1
ZJ5212		: Basis of Programming	2	36	12	2
ZJ5209		O 1 2 3 4 A 用 Discrete Structure and Applications	3	54	18	2
ZJ5202		数k 2 3 Data Structure	4	72	24	2
ZJ5208		计算Og m Computer Network	3	54	18	3
ZJ5211		数 k 6 原理 4 A 用 Principles and Applications of Database	3	54	18	3
ZJ5206		5作&' Operating System	3	54	18	4
	Subtotal	22	396	132		

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester
				总学时 Total Hours	实践学时 Experimental Hours	

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester	
				总学时 Total Hours	实践实验学时 Experimental Hours		
8 8 Practice and Experiment	P College Required	SY9990 政策 Current Affairs and Policy	2	√		1-8	
		SY9995 Military Theory and Training	2	√		1	
		SY9992 OZ 8 Mid-term Training	2	2周		6	
		SY9989 8A Graduation Practice	2	√		8	
		SY9999 O Graduation Thesis (Project)	6	√		7-8	
		SY9994 Q 8 Social Practice	2	√		1-7	
	56 School Required	SY5205 Course Project of Programming	1	18	18	2	
		SY5512 < of Data Structure Course Project	2	36	36	3	
		SY5206 g Course Project of Object-oriented Programming	1	18	18	4	
		SY5208 < Course Project of Database Application	1	18	18	5	
	e e 8 Innovation and Entrepreneurship Experiment	SY9701	sandbox deduction Enterprise	1	22	22	1
	Subtotal			22			
	Total			160			

1. “√”] 该m ^ 周 M+, \$ • 按照 +, Z =

2. 8 m J 8 mO! 8 J e e 8 p) \$其余 56

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通

课程类别	课程名称	学分	学时		开课学期与周学时								
			总学时	实践实验学时	1	2	3	4	5	6	7	8	
	TU :	3	36		2								
	OPK N史- +	3	54	9		3							
	TRS: 概	3	54	9			3						
	毛泽东TUJ OP Q R S 概	5	90	18				5					
	G 1-2	8	144		4	4							
	G 1-4	4	144		2	2	2	2					
	1-2	9	162		4	5							
	/ N	3	54				3						
	概	3	54					3					
	G O	3	54						3				
	写	1	18							1			
		1	18									1	
		46	882	36	12	14	8	10	3	1	1		
	O Q m	≥2	≥36										
	欣 m	≥2	≥36										
	m	≥2	≥36										
	沟 m	≥2	≥36										
	e e m	≥2	≥36										
		≥18	≥324										

课程类别	课程名称	学分	学时	实践学时	开课学期与周学时								
					1	2	3	4	5	6	7	8	
		2	36	12				2					
	IT	2	36					2					

A

专业 学院	专业 名称	课程类别	课程 代码	课程名称	学 分	学 时	开课 学期
		A m	ZX5209	JavaEE]	3	54/18	\$
		A m	ZX5211	操	3	54/18	\$
		A m	ZX5222		3	54/18	\$
		A m	ZX5272	g	2	36/12	\$
		A m	ZX5275		2	36/12	\$
		A m	ZX5278	<	2	36/12	—
		A m	ZX5280	<	2	36/12	—

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 ! A J ! • 3 \$ +! \$ PX) ! G • i J
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约6周=

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8. 56! 8 8 2-6 Z \$ • 须 该 O! \$
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序号	书名	著(译)者	出版社	出版年	语种
1	路	SOP80_	Q	2014	OO
2	G < MN • 34 Tj ! G \ %	Viktor Mayer-Schonberge r	X # Q	2013	OO
3	% 1	Q	" Q	2013	OO
4	概	8	" Q	2011	OO
5	(第7 )	: |	Q	2016	OO
6		R x	! G Q	2017	OO
7	: & Cortex-M3 J IPv6!]	? S	! G Q	2017	OO
8	] 8	z A	Q	2016	OO
9	51 C (第2) G8	T • ^	Q	2016	OO
10	第E	Thomas L. Floyd	Q	2016	OO
11	STM32] 8 ;	t U // •	"	2017	OO
12	RFID and the Internet of Things	Harve Chabanne	Wiley Press	2011	O
13	C 第3 The C Programming Language 3th Edition	c VW XY	Q	2015	OO
14	Wireless Sensor Networks: Principles and Practice	Fei Hu and Xiaojun Cao	CRC Press	2012	O
15	The Internet of Things	Daniel D. Giusto	Springer Press	2010	O

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester	
				总学时 Total Hours	实践实验学时 Experimental Hours		
General Education Compulsory Course	TB3707	思想修养与法律基础 Ideological and Moral Cultivation and Fundamentals of Law	3	36		1	
	TB3708	中国现代史 Survey of Modern Chinese History	3	54	9	2	
	TB3703	马克思主义基本原理 Basic Theory of Marxism	3	54	9	3	
	TB3709	毛泽东思想与中国特色社会主义理论概论 General Introduction to Mao Zedong Thought and Socialist Theory with Chinese Characteristics	5	90	18	4	
	TB4601-TB4602	大学英语 1-2 College English -	8	144		1-2	
	TB5902 TB5903 TB5904 TB5905	体育 1-4 Physical Education -	4	144		1-4	
	TB4906-TB4907	高等数学 1-2 Higher Mathematics -	9	162		1-2	
	TB4915	线性代数 Linear Algebra	3	54		3	
	TB4914	概率论与数理统计 Probability and Mathematics Statistics	3	54		4	
	TB4307	应用写作 Applied Writing	1	18		5	
	TB4301	大学语文 College Chinese	3	54		6	
	TB9998	就业指导 Career Guidance	1	18		7	
		Subtotal		46	882	36	
	General Education Optional Course	选修 I 类		≥2	≥36		2-7
选修 II 类		≥2	≥36				
选修 III 类		≥2	≥36				
选修 IV 类		≥2	≥36				
选修 V 类		≥2	≥36				
Subtotal		≥18	≥324				
Major Basic Course	ZJ5513	电路与电子技术 Circuit and Electronic Technology	3	54	12	1	
	ZJ5201	高级语言程序设计 High-level Language Programming	4	72	24	1	
	ZJ5507	物联网工程 Introduction to Internet of Things Engineering	2	36	6	1	
	ZJ5210	数据结构 Data Structure	3	54	18	2	
	ZJ5502	数字电子技术 Digital Electronics	4	72	16	2	
	ZJ5206	操作系统 Operating System	3	54	18	3	
	ZJ5510	普通物理学 General Physics	3	54	12	4	
		Subtotal		22	396	106	
Major Compulsory Course	ZB5230	计算机组成与结构 Computer Organization & Architecture	3	54	18	3	
	ZB5506	单片机的原理与应用 Single-Chip Microcomputer Principle and its Application	3	54	18	3	

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester
				总学时 Total Hours	实践实验学时 Experimental Hours	
	ZB5518	(Principle and Application of Sensor	2	36	18	4
	ZB5524	RFID 原理4A用 RFID Principle and Application	2	36	10	4
	ZB5508	计算 O g m 与 通 \$ Computer Networks and Communications	3	54	12	5
	ZB5510	- . # { B Embedded Technology	3	54	18	5
	ZB5531	@ A g 通 \$ { B Communication Technology of Internet of Things	2	36	18	5
	ZB5519	3 (Wireless Sensor Networks	2	36	18	5
	ZB5532	Signals and Systems	3	54	8	6
	ZB5520	@ A g 工程设计与实 B Design and Implementation of Internet of Things Engineering	2	36	8	6
	Subtotal		25	450	146	
	ZX5510	Design Embedded Program	3	54	16	2 510

Major
Optional
Course

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester		
				总学时 Total Hours	实践实验学时 Experimental Hours			
	ZX5537	Linux S Embedded Linux Programming	2	36	18	6		
	ZX5543	Digital Signal Processing	2	36		6		
	ZX5515	Communication Theory	3	54	8	6		
	ZX5502	EDA EDA Technology	3	54	28	6		
	ZX5271	路由 Z Routing and Switching Technology	2	36	12	7		
	ZX5551	1 Technology and Application of the Internet of Things	2	36	12	7		
	Subtotal			23	414			
Subtotal			134	2466				
8 8 Practice and Experiment	8 m Practice	SY9990	政策 Current Affairs and Policy	2		√	1-8	
		SY9995	Military Theory and Training	2		√	1	
		SY9992	中 8 Medium-term training	2		√	6	
		SY9989	8 A Graduation Practice	2		√	8	
		SY9999	8 Graduation Thesis (Project)	6		√	7-8	
		SY9994	8 Social Practice	2		√	1-7	
	8 8 Specialized Experiment	SY5501	Professional Knowledge and Skills Training	2	36	36		2
		SY5506	Integrated Design of Electronic Technology Base	1	18	18		3
		SY5507	Integrated Design of Internet of Things Perception and Control	2	36	36		4
		SY5505	Embedded Software Design	2	36	36		4
		SY5509	Integrated Design of Internet of Things Engineering	2	36	36		6
	8 8 Innovation and Entrepreneurship Experiment	SY9701	Enterprise sandbox deduction	1	22	22		1
	Subtotal			26				
	Total			160				

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2. 8 m J 8 mO! 8 J e e 8 p) \$其余 56=

课程类别	课程名称	学分	学时		开课学期与周学时								
			总学时	实践实验学时	1	2	3	4	5	6	7	8	
	TU :	3	36		2								
	OPK N史- +	3	54	9		3							
	TRS: 概	3	54	9			3						
	毛泽东TUJ OP Q RS 概	5	90	18				5					
	G	8	144		4	4							
	G	4	144		2	2	2	2					
		9	162		4	5							
	/ N	3	54				3						
	概	3	54					3					
	写	1	18						1				
	G O	3	54							3			
		1	18									1	
		46	882	36	1 2	1 4	8	1 0	1	3	1		
	O Q m	≥2	≥36										
	欣 m	≥2	≥36										
	m	≥2	≥36										
	沟 m	≥2	≥36										
	e e m	≥2	≥36										
		≥1 8	≥324										
	路	3	54	12	3								
	高级语言程序设计	4	72	24	4								
		2	36	6	2								
	数k 2 3	3	54	18		3							
	数字), { B	4	72	16		4							
	5作&'	3	54	18			3						
		3	54	12				3					
		22	396	106	9	7	3	3					
	1	3	54	18			3						
	单片O原理与A用	3	54	18			3						
	(	2	36	18				2					
	RFID 原理4A用	2	36	10				2					
	计算Ogm与通\$	3	54	12					3				
	- . # { B	3	54	18					3				
	@Ag通\$ { B	2	36	18					2				
	3 (	2	36	18					2				
		3	54	8						3			
	@Ag 工程设计与实B	2	36	8						2			
		25	450	146			6	4	1 0	5			

课程类别	课程名称	学分	学时		开课学期与周学时									
			总学时	实践实验学时	1	2	3	4	5	6	7	8		
		3	54	16		3								
	:	2	36	26		2								
	Java	2	36	12			2							
	<	2	36	16			2							
	SM操	2	36	10			2							
	Android]	3	54	26				3						
	Web]	3	54	18				3						
	Windows	3	54	18				3						
	助 路	2	36	18				2						
		2	36	26					2					
	C#	2	36	12					2					
	Java EE]	3	54	18					3					
	/ b	3	54	18					3					
	G < u	3	54	18						2				
	ASP.NET	3	54	18						3				
		2	36	12						2				
	Linux S	2	36	18						2				
		2	36							2				
		3	54	8						3				
	EDA	3	54	28						3				
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	路 Z	2	36	12								2		
	1	2	36	12								2		
		23	414											
8 8		2				√	√	√	√	√	√	√	√	
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		2					√	√	√	√	√	√	√	
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			2	36	36				2					
			2	36	36						2			
		e e 8	1	22			√							
			26											
		160												

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2. 8 m J 8 mO! 8 J e e 8 p) \$其余 56=

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专业 学院	专业 名称	课程类别	课程 代码	课程名称	学 分	学 时	开 课 学 期
		A m	ZX5539		2	36	—
		A m	ZX5566	概	2	36/12	—
		A m	ZX5293		2	36	—
		A m	ZX5509		3	54	—
		A m	ZX5533	:	2	36	\$
		A m	ZX5519		3	54/10	\$
		A m	ZX5548		2	36	\$
		A m	ZX5568	b :	2	36/18	\$

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 : 24 \$ 28 \$ 23 \$ 8 8 21 =

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 8b第4 Z D 56“ 替”8 \$包括OZ 2 J
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	第1 Z	第2 Z	第3 Z	第4 Z	第5 Z	第6 Z	第7 Z	第8 Z	第2-7 Z	
周	20	20	20	20	20	20	20	19	约6周	165

学期/周次	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
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课程类型	学分		学分占总学分比例 (%)	
	课堂教学	实践教学	课堂教学	实践教学
p 4	40	6.0	25	3.75
4	18.0	0.0	11.25	0.0

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester
				总学时 Total Hours	实践学时 Experimental Hours	
General Education Course	TB3707	T U : Ideological and Moral Cultivation and Fundamentals of Law	3	36		1
	TB3708	OPK N史- + Survey of Modern Chinese History	3	54	9	2
	TB3703	T R S : 概 Basic Theory of Marxism	3	54	9	3
	TB3709	毛泽东T U J O P Q R S 概 General Introduction to Mao Zedong Thought and Socialist Theory with Chinese Characteristics	5	90	18	4
	TB4301	G O College Chinese	3	54		1
	TB4307	写 Applied Writing	1	18		2
	TB4601 TB4602	G 1-2 College English -	8	144	72	1-2
	TB5902 TB5903 TB5904 TB5905	G 1-4 Physical Education -	4	144		1-4
	TB4906	1-2 Higher Mathematics -	9	162		1-2
	TB4915	/ N Linear Algebra	3	54		3
	TB4914	概 Mathematics Statistics Probability and	3	54		4
	TB9998	Career Guidance	1	18		7
	Subtotal	46	882	108		
	General Education Optional Course	O Q m		≥2	≥36		2-7
欣 m		≥2	≥36			
m		≥2	≥36			
沟 m		≥2	≥36			
e e m		≥2	≥36			
Subtotal		≥18	≥324			
: Major Basic Course	ZJ5213	Introduction to Computer Science	2	36	12	1
	ZJ5201	高级语言程序设计 Advanced Language Programming	4	72	24	1
	ZJ5212	: Basis of Programming	2	36	12	2
	ZJ5209	O 1 2 3 4 A 用 Discrete Structure and Applications	3	54	18	2
	ZJ5202	数k 2 3 Data Structure	4	72	24	2
	ZJ5208	计算Og m Computer Network	3	54	18	3
	ZJ5206	5作&' Operating System	3	54	18	3
	ZJ5211	数k 6 原理 4 A 用 Principles and Applications of Database	3	54	18	3
	: Subtotal		24	432	144	

课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester
				总学时 Total Hours	实践实验学时 Experimental Hours	
Major Compulsory Course	ZB5238	Y Digital Logic	3	54	18	2
	ZB5232	Object-Oriented Programming	3	54	18	3
	ZB5522	Multimedia Technology	3	54	18	4
	ZB5203	计算O：成原理 Principles of Computer Organization	4	72	18	4
	ZB5523	计算O/形学 Computer Graphics	3	54	18	4
	ZB5233	Introduction to Software Engineering	3	54	18	5
	ZB5216	Linux Linux System Analysis	3	54	18	5
	ZB5239	数字* " { B Digital Media Technology	3	54	18	6
	ZB5249	C + D实{ B Virtual Reality Technology	3	54	18	6
	Subtotal			28	504	144
Major Optional Course	ZX5292	Web Design and Web Site Development	2	36	12	2
	ZX5565	Fundamentals of Computer Hardware Programming	3	54	18	2
	ZX5208	FPGA FPGA and Hardware Description Language	3	54	18	3
	ZX5283	Algorithm Design and Analysis	2	36	12	3
	ZX5246	Java Java Programming	2	36	12	3
	ZX5577	Big Data and Artificial Intelligence	3	54	18	4
	ZX5558	Computer animation	3	54	18	4
	ZX5239	C# C# Programming	2	36	12	4
	ZX5279	Design and Development of Database Application System	2	36	12	4
	ZX5564	Basic Practice of Program Application	3	54	54	5
	ZX5210	Windows Windows Programming	3	54	18	5
	ZX5559	Computer games programming	2	36	12	5
	ZX5209	Java EE Application and Development of Java EE Technology	3	54	18	5
	ZX5274	Software Testing Technology	2	36	12	5
	ZX5250	UML UML Modeling Technology	2	36	12	5
	ZX5251	Unity 3D Unity 3D Applications	2	36	12	6
	ZX5562	Streaming media technology	2	36	12	6
	ZX5291	Network Game Development	2	36	12	6
	ZX5297	Mobile Platform Application Software Development	2	36	12	6
	ZX5252	Web Web Application and Development	2	36	12	6
	ZX5245	IT IT Professional English	2	36		7
	ZX5561	Digital media ppreciation	2	36	12	7
ZX4301	Introduction of advertising	3	54		7	

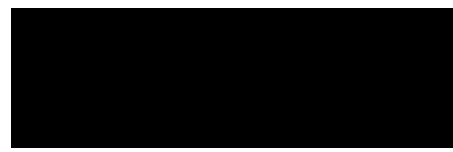
课程类别 Type of Course	课程代码 Course Code	课程名称 Name of Course	学分 Credit	学时 Hours		开课学期 Semester	
				总学时 Total Hours	实践学时 Experimental Hours		
	ZX5563	Digital media technology	1	18		7	
	ZX5576	Internet Financial Market and Financial Tools	2	36		7	
		Subtotal	23	414			
Subtotal			139	2502			
8 8 Practice and Experiment	8 m Practice	SY9990	政策 Current Affairs and Policy	2		√	1-8
		SY9995	Military Theory and Training	2		√	1
		SY9992	中 8 Medium-term training	2		√	6
		SY9989	8A Graduation Practice	2		√	8
		SY9999	8 Graduation Thesis (Project)	6		√	7-8
		SY9994	8 Social Practice	2		√	1-7
	8 8 Specialized Experiment	SY5205	Course Project of Programming	1		18	2
		SY5209	Course Project of Digital Logic	1		18	3
		SY5208	Course Project of Database Application	1		18	4
		SY5511	Digital media technology integrated curriculum design	1		18	6
	8 8 Innovation and Entrepreneurship Experiment	SY9701	Enterprise sandbox deduction	1	22	22	1
	Subtotal			21			
	Total			160			

1. “√”] 该m ^ 周 M+, \$ • 按照 +, Z =

2. 8 m J 8 mO! 8 J e e 8 p) \$其余 56=

课程类别	课程名称	学分	学时		开课学期与周学时								
			总学时	实践实验学时	1	2	3	4	5	6	7	8	
	TU :	3	36		2								
	OPK N史- +	3	54	9		3							
	TRS: 概	3	54	9			3						
	毛泽东TUJ OP Q RS 概	5	90	18				5					
	G O	3	54		3								RS

3.



A

专业学院	专业名称	课程类别	课程代码	课程名称	学分	学时	开课学期
		A m	ZX5211	操	3	54/18	\$
		A m	ZX5222		3	54/18	\$
		A m	ZX5221		3	54/18	—
		A m	ZX5266		2	36/12	—
		A m	ZX5254	:	2	36/12	—
		A m	ZX5265		2	36/12	f_
		A m	ZX5267		2	36/12	\$
		A m	ZX5269	1	2	36/12	\$
		A m	ZX5270	离k	2	36/12	\$
		A m	ZX5272	g	2	36/12	\$
		A m	ZX5275		2	36/12	\$
		A m	ZX5278	<	2	36/12	—
		A m	ZX5280	<	2	36/12	—