

## Curriculum Schedule for the Computer Science and Technology of Jiangsu University

(2009 and later)

### Duration of Study

The study of cst (Computer Science and Technology) program lasts 4 years in all and is composed of four type course.

### The Key Courses

The key courses which will be instructed in the 4 years include:

Programming in C++	Database Principle
Discrete Mathematics	Computer Architecture
Digital Logic Circuit Design	Principles of Microcomputer and Interfacing Technology
Data Structure	Computer Graphics
Computer Organization	Windows Programming
Operating Syste	Methodology of Programming
Computer Network	Formal language and Automata Theory
Technology of Compile	Electrotechnics

### Objectives

The graduates who can master the knowledge of Economics, Management, Economic Law, as well as the basic skill and method on Business Management. To be familiar with the rule of operation, trade and the knowledge of business economic benefit analysis. To be engaged in management, teaching and researching in a business unit, government department, or research institute.

### Requirements

Abide by the relevant policies and decrees formulated by the Chinese government, and the rules and regulations of Jiangsu University (JU).

Study hard and have good moral character. Respect the teaching staff and Chinese traditions and customs.

Develop scientific attitude in research and study and stress the combination of theory and practice. Have a good command of basic theories and systematic knowledge in the field of Computer.

Have a good command of Chinese language. Be able to read Chinese literature in the field of Computer.

Be in good health condition

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**Type A Courses**

No.	School	Name of Course	Term	Credit	Total Hours	Theory Hours	Practice Hours	Required Elective
A1	IIEEC	Chinese- I 汉语- I	1	18	270	270	0	Required
A2	IIEEC	Chinese- II 汉语- II	2	4	60	45	15	Required
A3	IIEEC	Chinese- III 汉语- III	3	4	60	45	15	Required
A4	IIEEC	Chinese- IV 汉语- IV	4	4	60	45	15	Required
A5	IIEEC	Overview of China 中国概论	1	4	60	45	15	Required
A6	PED	Sports - I 体育- I	1	2	30	10	20	Elective
A7	PED	Sports- II 体育- II	2	2	30	10	20	Elective
A8	PED	Sports- III 体育- III	3	2	30	10	20	Elective
A9	PED	Sports- IV 体育- IV	4	2	30	10	20	Elective
A10	FOS	Advanced Mathematics 高等数学 (理学院)	2,3	11	165	165	0	Required
A11	FOS	Linear Algebra 线性代数 (理学院)	3	2	30	30	0	Required
A12	FOS	Probability Theory and Mathematical Statistics (C) 概率论与数理统计 (C) (理学院)	5	3	45	45	0	Required
A13	FOS	College Physics 大学物理	2	6	90	70	20	Required
A14	EI	Electrotechnics 电工电子学	4	6	90	70	20	Required
A15		Information Retrieval 文献检索	4	1	15	15	0	Elective
A16	SA	Chinese Fine Arts 中国美术	2	2	30	30	0	Elective
A17	SA	Chinese Music 中国音乐	3	2	30	30	0	Elective
		<b>Total A</b>		<b>78</b>	<b>1170</b>	<b>990</b>	<b>180</b>	

**Type B Courses**

No.	School	Name of Course	Term	Credit	Total Hours	Theory Hours	Practice Hours	Required Elective
B1	CST	Introduction on Computer 计算机导论	1	2	30	30	0	Required
B2	CST	Computer Practice 计算机技术实践	1	1	15	0	15	Required

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B3	CST	Programming in C++( I ) C++程序设计( I )	2	4	60	45	15	Required
B4	CST	Programming in C++( I I ) C++程序设计( I I )	3	3	45	30	15	Required
B5	CST	Discrete Mathematics 离散数学	3	4	60	60	0	Required
B6	CST	Digital Logic Circuit Design 数字逻辑电路设计	4	5	75	60	15	Required
B7	CST	Data Structure 数据结构	4	5	75	60	15	Required
B8	CST	Computer Organization 计算机组成原理	5	5	75	60	15	Required
B9	CST	Assembly Language Programming 汇编语言程序设计	5	3	45	35	10	Required
B10	CST	Computing Methods 计算方法	5	2	30	30	0	Required
B11	CST	Operating System 操作系统	6	5	75	60	15	Required
B12	CST	Computer Network 计算机网络	5	54	60	50	10	Required
B13	CST	Technology of Compile 编译技术	6	3	45	35	10	Required
B14	CST	Database Principle 数据库系统原理	5	5	75	60	15	Required
		<b>Total B</b>		<b>57</b>	<b>855</b>	<b>705</b>	<b>150</b>	

**Type C Courses**

No.	School	Name of Course	Term	Credit	Total Hours	Theory Hours	Practice Hours	Required Elective
C1	CST	Computer Architecture 计算机系统结构	6	3	45	45	0	Required
C2	CST	Principles of Microcomputer and Interfacing Technology 微机系统与接口技术	6	5	75	60	15	Required
C3	CST	Computer Graphics 计算机图形学	6	3	45	35	10	Required
C4	CST	Principle and Application of Microcontroller 单片机原理及应用	6	3	45	30	15	Required
C5	CST	Windows Programming Windows 程序设计	5	3	45	30	15	Required
C6	CST	Methodology of Programming 程序设计方法学	6	2	30	30	0	Required
C7	CST	Formal language and Automata Theory 形式语言与自动机	6	2	30	30	0	Required
		<b>Total C</b>		<b>23</b>	<b>345</b>	<b>295</b>	<b>55</b>	

**Type D Courses: Elective 20 Credit**

C1	CST	Conspectus of Communication System 通信概论	7	2	30	30	0	Elective
C2	CST	Embedded System 嵌入式系统	7	3	45	35	10	Elective
C3	CST	Internet Technology and Applications Internet 技术及应用	7	2	30	22	8	Elective
C4	CST	Signal & Linear System 信号与线性系统	6	2	30	30	0	Elective
C5	CST	Combinatorics 组合数学	7	2	30	30	0	Elective
C6	CST	Linux Operating System LINUX 操作系统	7	2	30	24	6	Elective
C7	CST	The Design and Analysis of Algorithms 算法设计与分析	7	2	30	30	0	Elective
C8	CST	Artificial Intelligence 人工智能	7	2	30	30	0	Elective
C9	CST	Network Programming 网络编程技术	7	2	30	22	8	Elective
C10	CST	Network Engineering Technology 组网技术	7	2	30	30	0	Elective
C11	CST	Website Design and Production 网站建设技术	6	2	30	22	8	Elective
C12	CST	Technology of Multimedia 多媒体技术	7	2	30	22	8	Elective
C13	CST	XML Technology XML 编程技术	7	2	30	24	6	Elective
C14	CST	Electronic Commerce 电子商务	7	2	30	24	6	Elective
C15	CST	Java Programming JAVA 语言程序设计	7	3	45	30	15	Elective
C16	CST	Digital Image Processing 数字图像处理	6	2	30	22	8	Elective
C17	CST	C# Programming C#程序设计	7	3	45	30	15	Elective
C18	CST	Information Security 信息安全原理	7	2	30	30	0	Elective
C19	CST	Computer simulation technology 计算机仿真技术	7	2	30	30	0	Elective
C20	CST	Distributed Computing Environment 分布式计算环境	7	2	30	20	10	Elective

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Type E Courses: Practice

No.	Name of Course	Term	Credit	Weeks	Remark
E1	Freshman Transition 入学教育	1	1	1	
E2	Cognition practice 认知实习	2	1	1	Other city
E3	Programming in C++Practice C++程设课程设计	3	2	2	
E4	Data Structure 数据结构课程设计	4	1.5	1.5	
E5	Digital Logic Circuit Design Practice 数字逻辑课程设计	4	1.5	1.5	
E6	Computer Organization Practice 计算机组成课程设计	5	1.5	1.5	
E7	Database Principle Practice 数据库课程设计	5	1.5	1.5	
E8	Operating Syste Practice 操作系统课程设计	6	1.5	1.5	
E9	Principle and Application of Microcontroller Practice 单片机应用课程设计	6	1.5	1.5	
E10	Specialism Direction Practice 专业方向课程设计	7	3	3	
E11	Graduation Design (Dissertation) 毕业设计(论文)	8	16	16	
	<b>Total D</b>		<b>32</b>	<b>32</b>	

**The Allocation of Credits and course**

Term	Name of Course	Credit	Required Credit	Elective Credit	Practice Credit
1	Chinese- I 汉语- I	18	26	0	2
	Overview of China 中国概论	4			
	Sports - I 体育- I	2			
	Freshman Transition 入学教育	1			
	Introduction on Computer 计算机导论	2			
	Computer Practice 计算机技术实践	1			
2	Chinese- II 汉语- II	4	22	2	1
	Sports- II 体育- II	2			
	Advanced Mathematics 高等数学	6			
	Programming in C++( I ) C++程序设计( I )	4			
	Chinese Fine Arts 中国美术	2			

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	College Physics 大学物理	6			
	Cognition practice 认知实习	1			
3	Chinese-III 汉语-III	4	20	2	2
	Sports-III 体育-III	2			
	Programming in C++( I I ) C++程序设计( I I )	3			
	Chinese Music 中国音乐	2			
	Discrete Mathematics 离散数学	4			
	Linear Algebra 线性代数	2			
	Advanced Mathematics 高等数学	5			
	Programming in C++Practice C++程设课程设计	2			
4	Chinese-IV 汉语-IV	4	22	1	3
	Sports-IV 体育-IV	2			
	Digital Logic Circuit Design 数字逻辑电路设计	5			
	Data Structure 数据结构	5			
	Electrotechnics 电工电子学	6			
	Information Retrieval 文献检索	1			
	Data Structure 数据结构课程设 计	1.5			
	Digital Logic Circuit Design Practice 数字逻辑课程设计	1.5			
5	Probability Theory and Mathematical Statistics (C) 概率论与数理统计	3	25	0	3
	Computer Organization 计算机组成原理	5			
	Assembly Language Programming 汇编语言程序设计	3			
	Computing Methods 计算方法	2			
	Database Principle 数据库系统原理	5			
	Computer Network 计算机网络	4			
	Windows Programming Windows 程序设计	3			
	Computer Organization Practice 计算机组成课程设计	1.5			
	Database Principle Practice 数据库课程设计	1.5			

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6	Operating System 操作系统 Business &	5	26	6	3
	Technology of Compile 编译技术	3			
	Computer Architecture 计算机系统结构	3			
	Principles of Microcomputer and Interfacing Technology 微机系统与接口技术	5			
	Computer Graphics 计算机图形学	3			
	Principle and Application of Microcontroller 单片机原理及应用	3			
	Methodology of Programming 程序设计方法学	2			
	Formal language and Automata Theory 形式语言与自动机	2			
	Signal & Linear System 信号与线性系统	2			
	Website Design and Production 网站建设技术	2			
	Digital Image Processing 数字图像处理	2			
	Operating System Practice 操作系统课程设计	1.5			
	Principle and Application of Microcontroller Practice 单片机应用课程设计	1.5			
	7	Conspectus of Communication System 通信概论			
Embedded System 嵌入式系统		3			
Internet Technology and Applications Internet 技术及应用		2			
Combinatorics 组合数学		2			
Linux Operating System Linux 操作系统		3			
The Design and Analysis of Algorithms 算法设计与分析		2			
Artificial Intelligence 人工智能		2			
Network Programming 网络编程技术		2			
Network Engineering Technology 组网技术		2			
Technology of Multimedia 多媒体技术		2			
XML Technology		2			

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	XML 编程技术				
	Electronic Commerce 电子商务	2			
	Java Programming JAVA 语言程序设计	3			
	C# Programming C#程序设计	3			
	Information Security 信息安全原理	2			
	Computer simulation technology 计算机仿真技术	2			
	Distributed Computing Environment 分布式计算环境	2			
	Specialism Direction Practice 专业方向课程设计	3			
8	Graduation Design (Dissertation) 毕业设计(论文)	16	0	0	16
<b>Total</b>		<b>198</b>	<b>141</b>	<b>25</b>	<b>32</b>