

计算机科学与技术

一、培养目标

依据“工程教育认证标准”制定的本培养方案，培养具有良好的人文、科学及工程素养，掌握计算机领域的数理基础、计算机专业基础理论和专业核心知识，具备系统的工程实践能力和将所学知识应用于复杂系统的能力，能在信息技术产业、科研部门、高等院校及其相关领域从事计算机科学与技术研究、设计、开发及管理等工作的人才。

二、基本规格要求

计算机科学与技术专业本科毕业生达到如下要求：

1. 工程知识：能够将数学、自然科学、工程基础和计算机专业知识用于解决计算机系统复杂工程问题。
2. 问题分析：能够应用数学、自然科学和工程科学的基本原理，识别、表达，并通过文献研究分析计算机系统复杂工程问题，以获得有效结论。
3. 设计/开发解决方案：能够设计针对计算机系统复杂工程问题的解决方案，设计满足特定需求的计算机系统、单元（部件）或工艺流程，并能够在设计环节中体现创新意识，考虑社会、健康、安全、法律、文化以及环境等因素。
4. 研究：能够基于科学原理并采用科学方法对计算机系统复杂工程问题进行研究，包括设计实验、分析与解释数据，并通过信息综合得到合理有效的结论。
5. 使用现代工具：能够针对计算机系统复杂工程问题，开发、选择与使用恰当的技术、资源、现代工程工具和信息技术工具，包括对复杂工程问题的预测与模拟，并能够理解其局限性。
6. 工程与社会：能够基于工程相关背景知识进行合理分析，评价计算机专业工程实践和计算机系统复杂工程问题解决方案对社会、健康、安全、法律以及文化的影响，并理解应承担的责任。
7. 环境和可持续发展：能够理解和评价针对计算机系统复杂工程问题的工程实践对环境、社会可持续发展的影响。
8. 职业规范：具有人文社会科学素养、社会责任感，能够在计算机系统工程实践中理解并遵守工程职业道德和规范，履行责任。
9. 个人和团队：能够在多学科背景下的团队中承担个体、团队成员以及负责人的角色。
10. 沟通：能够就计算机系统复杂工程问题与业界同行及社会公众进行有效沟通和交流，包括撰写报告和设计文稿、陈述发言、清晰表达或回应指令，并具备一定的国际视野，能够在跨文化背景下进行沟通和交流。
11. 项目管理：理解并掌握工程管理原理与经济决策方法，并能在多学科环境中应用。
12. 终身学习：具有自主学习和终身学习的意识，有不断学习和适应发展的能力。

三、培养特色

本专业在教育部专业目录中属于计算机类专业，培养方案以计算机类专业工程教育认证要求为准则，结合本校实际制定；注重学科核心基础知识与专业技能，突出计算科学、数据科学、计算机系统、系统软件等相关特色方向。

四、学制、毕业基本要求及学位授予

1. 本科基本学制 4 年，弹性学习年限 3—6 年，按照学分管理制度管理。

2. 计算机科学与技术专业学生毕业最低学分数为 165 学分，其中各类别课程及环节要求学分数如下表：

| 课程类别 | 通识必修 | 学门核心 | 学类核心 | 专业核心 | 专业选修 | 通识选修 | 集中实践 | 合计 |
|------|------|------|------|------|------|------|------|-----|
| 学分数 | 24 | 24 | 27 | 20 | 29 | 8 | 33 | 165 |

3. 学生修满培养方案规定的必修课、选修课及有关环节，达到规定的最低毕业学分数，并修完规定必修但不记学分的所有课程和环节，德、智、体合格，即可毕业。满足学位授予相关文件要求的，授予工学学士学位。

五、课程设置及学分分布

(一) 通识教育课程〔必修 24+ (6) 学分+选修 8 学分〕

通识教育课程包括必修和选修两部分。通识选修课程按《湖南大学通识选修（文化素质教育）课程方案》实施，通识必修课程如下：

| 编码 | 课程名称 | 学分 | 备注 |
|--------------|----------------------|------------|----|
| GE01101 | 毛泽东思想和中国特色社会主义理论体系概论 | 3+ (3) | |
| GE01039 | 思想道德修养与法律基础 | 1.5+ (1.5) | |
| GE01100 | 形势与政策 | 0.5+ (1.5) | |
| GE01102 | 中国近现代史纲要 | 2 | |
| GE01103 | 马克思主义基本原理（上） | 2 | |
| GE01104 | 马克思主义基本原理（下） | 2 | |
| GE01012（-15） | 大学英语 | 8 | |
| GE01107（-13） | 心理素质与生涯发展 | 1 | |
| GE01089（-92） | 体育 | 4 | |

(二) 学门核心课程（24 学分）

| 编码 | 课程名称 | 学分 | 备注 |
|---------|-------------|----|----|
| GE03025 | 高等数学 A（1） | 5 | |
| GE03025 | 高等数学 A（2） | 5 | |
| GE03003 | 线性代数 A | 3 | |
| GE03004 | 概率论与数理统计 A | 3 | |
| GE03005 | 普通物理 A（1） | 3 | |
| GE03006 | 普通物理 A（2） | 3 | |
| GE03007 | 普通物理实验 A（1） | 1 | |
| GE03008 | 普通物理实验 A（2） | 1 | |

(三) 学类核心课程 (27 学分)

| 编码 | 课程名称 | 学分 | 备注 |
|---------|-----------|----|----|
| CS04022 | 高等程序设计 | 4 | |
| CS04001 | 离散数学 | 4 | |
| CS04002 | 数据结构 | 4 | |
| CS05054 | 数字电路与逻辑设计 | 4 | |
| CS04023 | 计算机系统 | 4 | |
| CS05052 | 算法分析与设计 | 4 | |
| CS04021 | 程序设计实验 | 2 | |
| CS04024 | 数字系统实验 | 1 | |

(四) 专业核心课程 (20 学分)

| 编码 | 课程名称 | 学分 | 备注 |
|---------|--------|----|------------|
| CS05073 | 人工智能导论 | 4 | |
| CS04007 | 操作系统 | 4 | 含“操作系统实验” |
| CS05074 | 计算机网络 | 4 | 含“网络系统实验” |
| CS05075 | 编译原理 | 4 | 含“编译系统实验” |
| CS05076 | 数据库原理 | 4 | 含“数据库系统实验” |

(五) 专业选修课程 (29 学分)

1. 专业限选课 (8 学分)

本专业学生必须从下列课程中选修 2 门, 以强化专业基础, 总计 8 学分。

| 编码 | 课程名称 | 学分 | 备注 |
|---------|---------|----|----|
| CS06137 | 软件工程 | 4 | |
| CS06138 | 计算理论导论 | 4 | |
| CS06139 | 高性能计算导论 | 4 | |

2. 专业任选课 (21 学分)

专业选修课程采用方向分组与任选相结合的方式实施, 学生首先选定某一分组的所有课程, 然后跨组 (鼓励院内跨专业) 选修课程, 共选修 7 门课程, 总计 21 学分, 课程及分组如下:

| 编码 | 课程名称 | 学分 | 备注 |
|---------|-----------|----|--------|
| CS06140 | 计算方法 | 3 | 计算科学组 |
| CS06141 | 计算理论 | 3 | |
| CS06142 | 云计算技术 | 3 | |
| CS06143 | 社交网络分析 | 3 | |
| CS06144 | 机器学习 | 3 | 数据科学组 |
| CS06145 | 数据智能处理 | 3 | |
| CS06146 | 科学计算可视化 | 3 | |
| CS06071 | 数据挖掘 | 3 | |
| CS06147 | 路由与交换技术 | 3 | 计算机系统组 |
| CS06148 | 分布式与云计算系统 | 3 | |
| CS06149 | 计算机视觉系统 | 3 | |
| CS06150 | 软件设计模式 | 3 | 系统软件组 |
| CS06151 | 高级数据库设计 | 3 | |

注: 1) 鼓励学生自主选修本专业或跨专业选修类课程, 学分不少于应选学分的 50%。

2) 在读期间参加学科竞赛或公开发表学术论文等经学院认定 (详见《湖南大学信息科学与工程学院学术研究成果分类指导意见和技术创新成果指导意见》), 可以申请替代选修 2 学分。

(六) 集中实践环节 (33 学分)

| 编码 | 课程名称 | 学分 | 备注 |
|--------------|-------------------|----|--|
| GE01040 | 军训、军事与国防 (含军事理论) | 0 | |
| CS10018 | 入学教育与专业入门 | 0 | |
| GE09030 | 中文写作实训 | 1 | 一年级夏季学期 |
| GE09028 | 英文写作实训 | 1 | |
| GE09001 | 程序设计 | 2 | |
| CS10019 | 电子系统设计 | 2 | 二年级夏季学期 |
| CS10020 | 软件设计 | 2 | |
| CS10021 (22) | 专业综合设计 (从学院列表选一): | 4 | 三年级夏季学期 |
| CS10023 | 毕业实习 | 2 | 第 8 学期 |
| CS10034 | 计算机系统原理实验 | 2 | |
| CS10035 | 交换机/路由器实验 | 1 | |
| CS10038 | 软件工程文档写作 | 1 | |
| CS10036 | 编程新技术实务 | 1 | |
| CS10026 | 毕业设计 (含导师课程) | 14 | 包含 2 个学分的导师课程。导师课程是“导师制”的具体任务,本课程须是以项目趋动、“CDIO”模式、讨论方式教学,每岗每届指导学生共 3—6 人。课程内容包含:本科生学业指导、一年级与二年级学生夏季学期设计课程监管、三年级学生夏季学期设计课程指导、四年级本科生毕业实习与毕业设计指导。 |

六、课程责任教师一览表

| 序号 | 姓名 | 职称 | 学历学位 | 专业特长 | 课程 (专业核心、专业选修、通识选修) |
|----|-----|-----|------|----------------------|---------------------|
| 1 | 骆嘉伟 | 教授 | 博士 | 数据挖掘、生物信息处理 | 数据结构、数据挖掘 |
| 2 | 李肯立 | 教授 | 博士 | 并行与分布式处理、生物计算机、组合最优化 | 高性能计算导论 |
| 3 | 王 东 | 教授 | 博士 | 无线移动网络、车载网络、网络性能测试 | 计算机网络 |
| 4 | 陈 浩 | 教授 | 博士 | 并行分布式系统 | 操作系统、分布式与云计算系统 |
| 5 | 肖德贵 | 副教授 | 博士 | 图像/视频处理,计算机视觉 | 操作系统、计算机视觉系统 |
| 6 | 许 莹 | 副教授 | 博士 | 优化算法 | 人工智能导论 |
| 7 | 朱宁波 | 副教授 | 博士 | 数字图像处理 | 人工智能导论、数据智能处理 |
| 8 | 任小西 | 副教授 | 博士 | 嵌入式系统 | 编译原理 |
| 9 | 范年柏 | 副教授 | 博士 | 形式化方法,数据挖掘 | 计算理论导论、计算方法 |

续表

| 序号 | 姓名 | 职称 | 学历学位 | 专业特长 | 课程 (专业核心、专业选修、通识选修) |
|----|-----|-----|------|--------------------------|---------------------|
| 10 | 吴昊 | 副教授 | 博士 | 计算理论 | 计算理论导论、计算理论 |
| 11 | 王永恒 | 副教授 | 博士 | 数据库和数据挖掘 | 数据库原理、高级数据库技术 |
| 12 | 唐卓 | 副教授 | 博士 | 云计算与大数据并行处理 | 高性能计算导论、云计算技术 |
| 13 | 殷树 | 副教授 | 博士 | 并行存储系统, 节能可靠性分析 | 算法分析与设计 |
| 14 | 李睿 | 副教授 | 博士 | 计算机网络安全、云计算、数据隐私与完整性保护研究 | 数据结构、软件设计 |
| 15 | 姜文君 | 讲师 | 博士 | 社会网络 | 算法分析与设计、社交网络分析 |
| 16 | 刘钰峰 | 讲师 | 博士 | 智能信息检索, 移动应用开发 | 数据结构、软件设计 |
| 17 | 夏艳 | 讲师 | 博士 | 无线网络、社交网络及大数据 | 数据结构、机器学习 |
| 18 | 李晓鸿 | 讲师 | 博士 | 可信系统与网络 | 数据结构、软件设计 |
| 19 | 袁小坊 | 讲师 | 博士 | 网络测量与未来网技术 | 计算机网络、路由与交换技术 |
| 20 | 吴帆 | 讲师 | 硕士 | 并行计算 | 数据结构、科学计算可视化 |
| 21 | 杨晓波 | 讲师 | 硕士 | 软件理论、信息安全 | 编译原理、编译系统设计与实现 |
| 22 | 王伟胜 | 工程师 | 硕士 | 图像分析及处理 | 软件工程、软件设计模式 |

七、专业责任教授

| 序号 | 姓名 | 职称 | 学历学位 | 专业特长 | 承担授课课程 |
|----|----|----|------|---------|----------------|
| 1 | 陈浩 | 教授 | 博士 | 并行分布式系统 | 操作系统、分布式与云计算系统 |

Computer Science and Technology

I . Objects

On the basis of “Engineering Education Accreditation Standards”, our target is to culture undergraduate students with the good qualities on humanity, science and engineering, as well as solid mathematical foundation on the areas of computer, computer major specialty foundation theories, and common core knowledge in computer science. Students are required to build their own knowledge systems based on their majors, scientific ways of thinking, and technologies of engineering practice. It is highly encouraged for students to apply their knowledge system on solving complex engineering problems in computer systems. Hence they are capable to work in computer science related fields including but not limited to information technology industries, research departments, and high education institutes.

II . Basic Requirements

The undergraduate students of computer science and technology should have the following qualities and abilities:

1. **Engineering Knowledge:** The students need to have the knowledge from mathematics, natural science, engineering, and computer science to solve complex engineering problems in computer systems.

2. **Problem Analysis:** The students need to have the abilities to make use of basic principles from mathematics, natural and engineering science to recognize, define and analyze complex engineering problems in computer systems with searching relevant literature, and finally make a reasonable conclusion.

3. **Design and Development:** The students need to have the abilities to give solutions for complex engineering problems from computer systems, and design a system, component or process to meet the specific requirements, and be able to reflect the innovation consciousness in the design process, considering the social, health, safety, law, culture, environment and other factors.

4. **Research:** The students should have such abilities to research complex engineering problems in computer systems based on science principles and scientific methods, as experiment designs, analysis and data interpretation and observation of reasonable conclusions.

5. **Utilize Modern Appliances:** The students should fully utilize appropriate techniques and tools to study and simulate the complex engineering issues under computer systems. During complex activities in computer systems, the students can develop the proper technology, or make use of the existing resources and methods to solve problems, and also understand the limitations of these approaches.

6. **Engineering and Sociality:** The students have reasonable thinking of engineering-related environmental information, and can make a fair evaluation about engineering practice on its responsibility and many other factors involved in the areas of sociality, health, safety, law, and culture etc.

7. **Social and Environmental Integration:** The students have relevant knowledge to understand professional engineering solutions and their influences on society and environment, as well as the necessity on sustainable development.

8. Professional Norm: The students are encouraged to enrich the quality of humanity and social science, to enhance the social responsibility. In addition, the students should understand and obey the professional ethic and standard.

9. Personal and Teamwork: The students should have the ability to cooperate with team members from different education background and act as different roles.

10. Communication: The students need to have the abilities to effectively communicate and exchange with industry peers and the public about complex engineering in computer systems, including report writing and design document, statement, clear expression or to respond to commands. And have a certain international perspective, can communicate and exchange in the cross-cultural context.

11. Project Management: The students are encouraged to understand and master the engineering management principle and economic decision-making method, and can be applied in many subjects environment.

12. Life-long Learning: The students should have the ability of self-learning and accept the idea of life-long learning.

III. Program Traits

This major belongs to the computer major in the undergraduate major directory from the Chinese Ministry of Education. The cultivation program is formulated according to the criterion of professional computer and engineering requirements as well as considering the actual environments of our school. We demand our students have core foundation on the knowledge and abilities to apply theoretical knowledge on dealing with complex engineering problems. We also strengthen the interdisciplinary and international collaboration, and highlight research directions such as the computer science, the data science, the computer systems, and the system software.

IV. Degree Requirements

1. An undergraduate student is expected to graduate in four (4) years preferably, and is also allowed to graduate within the periods between three (3) to six (6) years according to the student's performance in the academic credit system.

2. The minimal requirement for the academic credits is 165 credits totally for the students from the computer science and technology major. The detailed requirements for each kind of the specific courses are listed in the following table:

| Course Categories | Required General Education Courses | Core Courses Domain | Core Courses Discipline | Core Courses Major | Electives Major | Electives General | Collective Training | Total |
|---------------------|------------------------------------|---------------------|-------------------------|--------------------|-----------------|-------------------|---------------------|-------|
| Credit Requirements | 24 | 24 | 27 | 20 | 29 | 8 | 33 | 165 |

3. Students won't be graduated until all the requirements are fulfilled, including the learning process of core, elective and other specified courses, and satisfying the basic requirements on morality, intelligence, and health. The students who meet the requirements of degree-related policies will be conferred the Bachelor Degree of Engineering.

V. Curriculum

1. General Education Courses [required 24+(6) + elective 8 credits]

The general education courses consist of required courses and elective courses. General education electives are designed according to the *Curriculum Design of General Education Electives of Hunan*

University. Required general education courses are illustrated in the following table.

| Code | Course Title | Credit(s) | Remarks |
|--------------|---|------------|---------|
| GE01101 | Introduction to Maoism and Theoretical System of Socialism with Chinese Characteristics | 3+ (3) | |
| GE01039 | Moral Cultivation and Law Basics | 1.5+ (1.5) | |
| GE01100 | Current Situation and Policies | 0.5+ (1.5) | |
| GE01102 | Outline of Modern Chinese History | 2 | |
| GE01103 | Fundamentals of Marxism I | 2 | |
| GE01104 | Fundamentals of Marxism II | 2 | |
| GE01012(-15) | College English | 8 | |
| GE01107(-13) | Psychological Health & Career Planning | 1 | |
| GE01089(-92) | Physical Education | 4 | |

2. Core courses; domain (24 credits)

| Code | Course Name | Credit(s) | Remarks |
|---------|-------------------------------------|-----------|---------|
| GE03025 | Advanced Mathematics A(I) | 5 | |
| GE03025 | Advanced Mathematics A(II) | 5 | |
| GE03003 | Linear Algebra A | 3 | |
| GE03004 | Probability Theory and Statistics A | 3 | |
| GE03005 | General Physics A(I) | 3 | |
| GE03006 | General Physics A(II) | 3 | |
| GE03007 | General Physics lab A(I) | 1 | |
| GE03008 | General Physics lab A(II) | 1 | |

3. Core courses; discipline (27 credits)

| Code | Course Name | Credit(s) | Remarks |
|---------|----------------------------------|-----------|---------|
| CS04022 | Advanced Programming | 4 | |
| CS04001 | Discrete Mathematics | 4 | |
| CS04002 | Data Structure | 4 | |
| CS05054 | Digital Circuit and Logic Design | 4 | |
| CS04023 | Computer System | 4 | |
| CS05052 | Algorithm Analysis and Designing | 4 | |
| CS04021 | Programming Experiment | 2 | |
| CS04024 | Digital system Experiment | 1 | |

4. Core courses; major (20 credits)

| Code | Course Name | Credit(s) | Remarks |
|---------|--|-----------|---|
| CS05073 | Introductions to Artificial Intelligence | 4 | |
| CS04007 | Operating System | 4 | Includes Experiments to Operating Systems |
| CS05074 | Computer Networks | 4 | Includes Experiments to Network Systems |
| CS05075 | Principles of Compiling | 4 | Includes Experiments to Compiling Systems |
| CS05076 | Principles of Database Systems | 4 | Includes Experiments to Database Systems |

5. Electives; major (29 credits)

(1)Major restricted electives(8 credits)

Students must register two courses, 8 credits in total, from the following list for the purpose of specialty foundation strengthen.

| Code | Course Name | Credit(s) | Remarks |
|---------|---|-----------|---------|
| CS06137 | Software Engineering | 4 | |
| CS06138 | Introductions to Computing Theory | 4 | |
| CS06139 | Introductions to High Performance Computing | 4 | |

(2) Major non-restricted electives (21 credits)

Major non-restricted electives are implemented as groups. Students of computer science and technology major should first take all the courses in one group and then take courses from other groups or even from other majors, with a total of seven (7) non-restricted electives and 21 credits. The non-restricted electives and their groups are listed in the following table:

| Code | Course Name | Credit(s) | Remarks |
|---------|---|-----------|-------------------------|
| CS06140 | Computing Methods | 3 | Computing Science Group |
| CS06141 | Computing Theory | 3 | |
| CS06142 | Cloud Computing Technology | 3 | |
| CS06143 | Social Network Analysis | 3 | |
| CS06144 | Machine Learning | 3 | Data Science Group |
| CS06145 | Intelligent Processing of Data | 3 | |
| CS06146 | Scientific Computing Visualization | 3 | |
| CS06071 | Data Mining | 3 | |
| CS06147 | Routing and Switching Technology | 3 | Computer Systems Group |
| CS06148 | Distributed and Cloud Computing Systems | 3 | |
| CS06149 | Computer Vision Systems | 3 | |
| CS06150 | Software Design Patterns | 3 | System Software Group |
| CS06151 | Advanced Database Designing | 3 | |

Note: 1) Students are encouraged to sign up for elective within and across their majors, with the credit hours no less than 50% of the total required credit hours.

2) Students who take part in computer competitions or publish technical papers can apply to substitute two selective credit hours (see instructions of academic research and techniques invocation of the college of computer science and electronic engineering, hunan university)

6. Collective training (33 credits)

| Code | Course Name | Credit(s) | Remarks |
|-------------|--|-----------|---|
| GE01040 | Military Training, Military Affairs and National Defense (Including Military Theory) | 0 | |
| CS10018 | University and Computer Science and Technology Major Introduction | 0 | |
| GE09030 | Practices for Chinese Writing | 1 | Summer semester of the first year of study |
| GE09028 | Practices for English Writing | 1 | |
| GE09001 | Practices for Programming | 2 | |
| CS10019 | Practices for Digital systems Design | 2 | Summer semester of the second year of study |
| CS10020 | Practices for Software Design | 2 | |
| CS10021(22) | Major Specific Integrated Design | 4 | Summer semester of the third year of study (Choosing 1 project from the college's list) |
| CS10023 | Internship for Graduation Project | 2 | Spring semester of the fourth year of study |
| CS10034 | Experiments to Principles of Computer Systems | 2 | |

Cont

| Code | Course Name | Credit(s) | Remarks |
|---------|--|-----------|---|
| CS10035 | Experiments to Routing and Switch Technology | 1 | |
| CS10038 | Software Engineering Documents Composition | 1 | |
| CS10036 | Programing with New Techniques | 1 | |
| CS10026 | Graduation Project(Including Mentor Courses) | 14 | Mentor courses (2 credits) are included. Mentor courses are the tasks of the mentor system. These courses are project-driven with "CDIO" model, and are taught by discussions. Every mentor takes charge of 3—6 students of each class year. The course contents include: academic guidance for undergraduate students, monitoring on summer semester design courses for first and second year undergraduate students, mentoring on summer semester design courses for third year undergraduate students, mentoring on graduation project and internship for forth (final) year undergraduate students. |

VI. Major Course Teachers

| No. | Name | Title | Education | Research Domain | Courses |
|-----|------------|---------------------|-----------|---|--|
| 1 | Luo Jiawei | Professor | Ph. D | Data Mining, Biological Information Processing | Data Structure, Data Mining |
| 2 | Li Kenli | Professor | Ph. D | Parallel and Distributed Processing, Bio-computer, Combinational Optimization | Introductions to High Performance Computing |
| 3 | Wang Dong | Professor | Ph. D | Wireless Mobile Network, In-Car Network, Network Analysis | Computer Network |
| 4 | Chen Hao | Professor | Ph. D | Parallel and Distributed Systems | Operating Systems, Distributed and Cloud Systems |
| 5 | Xiao Degui | Associate Professor | Ph. D | Image and Video Processing, Computer Vision | Operating Systems, Computer Vision Systems |
| 6 | Xu Ying | Associate Professor | Ph. D | Optimization Algorithm | Introductions to Artificial Intelligence |
| 7 | Zhu Ningbo | Associate Professor | Ph. D | Digital Image Processing | Introductions to Artificial Intelligence, Intelligent Processing of Data |
| 8 | Ren Xiaoxi | Associate Professor | Ph. D | Embedded Systems | Principles of Compiling |

Cont

| No. | Name | Title | Education | Research Domain | Courses |
|-----|---------------|---------------------|-----------|---|--|
| 9 | Fan Nianbo | Associate Professor | Ph. D | Formalized Method, Data Mining | Introductions to Computing Theory, Computing Methods |
| 10 | Wu Hao | Associate Professor | Ph. D | Computing Theory | Introductions to Computing Theory, Computing Theory |
| 11 | Wang Yongheng | Associate Professor | Ph. D | Database, Data Mining | Principles of Database, Advanced Database Technology |
| 12 | Tang Zhuo | Associate Professor | Ph. D | Cloud Computing and Big Data Parallel Processing | Introductions to High Performance Computing, Cloud Computing Technology |
| 13 | Yin Shu | Associate Professor | Ph. D | Parallel Storage Systems, Reliability Analysis of Energy Efficient Systems | Algorithm Analysis and Designing |
| 14 | Li Rui | Associate Professor | Ph. D | Computer Network Security, Cloud Computing, Data Privacy and Integrity Research | Data Structure, Software Designing |
| 15 | Jiang Wenjun | Lecturer | Ph. D | Social Networks | Algorithm Analysis and Designing, Social Networks Analysis |
| 16 | Liu Yufeng | Lecturer | Ph. D | Intelligence Information Searching, Mobile Apps Development | Data Structure, Software Designing |
| 17 | Xia Yan | Lecturer | Ph. D | Wireless Network, Social Network and Big Data | Data Structure, Machine Learning |
| 18 | Li Xiaohong | Lecturer | Ph. D | Trusty Systems and Networks | Data Structure, Software Designing |
| 19 | Yuan Xiaofang | Lecturer | Ph. D | Network Measurement and Future Network Technology | Computer Networks, Routing and Switching Technology |
| 20 | Wu Fan | Lecturer | Master | Parallel Computing | Data Structure, Scientific Computing Visualization |
| 21 | Yang Xiaobo | Lecturer | Master | Software Theory, Information Security | Principles of Compiling, Designing and Implementation of Compiling Systems |
| 22 | Wang Weisheng | Engineer | Master | Image Analysis and Processing | Software Engineering, Software Designing Patterns |

VII. Professors-in-charge

| No. | Name | Title | Education | Research Domain | Courses |
|-----|----------|-----------|-----------|----------------------------------|--|
| 1 | Chen Hao | Professor | Ph. D | Parallel and Distributed Systems | Operating Systems, Distributed and Cloud Computing Systems |

(翻译人:殷树)