

计算机科学与技术专业培养方案

Programme Specification for Computer Science

I. 专业介绍 Introduction

西南交通大学计算机科学与技术专业拥有50余年的悠久历史，依托于“计算机科学与技术”一级学科博士学位点，并得到了“交通信息工程及控制”国家重点学科的有力支撑。“计算机科学与技术”学科在全国大学本科教育专业排行A+级，在教育部最新的第四轮学科评估中位列B+。2016年5月，计算机科学学科进入ESI全球排名前1%。“计算机应用技术”学科是四川省重点学科，“计算机科学与技术”本科专业是国家级一流专业，已通过工程教育专业认证。

西南交大-利兹学院“计算机科学与技术”专业联合了上述两所大学相关专业的优势而设置。

Southwest Jiaotong University has a long history of more than 50 years in computer science and technology. It relies on the doctoral degree of "Computer Science and Technology" first-level disciplines, and is strongly supported by the national key disciplines of "Traffic Information Engineering and Control". The "Computer Science and Technology" discipline ranks A+ in the country's undergraduate education programme, and ranks B+ in the latest fourth round of discipline assessment by the Ministry of Education. In May 2016, the computer science discipline entered the top 1% of the ESI global ranking. The subject "Computer Application Technology" is a key subject in Sichuan Province. The undergraduate programme of "Computer Science and Technology" is a national-level programme and has passed the professional certification of engineering education.

The "Computer Science and Technology" programme of Southwest Jiaotong University-Leeds College combines the advantages of the relevant programme of the two universities.

专业代码：080901H

Programme Code: 080901H

专业名称：计算机科学与技术

Programme Name: Computer Science

II. 培养目标 Objectives

本专业旨在培养适应国民经济与科技发展需求，具备较好的科学素养，扎实的专业基础知识，较强的工程实践能力和创新能力，开阔的全球化视野和过硬的英文水平，良好的职业道德和人文素养，能够在信息技术及其相关领域从事科研教学、产品研发、系统设计及应用管理的高级专业人才。

毕业生经过实践锻炼，能够达到以下目标：

1. 熟悉职业相关的法律法规，具有社会和职业道德修养，适应国际化团队工作环境。
2. 针对实际需求，能运用自然科学、工程基础和计算机专业知识，对复杂计算机系统工程问题进行分析，研究解决方案，承担计算机系统的设计、开发和应用管理任务。
3. 有组织协调能力，能与业界国内外同行、专业客户和公众进行有效沟通。
4. 具有继续学习能力，能适应技术和职业发展需求。

The programme aims to cultivate the students with good scientific literacy, solid professional basic knowledge, strong engineering practice ability and innovation ability, broad global vision and excellent English level, good professional ethics and humanistic literacy. This is to meet the national economic and technological development professionals in need for the senior professionals engaged in scientific research, product development, system design and application management in information technology and related fields. After practical training, the graduates can

achieve the following goals:

1. Be familiar with occupation-related laws and regulations, have social and professional ethics, and be adapt to the working environment of international teams.
2. According to practical needs, be able to use natural science, engineering foundation and computer expertise to analyze complex computer system engineering problems, research solutions, and undertake computer system design, development and application management tasks.
3. Have organizational and coordination skills, be able to communicate effectively with counterparts in the industry, professional customers and the public.
4. Have the ability to continuous learning, and can meet the needs of technical and professional development.

III. 专业毕业要求 Graduation Requirements

对于本专业的学生，毕业要求包括如下12项基本要求：

1. **工程知识：**掌握从事计算机专业领域工作所需要的数学、自然科学、工程基础和专业知识，并能够运用这些知识解决复杂计算机系统工程问题。
2. **问题分析：**能够应用数学、自然科学和计算机工程科学的基本原理，识别、表达复杂计算机系统工程问题，并能通过文献研究分析，获得有效结论。
3. **设计/开发解决方案：**能够设计针对复杂计算机系统工程问题的解决方案，开发满足特定需求的计算机系统、单元（模块），具有一定的创新意识，并在设计中考考虑社会、健康、安全、法律、文化及环境等因素。
4. **研究：**具有基于科学原理并采用科学方法对复杂计算机系统工程问题进行研究的能力，包括设计与实施实验、分析与解释数据、并通过信息综合得到合理有效结论。
5. **使用现代工具：**能够选择与使用恰当的技术、资源、开发环境或开发相关工具，对复杂计算机系统工程问题进行模拟和预测，并能够分析和理解其局限性。
6. **工程与社会：**在复杂计算机系统工程问题解决方案的设计和实现中，能够根据具体的工程背景合理分析和评价其对社会、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：**在复杂计算机系统工程问题解决方案的设计、实现过程及系统运行中，能够理解和评价其对环境、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和社会责任感，能够在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：**具有一定的组织管理能力、团队合作能力，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：**能够就复杂计算机系统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 design 文稿、陈述发言、清晰表达或回应指令，并具有一定的国际视野和跨文化沟通交流能力。
11. **项目管理：**理解并掌握计算机系统工程管理原理与经济决策方法，具有在 multidisciplinary 环境中应用的能力。
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。

The graduates are required to meet the following 12 essential requirements:

1. **Engineering knowledge: Master the knowledge of mathematics, natural science, and engineering fundamentals required for work** in the area of computer science and technology, and apply the knowledge to solve complex computer system engineering problems.
2. **Problem analysis:** Have the ability of applying the fundamental principles of math, natural science and computer engineering science to identify, formulate, and analyze complicated computer system engineering

problems, and draw a valid conclusion through literature research.

3. Design/develop of solutions: Have the ability to design solutions for complex computer system engineering, and to develop computer systems, units (modules) that meet specified needs with sense of innovation and with appropriate considerations for society, health, safety, law, culture, environment, etc.

4. Research: Have the ability to use science methods to carry on research on complicated computer system engineering problems based on scientific principles, including designing experiments, analyzing and interpreting data as well as drawing reasonable conclusions from their achieved information.

5. Modern Tool Usage: Have the ability to select and apply appropriate techniques, resources, development environment and related development tools to predict and simulate complicated computer system engineering problems, with an understanding of the limitations.

6. Engineering and society: In the design and implementation of the solutions to complex computer system engineering problems, be able to carry out rationality analysis based on relevant engineering background knowledge and evaluate the impacts on the society, health, security, law, culture and environment; have a clear understanding of their responsibilities.

7. Environment and sustainable development: In the design, implementation process and system operation of the solutions to complex computer system engineering problems, can understand and evaluate some complicated engineering practices' influence on environment and its sustainable development.

8. Occupational norms: Have humanistic and social science literacy as well as social responsibility, understand and comply with engineering professional ethics and norms in engineering practice and fulfill responsibilities.

9. Individual and Team work: Have certain organizational management ability, team cooperation ability, and can work as individuals, team members as well as team leaders in the teams with multidisciplinary backgrounds.

10. Communication: Can communicate effectively over complicated computer system engineering problems with both industry peers and the general public, including writing reports, designing documents, giving presentations, clearly presenting or responding to instructions; can see into problems in an international perspective and communicate with people of different cultural backgrounds.

11. Project management: Understand and master computer system engineering management principles and economic decision-making methods, and be able to apply them in a multidisciplinary environment.

12. Lifelong learning: Have the consciousness of independent learning and lifelong learning, and the ability of continuous learning and adapting to the development.

IV. 学制与学位 Duration and Degree

学制:

四年制 Duration: 4 Years

学位:

西南交通大学 Southwest Jiaotong University

工学学士 Degree: Bachelor of Engineering

利兹大学 University of Leeds

分级荣誉理学学士学位 Degree: Bachelor of Science with Classified Honours

V. 主干学科与专业核心课程 Main Subject and Specialized Core Course

主干学科: 计算机科学与技术

Main Subject: Computer science and technology

专业核心课程：物理1：力学与波、物理2：热学和电磁学、数学1、数学2、英语、基础数学概念、程序设计、专业计算、计算机体系结构、Web程序设计、Web技术概论、计算机处理器、数据库、离散数学导论、面向对象程序设计、编程项目、用户界面、数值计算、算法和数据结构1、算法和数据结构2、网络、人工智能、软件工程项目、软件工程理论、形式语言和有限自动机、操作系统、Web应用开发、数据挖掘、Web服务和Web数据、计算机图形学、分布式系统、机器学习、安全运算、用户自适应智能系统、组合优化、并行计算

Specialized Core Course: Physics 1: Mechanics and Waves, Physics 2: Thermodynamics and Electricity, Mathematics 1, Mathematics 2, English for Engineering, Fundamental Mathematical Concepts, Procedural Programming, Professional Computing, Computer Architecture, Programming for the Web, Introduction to Web Technologies, Computer Processors, Databases, Introduction to Discrete Mathematics, Object Oriented Programming, Programming Project, User Interfaces, Numerical Computation, Algorithms and Data Structures 1, Algorithms and Data Structures 2, Networks, Artificial Intelligence, Software Engineering Project, Software Engineering Principles, Formal Languages and Finite Automata, Operating Systems, Web Application Development, Data Mining, Web Services and Web Data, Computer Graphics, Distributed Systems, Machine Learning, Secure Computing, User Adaptive Intelligent Systems, Combinatorial Optimisation, Parallel Computation

VI. 毕业学分基本要求 Basic Requirements of Credits for Graduation

课程体系 Curriculum System		学分要求 Credits Requirements						
		必修 Compulsory		限修 Distributional Electives		任选 Free Electives		小计 Subtotal
		理论 Theory	实践 Practice	理论 Theory	实践 Practice	理论 Theory	实践 Practice	
学科与专业基础 课程 Discipline and Specialty Foundational Courses	数学与自然科学 基础课 Foundational Courses on Mathematics and Natural Science (专业核心课程 Specialized Core Course)	16	2					18
	专业基础课 Professional Foundational Courses (专业核心课程 Specialized Core Course)	18	0					18
专业课程 Specialized Courses	专业核心课程 Specialized Core Course	17	13	22	26			78
实习实践教学 Practice Courses	专业实践 Specialty Practices	0	0					0
	毕业设计 Graduation Design	0	12					12
附加环节 Additional Part	跨学科课程 Interdisciplinary Courses					0	0	0

公共基础课程 Public Basic Courses	思想政治类 Ideological Politics Courses	15	2				17
	军事类 Military Courses	2	2				4
	体育类 Physical Education Courses		4				4
特色短学期 Characteristic Short Semester	实习实训 Practical Training	0	0				0
必修环节 Compulsory Part	大学生综合素质提升、学生体质达标测评 Comprehensive Quality Improvement Courses for College Students, Assessment of Students' Physical Fitness	0	0				0
总 计 Total							151

VII. 课程设置细化表 Course Programs Table

学科与专业基础课程 Discipline and Specialty foundational Courses 共 36 学分，其中必修 36 学分，限选 0 学分，任选 0 学分 A total credits of 36, including 36 for compulsory courses, 0 for distributional electives and 0 for free electives							
课程类型 Course Type	课程名称 Course Name	课程性质 Nature of Course	总学分 Credits	课内实践 学分 In-class Practice Credits	开课学期 Semester	开课学院 School	备注 Notes
数学与自然科学 基础课 Foundational Courses on Mathematics and Natural Science (专业核心课程 Specialized Core Course)	物理 1: 力学与波 Physics 1: Mechanics and Waves	必修 Compulsory	4.5	1	第 1 学期 1St semester	利兹学院 SWJTU-Leeds Joint School	升级课程
	物理 2: 热学和电磁学 Physics 2: Thermodynamics and Electricity	必修 Compulsory	4.5	1	第 2 学期 2Nd semester	利兹学院 SWJTU-Leeds Joint School	升级课程
	数学 1 Mathematics 1	必修 Compulsory	4.5	0	第 1 学期 1St semester	利兹学院 SWJTU-Leeds Joint School	升级课程
	数学 2 Mathematics 2	必修 Compulsory	4.5	0	第 2 学期 2Nd semester	利兹学院 SWJTU-Leeds Joint School	升级课程
专业基础课 Foundational Courses (专业核心课程 Specialized Core Course)	英语 English for Engineering	必修 Compulsory	18	0	第 1-2 学期 1St -2Nd semester	利兹学院 SWJTU-Leeds Joint School	升级课程

专业课程 Specialized Courses 共 78 学分，其中 30 必修学分，限选 48 学分（第 3,4 学期限选 0 门 0 学分，第 5,6 学期限选 10 门 30 学分，第 7,8 学期限选 6 门 18 学分），任选 0 学分 A total credits of 78 for graduation, including 30 for compulsory courses, 48 for distributional electives and 0 for optional electives							
课程类型 Course Type	课程名称 Course Name	课程性质 Nature of Course	总学分 Credits	课内实践 学分 In-class Practice Credits	开课学期 Semester	开课学院 School	备注 Notes
专业核心课程 Specialized Core Course	基础数学概念 Fundamental Mathematical Concepts	必修 Compulsory	3	2	第 3 学期 3Rd semester	利兹学院 SWJTU-Leeds Joint School	升级课程
	程序设计 Procedural Programming	必修 Compulsory	3	2	第 3 学期 3Rd semester	利兹学院 SWJTU-Leeds Joint School	升级课程
	专业计算 Professional Computing	必修 Compulsory	6	1	第 3 学期 3Rd semester	利兹学院 SWJTU-Leeds Joint School	升级课程
	计算机体系结构 Computer Architecture	必修 Compulsory	3	1	第 3 学期 3Rd semester	利兹学院 SWJTU-Leeds Joint School	升级课程
	Web 程序设计 Programming for the Web	限修 Distributional	3	3	第 3 学期 3Rd semester	利兹学院 SWJTU-Leeds Joint School	
	Web 技术概论 Introduction to Web Technologies	限修 Distributional	3	3	第 3 学期 3Rd semester	利兹学院 SWJTU-Leeds Joint School	
	计算机处理器 Computer Processors	必修 Compulsory	3	1	第 4 学期 4Th semester	利兹学院 SWJTU-Leeds Joint School	升级课程
	数据库 Databases	必修 Compulsory	3	1	第 4 学期 4Th semester	利兹学院 SWJTU-Leeds Joint School	升级课程
	离散数学导论 Introduction to Discrete Mathematics	必修 Compulsory	3	1	第 4 学期 4Th semester	利兹学院 SWJTU-Leeds Joint School	升级课程
	面向对象程序设计 Object Oriented Programming	必修 Compulsory	3	2	第 4 学期 4Th semester	利兹学院 SWJTU-Leeds Joint School	升级课程
	编程项目 Programming Project	必修 Compulsory	3	2	第 4 学期 4Th semester	利兹学院 SWJTU-Leeds Joint School	升级课程
	用户界面 User Interfaces	限修 Distributional	3	2	第 5 学期 5Th semester	利兹学院 SWJTU-Leeds Joint School	
	数值计算 Numerical Computation	限修 Distributional	3	1	第 5 学期 5Th semester	利兹学院 SWJTU-Leeds Joint School	
	算法和数据结构 1 Algorithms and Data Structures 1	限修 Distributional	3	2	第 5 学期 5Th semester	利兹学院 SWJTU-Leeds Joint School	
	软件工程项目 Software Engineering Project	限修 Distributional	3	3	第 5-6 学期 5Th-6Th semester	利兹学院 SWJTU-Leeds Joint School	

专业核心课程 Specialized Core Course	软件工程理论 Software Engineering Principles	限修 Distributional	3	2	第 5 学期 5Th semester	利兹学院 SWJTU-Leeds Joint School	
	形式语言和有限自动机 Formal Languages and Finite Automata	限修 Distributional	3	1	第 5 学期 5Th semester	利兹学院 SWJTU-Leeds Joint School	
	操作系统 Operating Systems	限修 Distributional	3	1	第 5 学期 5Th semester	利兹学院 SWJTU-Leeds Joint School	
	Web 应用开发 Web Application Development	限修 Distributional	3	0	第 5 学期 5Th semester	利兹学院 SWJTU-Leeds Joint School	
	数据挖掘 Data Mining	限修 Distributional	3	1	第 6 学期 6Th semester	利兹学院 SWJTU-Leeds Joint School	
	算法和数据结构 2 Algorithms and Data Structures 2	限修 Distributional	3	1	第 6 学期 6Th semester	利兹学院 SWJTU-Leeds Joint School	
	网络 Networks	限修 Distributional	3	1	第 6 学期 6Th semester	利兹学院 SWJTU-Leeds Joint School	
	人工智能 Artificial Intelligence	限修 Distributional	3	1	第 6 学期 6Th semester	利兹学院 SWJTU-Leeds Joint School	
	社交和移动 Web 应用程序开发 Social and Mobile Web Application Development	限修 Distributional	3	3	第 5,6 学期 5Th,6Th semester	利兹大学 University of Leeds	
	计算机图形学 Computer Graphics	限修 Distributional	3	0	第 7 学期 7Th semester	利兹学院 SWJTU-Leeds Joint School	
	分布式系统 Distributed Systems	限修 Distributional	3	3	第 7 学期 7Th semester	利兹学院 SWJTU-Leeds Joint School	
	机器学习 Machine Learning	限修 Distributional	3	2	第 7 学期 7Th semester	利兹学院 SWJTU-Leeds Joint School	
	安全运算 Secure Computing	限修 Distributional	3	1	第 7 学期 7Th semester	利兹学院 SWJTU-Leeds Joint School	
	用户自适应智能系统 User Adaptive Intelligent Systems	限修 Distributional	3	0	第 7 学期 7Th semester	利兹学院 SWJTU-Leeds Joint School	
	信息可视化 Information Visualization	限修 Distributional	3	1	第 7 学期 7Th semester	利兹大学 University of Leeds	
	图论算法和复杂理论 Graph Algorithms and Complexity Theory	限修 Distributional	3	1	第 7 学期 7Th semester	利兹大学 University of Leeds	
	Web 服务和 Web 数据 Web Services and Web Data	限修 Distributional	3	2	第 8 学期 8Th semester	利兹学院 SWJTU-Leeds Joint School	
	组合优化 Combinatorial Optimisation	限修 Distributional	3	2	第 8 学期 8Th semester	利兹学院 SWJTU-Leeds Joint School	
	并行计算 Parallel Computation	限修 Distributional	3	1	第 8 学期 8Th semester	利兹学院 SWJTU-Leeds Joint School	

	移动应用开发 Mobile Application Development	限修 Distributional	3	2	第 7,8 学期 7Th,8Th semester	利兹大学 University of Leeds	
	智能系统与机器人 Intelligent Systems and Robotics	限修 Distributional	6	2	第 8 学期 8Th semester	利兹大学 University of Leeds	
	密码学 Cryptography	限修 Distributional	3	1	第 8 学期 8Th semester	利兹大学 University of Leeds	
实习实践教学 Practice Course 共 12 学分, 其中必修 12 学分, 限选 0 学分, 任选 0 学分 A total credits of 12, including 12 for compulsory courses, 0 for distributional electives and 0 for free electives							
课程类型 Course Type	课程名称 Course Name	课程性质 Nature of Course	总学分 Credits	课内实践 学分 In-class Practice Credits	开课学期 Semester	开课学院 School	备注 Notes
专业实践 Specialty Practices	数学应用与实践 Application and Practice of Mathematics	必修 Compulsory	0	0	短 1 学期 Short Semester 1	利兹学院 SWJTU-Leeds Joint School	
	概论与认识实习 Introduction and Cognition Practice	必修 Compulsory	0	0	短 1 学期 Short Semester 1	利兹学院 SWJTU-Leeds Joint School	
	英语进阶 Advanced English	必修 Compulsory	0	0	短 2 学期 Short Semester 2	利兹学院 SWJTU-Leeds Joint School	
	专业实习 Specialty Practice	必修 Compulsory	0	0	短 2 学期 Short Semester 2	利兹学院 SWJTU-Leeds Joint School	
	个性化工程实习 Personalized Engineering Practice	必修 Compulsory	0	0	短 3 学期 Short Semester 3	利兹学院 SWJTU-Leeds Joint School	
毕业设计 Graduation Design	毕业设计 Individual Project	必修 Compulsory	12	12	第 7-8 学期 7Th -8Th semester	利兹学院 SWJTU-Leeds Joint School	
附加环节 Additional Part 共 0 学分, 其中必修 0 学分, 限选 0 学分, 任选 0 学分 A total credits of 0, including 0 for compulsory courses, 0 for distributional electives and 0 for free electives							
课程类型 Course Type	课程名称 Course Name	课程性质 Nature of Course	总学分 Credits	课内实践 学分 In-class Practice Credits	开课学期 Semester	开课学院 School	备注 Notes
跨学科课程 Interdisciplinary Courses	工程沟通与交流技巧 Engineering Communication Skills	必修 Compulsory	3	0	第 3-4 学期 3Rd -4Th semester	利兹学院 SWJTU-Leeds Joint School	不做 毕业 学分 要求
	工程沟通与交流技巧 2 Engineering Communication Skills 2	必修 Compulsory	1.5	0	第 5-6 学期 5Th-6Th semester	利兹学院 SWJTU-Leeds Joint School	不做 毕业 学分 要求
公共基础课程 Public Basic Courses 共 25 学分, 其中必修 25 学分, 限选 0 学分, 任选 0 学分 A total credits of 25, including 25 for compulsory courses, 0 for distributional electives and 0 for free electives							

课程类型 Course Type	课程名称 Course Name	课程性质 Nature of Course	总学分 Credits	课内实践 学分 In-class Practice Credits	开课学期 Semester	开课学院 School	备注 Notes
思想政治类 Ideological Politics Courses	思想道德修养与法律基础 The Ideological and Moral Cultivation and Legal Basis	必修 Compulsory	3	0.4	第 1 学期 1St semester	马院 School of Marxism	
	中国近现代史纲要 Conspectus of Chinese Modern History	必修 Compulsory	3	0.4	第 2 学期 2Nd semester	马院 School of Marxism	
	马克思主义基本原理 The Basic Principles of Marxism	必修 Compulsory	3	0.4	第 3 学期 3Rd semester	马院 School of Marxism	
	毛泽东思想和中国特色社会主义理论体系概论 Introduction to Mao Zedong Thought and Theoretical System of Socialism with Chinese Characteristics	必修 Compulsory	3	0.4	第 5 学期 5Th semester	马院 School of Marxism	
	习近平新时代中国特色社会主义思想概论 Outline of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	必修 Compulsory	3	0.4	第 6 学期 6Th semester	马院 School of Marxism	
	形势与政策 I Situation and Policy I	必修 Compulsory	0	0	第 1 学期 1St semester	马院 School of Marxism	
	形势与政策 II Situation and Policy II	必修 Compulsory	0	0	第 2 学期 2Nd semester	马院 School of Marxism	
	形势与政策 III Situation and Policy III	必修 Compulsory	0	0	第 3 学期 3Rd semester	马院 School of Marxism	
	形势与政策 IV Situation and Policy IV	必修 Compulsory	0	0	第 4 学期 4Th semester	马院 School of Marxism	
	形势与政策 V Situation and Policy V	必修 Compulsory	0	0	第 5 学期 5Th semester	马院 School of Marxism	
	形势与政策 VI Situation and Policy VI	必修 Compulsory	0	0	第 6 学期 6Th semester	马院 School of Marxism	
	形势与政策 VII Situation and Policy VII	必修 Compulsory	0	0	第 7 学期 7Th semester	马院 School of Marxism	
	形势与政策 VIII Situation and Policy VIII	必修 Compulsory	2	0	第 8 学期 8Th semester	马院 School of Marxism	
军事类 Military Courses	军事理论 Military Theories	必修 Compulsory	2	0	第 1 学期 1St semester	武装部 Security Office	
	军事技能 Military Skills	必修 Compulsory	2	2	短 1 学期 Short Semester 1	武装部 Security Office	

体育类 Physical Education Courses	体育 I Physical Education I	必修 Compulsory	1	1	第 1 学期 1St semester	体育 School of Sports	
	体育 II Physical Education II	必修 Compulsory	1	1	第 2 学期 2Nd semester	体育 School of Sports	
	体育 III Physical Education III	必修 Compulsory	0.5	0.5	第 3 学期 3Rd semester	体育 School of Sports	
	体育 IV Physical Education IV	必修 Compulsory	0.5	0.5	第 4 学期 4Th semester	体育 School of Sports	
	体育健康课程 I Diversified Physical Education Courses I	必修 Compulsory	0.5	0.5	第 5 学期 5Th semester	体育 School of Sports	
	体育健康课程 II Diversified Physical Education Courses II	必修 Compulsory	0.5	0.5	第 6 学期 6Th semester	体育 School of Sports	
必修环节 A compulsory part 共 0 学分，其中必修 0 学分，限选 0 学分，任选 0 学分 A total credits of 0, including 0 for compulsory courses, 0 for distributional electives and 0 for free electives							
课程类型 Course Type	课程名称 Course Name	课程性质 Nature of Course	总学分 Credits	课内实践 学分 In-class Practice Credits	开课学期 Semester	开课学院 School	备注 Notes
大学生综合素质提升、学生体质达标测评 Comprehensive Quality Improvement Courses for College Students, Assessment of Students' Physical Fitness	大学生综合素质提升（第二、第三课堂） Comprehensive Quality Improvement Courses for College Students (The Second and Third Classroom)	必修 Compulsory	0	0	1-8 学期 1-8 semester	校团委 Communist Youth League Committee	
	学生体质达标测评 Assessment of Students' Physical Fitness	必修 Compulsory	0	0	秋季学期 fall semester	体育 School of Sports	
学分总计 Total Credits			151 学分 151 Credits				