

物流管理专业培养方案

Undergraduate Program of Logistics Management

I. 专业介绍 Introduction

物流管理专业首次开办于 2001 年，依托西南交通大学的交通运输、经济管理、工业工程学科优势逐步发展起来，经教育部批准于 2006 年正式招生。作为西南交通大学构建“交通+”一流学科群的重要组成部分，按照学校扎实建设“轨道交通领域世界第一的大学”，努力实现“交通特色鲜明的综合性研究型一流大学”办学定位，根据《物流管理与工程类教学质量国家标准》，形成了以高水平研究支撑，具有综合交通领域背景，以学生实践能力培养为核心的专业特色。

Logistics management was first established in 2001, and it has developed gradually relying on the advantages of Transportation, Economic management, Industrial engineering and other disciplines of Southwest Jiaotong University. Approved by the ministry of education, it has been officially started enrolling students in 2006. As an important part of the construction of the “Traffic+” first-class discipline group in Southwest Jiaotong University, in accordance with the school orientation of building the “World's No. 1 University in Rail Transit” and “Comprehensive Research-oriented University with Distinctive Traffic Characteristics” as well as the provision of National Standards for Teaching Quality of Logistics Management and Engineering, it has formed a major characteristic which is supported by high-level research, possesses a comprehensive background in the field of transportation, and takes the cultivation of students' practical ability as the core.

专业代码: 120601

Program Code: 120601

专业名称: 物流管理

Program Name: Logistics Management

II. 培养目标 Objectives

物流管理专业致力于培养适应“新时代”发展需求，德、智、体、美、劳全面发展的物流专业化管理人才。以运筹技术与统计技术为支撑，培养既掌握系统

的管理学、经济学理论和分析方法、又具备系统地解决物流与供应链管理实际问题的技能，同时具有深厚人文底蕴、扎实专业知识、宽广国际视野、定量分析与创新创业能力，具备在感兴趣专业领域继续集中研究的能力。物流管理专业“以学生为中心，培养具有良好素质、职业素养和创新思维的物流管理人才”为教育目标。培养能够在国内外企事业单位和政府部门等从事物流与供应链管理、供应链金融以及物流数据分析优化工作的复合型、应用型高素质管理人才。

Logistics management is committed to cultivating logistics professional management talents who are suitable for the development of the "new era" and for the comprehensive development of morality, intelligence, body, beauty and labor. Supported by operational and statistical technology, it develops skills that not only mastering systematic management, economic theory and analytical methods, but also systematically solving practical problems of logistics and supply chain management. At the same time, it fosters the talents with profound humanistic knowledge, solid professional knowledge, broad international vision, quantitative analysis and innovation and entrepreneurial ability as well as the ability to continue to focus on research in areas of interest. The education goal of logistics management major is "Student-centered, cultivating logistics management talents with good quality, professionalism and innovative thinking." Furthermore, it aims to cultivate compound, application-oriented high-quality management personnel who can be engaged in logistics and supply chain management, supply chain finance and logistics data analysis and optimization in domestic and foreign enterprises and government departments.

III.专业毕业要求 Graduation Requirements

物流管理专业的毕业生通过专业学习后，要满足以下知识、技能和素养要求：

Graduates in Logistics management need to meet the requirements of knowledge, skills and literacy after professional research:

1. 思想健康：热爱祖国，充分理解马克思主义毛泽东思想，习近平新时代中国特色社会主义思想，坚持社会主义核心价值观，具有科学的世界观、坚定的政治立场，具备为国家富强、行业发展而奋斗的志向和社会责任感，具有良好的社会公德和法律意识，主动适应新时代社会主义现代化建设和物流行业发展需求。

1. Ideologically Healthy: Loving the motherland, fully understanding Marxism, Mao Zedong Thought and the theory of Xi Jinping Thought on Socialism with Chinese

Characteristics for a New Era. Adhering to the socialist core values and having a scientific world outlook and a firm political stand. Having a sense of social responsibility and ambition to strive for national prosperity and industrial development. Having a good sense of social morality and law, and actively adapts to the needs of socialist modernization construction and the development of logistics industry in the new era.

2. 物流管理知识：具有解决复杂物流与供应链管理问题需要的数学、自然科学、经济、管理基础知识和物流与供应链管理专业知识。

2. Logistics Management Knowledge: To be able to use both basic knowledge of Mathematics, Natural science, Economics as well as Management, and professional knowledge of logistics and supply chain management to solve complex logistics and supply chain management problems.

2.1 具有良好的数学基础，掌握微积分、线性代数、概率和数理统计、数学建模等知识，能运用数学知识完成物流管理问题数学建模。

2.1 To be possessed with a good mathematical foundation, and grasp the knowledge of Calculus, Linear algebra, Probability, Mathematical statistics and Mathematical modeling, etc.; Be able to apply mathematical knowledge to model the logistics management problems.

2.2 掌握管理学、经济学、财务管理学、金融学、项目管理、法律法规等相关的基础知识理论与方法，能够运用相关知识分析社会经济活动的现象及其原因并能提出恰当的解决方案。

2.2 To grasp the basic theories and methods related to Management, Economics, Financial management, Finance, Project management, Laws and regulations; Be able to use relevant knowledge to analyze the phenomena and causes of social economic activities and propose appropriate solutions.

2.3 具备物流与供应链管理专业知识，掌握生产运作管理、采购与供应管理、供应链管理、国际物流、运输与仓储、成本管理与控制、物流金融等专业知识，能够针对企业的实际设计或优化物流系统与供应链系统。

2.3 To be equipped with professional knowledge of logistics and supply chain management; grasp Production and operation management, Procurement and supply chain management, Supply chain management, International logistics, Transportation and storage, Cost management and control, Logistics finance and other professional

knowledge; Be capable of designing or optimizing the logistics system and supply chain system for enterprise.

3. 问题分析：能够应用数学、自然科学、管理学、经济学、财务管理学和物流专业知识的基本原理，识别、表达、并通过文献研究分析复杂物流与供应链管理问题，以获得有效结论。

3. Problems Analyzing: To be able to identify, express, and analyze complex logistics and supply chain management issues through literature research as well as the fundamentals of mathematics, natural science, management, economics, financial management and logistics expertise to achieve effective conclusions.

3.1 具有文献研究分析复杂物流与供应链管理问题的能力。

3.1 To be able to analyze complex logistics and supply chain management issues through literature research.

3.2 具有综合应用数学、自然科学、管理科学和物流专业知识的基本原理，并通过文献研究，识别和论证复杂物流与供应链管理问题。

3.2 To be able to apply fundamentals of mathematics, natural science, management science and logistics expertise, and to identify and demonstrate complex logistics and supply chain management issues through literature research.

4. 设计解决方案：能够设计针对复杂物流与供应链管理问题的解决方案，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. Solutions designing: To be able to design solutions to complex logistics and supply chain management issues, and be innovative in the design process, taking society, health, safety, law, culture and environment and other factors into account.

4.1 通过理论学习和各种实践环节、大学生科研锻炼 SRTTP 和全国物流设计大赛等掌握解决物流管理实践中遇到的各种问题的方法，具备解决实际问题的能力。

4.1 To master the methods in order to solve various problems encountered in logistics management practice and gain the ability to solve practical problems through theoretical study and various practical activities, such as the Student Research Training Program and the National Contest On Logistics Design by University Students.

4.2 设计过程中具有创新精神与创新能力，并考虑社会、健康、安全、法律、文化以及环境等因素

4.2 To be possessed with innovative spirit and ability in the design process, and take society, health, safety, law, culture and environment and other factors into consideration.

5. 研究：能够基于科学原理并采用科学方法对复杂物流与供应链管理问题进行研究。

5. Research: to do the research focuses on complex issues of logistics and supply chain management according to scientific principles and using scientific methods.

5.1 具有能够综合运用专业知识，针对复杂物流与供应链管理问题，设计研究路线的能力。

5.1 Skills to put expertise to full use and to design research routes for the complex issues of logistics and supply chain management;

5.2 具有根据设定研究路线，收集、分析与解释数据，并通过信息综合得到合理有效结论的能力。

5.2 To collect, analyze and evaluate data in accordance with the established research routes and to make rational and effective conclusions by using synthesis of information.

6. 使用现代工具：能够针对复杂物流与供应链管理问题，开发、选择与使用恰当的技术、资源、现代管理工具和信息技术工具。

6. Use advanced tools: to design, select and use the appropriate technologies, resources, leading-edge management tools and information technology tools for the complex logistics and supply chain management issues.

6.1 具有能够运用信息技术工具，信息检索，并结合多种软件系统处理物流管理领域的各种信息，解决相应问题，并理解其局限性的能力。

6.1 To use Information Technology tools, retrieval of information and a wide range of software systems to handle a multitude of logistics management information, solve problems and grasp their limitations.

6.2 能够运用现代管理工具对复杂物流与供应链管理问题进行预测与模拟，并能够理解其局限性。

6.2 To use modern management tools to predict/simulate complex problems in logistics and supply chain management and better understand their limitations.

7. 管理与社会：能够基于物流相关背景知识进行合理分析，评价物流管理实践和复杂物流管理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. Management and society: To be able to make rational analysis based on logistic background knowledge, evaluate logistics management practices and handle complex logistics issue solving program of social responsibility, health, safety, legal and cultural impacts on and comprehension.

7.1 了解物流管理与社会、健康、安全、法律以及文化的关系，并理解应承担的责任。

7.1 To understand the relationship between logistics management and society, health, safety, law, culture and responsibilities.

7.2 在物流管理实践和复杂物流管理问题解决方案设计时，考虑对社会、健康、安全、法律以及文化的影响。

7.2 Take into account social, health, safety, legal and cultural impacts when developing logistics management policies and complex logistics management solutions.

8. 环境和可持续发展：能够理解和评价针对复杂物流管理问题的物流管理实践对环境、社会可持续发展的影响。

8. Environment and Sustainable Development: To understand and evaluate the environmental and social sustainability impacts of logistics management policies on complex logistics management issues.

8.1 具有环境和社会可持续发展意识。

8.1 A sense of environmental and social sustainability

8.2 在物流管理实践中考虑对环境、社会可持续发展的影响。

8.2 Take account of the impact on environmental and social sustainable development in logistics management in practice.

9. 职业规范：具有人文社会科学素养、社会责任感，能够在物流管理实践中理解并遵守管理职业道德和规范，履行责任。

9. Professional norms: to have humanities, social sciences competence and social responsibility help us to better understand and meet management ethics and norms and to perform our responsibilities in logistics management praxis.

9.1 具备人文社科基础知识和社会责任感、政治思想觉悟高。

9.1 To gain knowledge of basic humanities and social sciences, a sense of social responsibility and political idealism.

9.2 具备良好的身体素质和心理素质，身心健康。

9.2 To gain good physical and mental health.

9.3 具有奉献精神、职业道德与素养。

9.3 To have engagement, professional ethics and literacy.

10. 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. Individuals and teams: To have the ability to play the roles of individuals, group members and responsible in a multidisciplinary team.

10.1 具备团队合作精神。

10.1 To have team spirit.

10.2 具有一定的组织管理能力、表达能力和人际交往能力及在团队中发挥作用的能力。

10.2 Ability to organize management, presentations and skills in interpersonal and inter-team situations.

11. 沟通：能够就复杂物流管理问题与业界同行及社会公众进行有效沟通和交流能力。

11. Communication: Ability to effectively communicate with colleagues in and the public regarding complex logistics management issues.

11.1 具有撰写管理论文与研究报告的能力。

11.1 Ability to write research papers and reports

11.2 具有良好的沟通能力、能够陈述发言、清晰表达或回应问题。

11.2 To have good communication skills, ability to give statements, express or answer questions clearly.

11.3 具有国际视野和跨文化的交流、竞争与合作能力。

11.3 To have international and intercultural vision, communication, competitiveness and cooperation skills

12. 项目管理：理解并掌握物流管理原理与经济决策方法，并能在多学科环境中应用。

12. Projects management: Ability to understand and manage the principles of logistics management and business decision-making and implement them in a multidisciplinary environment.

13. 终身学习：具有自主学习和终身学习的意识，有不断学习和适应经济社会发展的能力。

13. Life-long learning: have the consciousness of independent learning and lifelong learning, have the ability of continuous learning and adapting to economic and social development.

13.1 具有自主学习和终身学习的意识。

13.1 To have raise awareness of self-directed learning and lifelong learning.

13.2 有不断学习和适应经济社会发展的能力。

13.2 Ability to keep learning and adjust to socio-economic development.

IV.学制与学位 Duration and Degree

学制：四年

Duration: 4 years

学位：管理学学士

Degree: Bachelor of Management

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

主干学科：物流管理与工程

Main Subject: Logistics Management and Engineering

专业核心课程：物流系统分析与优化、物流系统规划、物流空间学、仓储与配送：建模与算法、生产运作管理、供应链管理、物流技术经济学、供应链金融、国际贸易与物流

Specialized Core Course: Supply Chain Management, Logistics System Analysis and Optimization, Logistics System Planning, Warehousing and Distribution: Modeling and Algorithm, Production Operation Management, Technological Economics of Logistics, Supply Chain Finance, International Trade and Logistics

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		选修 Free Electives		小计 Subtotal
		理论 Theory	实践 Practice	理论 Theory	实践 Practice	理论 Theory	实践 Practice	
公共基础课程 Public Basic Courses	思政类 Ideological Politics Courses	15	2					17
	军事类 Military Courses	2	2					4
	外语类 Foreign Language Courses	6		2				8
	体育类 Physical Education Courses		4					4

通识与 多元化 课程 General Education and Diversified Courses	“交通天下”通识教育课程（含跨学科课程） Core General Education Courses（Interdisciplinary Courses）							
	多元化课程 Diversified Courses							
	国际课程 International Courses					6		6
	大学生心理健康教育课程 University Student Psychological Health Courses							
	学生成长与发展规划课程 Student Growth and Development Planning Courses							
	劳动教育课程 Labor Education Courses	2						2
	公共艺术课程 Public Art Courses	2						2
	新生研讨课 Freshman Seminar	1						1
学科与 专业基 础课程 Discipline and Specialty Foundational Courses	数学类 Mathematics Courses	18						18
	物理类 Physics Courses	3	1					4
	计算机基础类 Basic Computer Courses	3.5	2.5					6
	专业基础课 Professional Foundational Courses	18	1					19
专业教育课程 Specialized Courses	专业核心课 Specialized Core Course	19	1					20
	专业限选课 Specialized Restricted Courses			11-12	0-1			12
实践教学环节 Practice Courses	集中性实践教学环节：基本技能训练、工程实践、综合课程设计、社会与文化素质和实践、毕业实习与毕业设计 Centralized Practical Teaching Process: Basic Skills Training, Practical Training, Integrated Curriculum Design, Social and Cultural Quality Practice, Graduation Internship and Graduation Design		20.5					20.5

	创新创业实践：创新创业训练计划项目、个性化实验、学科竞赛、创新讲座等 Innovation and Entrepreneurship Practice: Innovation and Entrepreneurship Training Program, Personalized Experiments, Subject Competition, Innovation Lectures, etc		2					2
必修环节 A Compulsory Part	“第二课堂”项目：思想政治与道德素养类项目、学术科技与创新创业类项目、艺术体验与审美修养类项目、文化沟通与交往能力类项目、心理素质与身体素质类项目、社会工作与领导能力类项目、社会实践与志愿服务类项目 "The Second Lesson" Project: Ideological and Political Education and Moral Literacy Projects, Academic and Technological Innovation and Entrepreneurship Projects, Art Experience and Aesthetic Education Projects, Cultural Communication and Interpersonal Skills Projects, Psychological and Physical Health Projects, Social Work and Leadership Development Projects, Social Practice and Volunteering Projects	0						0
	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
	总 计 Total							145.5

VII.课程设置细化表 Course Programs Table

公共基础课程 Public Basic Courses								
共 33 学分，其中必修 31 学分，限修 2 学分，选修 0 学分 A total credits of 33, including 31 for compulsory courses, 2 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	支撑毕业要求 指标点 Indicators which Support Graduation Requirements	备注 Notes
思政类 Ideological Politics Courses	思想道德与法治 Ideological and Moral Education and the Rule of Law	必修 Compulsory	3	0.4	第 1 学期 Semester 1	马克思主义学院 School of Marxism	1,7,8,9	
	中国近现代史纲要 Conspectus of Chinese Modern History	必修 Compulsory	3	0.4	第 2 学期 Semester 2	马克思主义学院 School of Marxism	1,7,8,9	
	马克思主义基本原理 The Basic Principles of Marxism	必修 Compulsory	3	0.4	第 3 学期 Semester 3	马克思主义学院 School of Marxism	1,7,8,9,13	
	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 4 学期 Semester 4	马克思主义学院 School of Marxism	1,7,8,9,13	
	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 Semester 6	马克思主义学院 School of Marxism	1-13	
	形势与政策 I Situation and Policy I	必修 Compulsory	0		第 1 学期 Semester 1	马克思主义学院 School of Marxism	1,7,8,9,10	
	形势与政策 II Situation and Policy II	必修 Compulsory	0		第 2 学期 Semester 2	马克思主义学院 School of Marxism	1,7,8,9,10	
	形势与政策 III Situation and Policy III	必修 Compulsory	0		第 3 学期 Semester 3	马克思主义学院 School of Marxism	1,7,8,9,10	
	形势与政策 IV Situation and Policy IV	必修 Compulsory	0		第 4 学期 Semester 4	马克思主义学院 School of Marxism	1,7,8,9,10	
	形势与政策 V Situation and Policy V	必修 Compulsory	0		第 5 学期 Semester 5	马克思主义学院 School of Marxism	1,7,8,9,10	
	形势与政策 VI Situation and Policy VI	必修 Compulsory	0		第 6 学期 Semester 6	马克思主义学院 School of Marxism	1,7,8,9,10	

	形势与政策Ⅶ Situation and Policy Ⅶ	必修 Compulsory	0		第 7 学期 Semester 7	马克思主义学院 School of Marxism	1,7,8,9,10	
	形势与政策Ⅷ Situation and Policy Ⅷ	必修 Compulsory	2		第 8 学期 Semester 8	马克思主义学院 School of Marxism	1,7,8,9,10	
军事类 Military Courses	军事理论 Military Theories	必修 Compulsory	2		第 1 学期 Semester 1	武装部 Security Office	9,10,11	
	军事技能 Military Skills	必修 Compulsory	2	2	短 1 学期 Short Semester 1	武装部 Security Office	9,10,11	
外语类 Foreign Language Courses	英语 I College English I	必修 Compulsory	2		第 1 学期 Semester 1	外国语学院 School of Foreign languages	11,13	
	英语 II College English II	必修 Compulsory	2		第 2 学期 Semester 2	外国语学院 School of Foreign languages	11,13	
	通用学术英语 English for General Academic Purposes	必修 Compulsory	2		第 3 学期 Semester 3	外国语学院 School of Foreign languages	3,5,11,13	
	职场英语 Workplace English	限修 Distribution al Elective	2		第 4 学期 Semester 4	外国语学院 School of Foreign languages	3,9,11,13	限修 1 门, 2 学分 Limited to 1 course, 2 credits
	交际与文化视听说 Viewing, Listening & Speaking in English -- Communication & Culture							
	语言、文化与翻译 Language, Culture and Translation							
	英语公共演讲 Public Speaking in English							
体育类 Physical Education Courses	体育 I Physical Education I	必修 Compulsory	1	1	第 1 学期 Semester 1	体育学院 School of Physical Education	8,10,11	
	体育 II Physical Education II	必修 Compulsory	1	1	第 2 学期 Semester 2	体育学院 School of Physical Education	8,10,11	
	体育 III Physical Education III	必修 Compulsory	0.5	0.5	第 3 学期 Semester 3	体育学院 School of Physical Education	8,10,11	
	体育 IV Physical Education IV	必修 Compulsory	0.5	0.5	第 4 学期 Semester 4	体育学院 School of Physical Education	8,10,11	
	体育健康课程 I Diversified Physical Education Courses I	必修 Compulsory	0.5	0.5	第 5 学期 Semester 5	体育学院 School of Physical Education	8,10,11	
	体育健康课程 II Diversified Physical Education Courses II	必修 Compulsory	0.5	0.5	第 6 学期 Semester 6	体育学院 School of Physical Education	8,10,11	

通识与多元化课程 General Education and Diversified Courses 共 11 学分，其中必修 5 学分，限修 0 学分，选修 6 学分 A total credits of 11, including 5 for compulsory courses, 0 for distributional electives and 6 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	支撑毕业要求 指标点 Indicators which Support Graduation Requirements	备注 Notes
“交通天下”通识教育课程（含跨学科课程） Core General Education Courses (Interdisciplinary Courses)	“交通天下”通识教育课程（含跨学科课程） Core General Education Courses (Interdisciplinary Courses)	选修 Free Elective	6		2-8 学期 Semester 2-8	全校 The whole school	7,8,9,10	
多元化课程 Diversified Courses	多元化课程 Diversified Courses				2-8 学期 Semester 2-8	全校 The whole school	3,4,5,6,9,10,11	
国际课程 International Courses	国际课程 International Courses				2-8 学期 Semester 2-8	全校 The whole school	6,7,8,11	
大学生心理健康教育课程 University Student Psychological Health Courses	大学生心理健康教育课程 University Student Psychological Health Courses				2-8 学期 Semester 2-8	全校 The whole school	9	
学生成长与发展规划课程 Student Growth and Development Planning Courses	学生成长与发展规划课程 Student Growth and Development Planning Courses				2-8 学期 Semester 2-8	全校 The whole school	7,8,9,11,13	
劳动教育课程 Labor Education Courses	劳动教育课程 Labor Education Courses	必修 Compulsory	2		2-8 学期 Semester 2-8	全校 The whole school	3,4,5,10,11,12	
公共艺术课程 Public Art Courses	公共艺术课程 Public Art Courses	必修 Compulsory	2		2-8 学期 Semester 2-8	全校 The whole school	3,4,5,10,11,12	
新生研讨课 Freshman Seminar	物流简话 Introduction to Logistics	必修 Compulsory	1		第 1 学期 Semester 1	交通运输与物流学院 School of Transportation and Logistics	3,7,8,9,13	

学科与专业基础课程 Discipline and Specialty foundational Courses 共 47 学分，其中必修 47 学分，限修 0 学分，选修 0 学分 A total credits of 47, including 47 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	支撑毕业要求指标点 Indicators which Support Graduation Requirements	备注 Notes
数学类 Mathematics Courses	高等数学 I Calculus I	必修 Compulsory	5		第 1 学期 semester 1	数学学院 School of Mathematics	2,3,5	
	高等数学 II Calculus II	必修 Compulsory	5		第 2 学期 semester 2	数学学院 School of Mathematics	2,3,5	
	线性代数 B Linear Algebra B	必修 Compulsory	3		第 1 学期 semester 1	数学学院 School of Mathematics	2,3,5	
	概率论与数理统计 Probability Theory and Mathematical Statistics	必修 Compulsory	3		第 3 学期 semester 3	数学学院 School of Mathematics	2,3,5	
	数学建模 Mathematical Modeling	必修 Compulsory	2		第 2 学期 semester 2	数学学院 School of Mathematics	2,3,5,13	
物理类 Physics Courses	大学物理 BI Fundamentals of Physics BI	必修 Compulsory	3		第 2 学期 semester 2	物理科学与技术学院 School of Physics	7,8,13	
	大学物理实验 I College Physics Experiments I	必修 Compulsory	1	1	第 2 学期 semester 2	物理科学与技术学院 School of Physics	7,8,13	
计算机基础类 Basic Computer Courses	计算机程序设计基础 Fundamentals of Computer Programming	必修 Compulsory	3	1	第 1 学期 semester 1	计算机与人工智能学院 School of Computing and Artificial Intelligence	5,6,13	
	数据结构与算法分析 Data Structure and Algorithmic Analysis	必修 Compulsory	3	1.5	第 2 学期 semester 2	交通运输与物流学院 School of Transportation and Logistics	5,6,13	

专业基础课 Professional Foundational Courses	运筹学 I B Operational Research I B	必修 Compulsory	2		第 3 学期 semester 3	交通运输与 物流学院 School of Transportati on and Logistics	3,4,5	
	运筹学 II B Operational Research I B	必修 Compulsory	2		第 4 学期 semester 4	交通运输与 物流学院 School of Transportati on and Logistics	3,4,5	
	运筹学实验 B Operational Research Experiment B	必修 Compulsory	1	1	第 4 学期 semester 4	交通运输与 物流学院 School of Transportati on and Logistics	3,4,5	
	管理学原理 A Fundamentals of Management	必修 Compulsory	2		第 3 学期 semester 3	交通运输与 物流学院 School of Transportati on and Logistics	2,3,4,12	
	商品流通学 Theory of Commodities Circulation	必修 Compulsory	2		第 3 学期 semester 3	交通运输与 物流学院 School of Transportati on and Logistics	2,3,4	
	数据科学 Data Science	必修 Compulsory	2		第 4 学期 semester 4	交通运输与 物流学院 School of Transportati on and Logistics	3,5,6,13	
	货物运输组织 C Freight Transportation Organization C	必修 Compulsory	2		第 4 学期 semester 4	交通运输与 物流学院 School of Transportati on and Logistics	2,5,8	
	物流系统分析与优化 Logistics System Analysis and Optimization	必修 Compulsory	2		第 5 学期 semester 5	交通运输与 物流学院 School of Transportati on and Logistics	2,3,4	
	经济学原理 Economics	必修 Compulsory	2		第 3 学期 semester 3	经济管理学院 School of Economics and Managemen t	2,3,4	
	财务管理学 Financial Management	必修 Compulsory	2		第 4 学期 semester 4	交通运输与 物流学院 School of Transportati on and Logistics	2,3,5,13	

专业教育课程 Specialized Courses 共 32 学分，其中必修 20 学分，限修 12 学分，选修 0 学分 A total credits of 32, including 20 for compulsory courses, 12 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	支撑毕业要求指标点 Indicators which Support Graduation Requirements	备注 Notes
专业核心课 Specialized Core Course	生产运作管理 Production Operation Management	必修 Compulsory	2		第 4 学期 semester 4	交通运输与物流学院 School of Transportation and Logistics	3,4,5,7	
	物流信息管理 Logistics Information Management	必修 Compulsory	2		第 4 学期 semester 4	交通运输与物流学院 School of Transportation and Logistics	2,6,13	
	仓储与配送：建模与算法 Warehousing and Distribution: Modeling and Algorithm	必修 Compulsory	2		第 5 学期 semester 5	交通运输与物流学院 School of Transportation and Logistics	2,3,4,5,12	
	物流空间学 Logistics Spatial Science	必修 Compulsory	2		第 5 学期 semester 5	交通运输与物流学院 School of Transportation and Logistics	2,3,5	
	供应链管理 A Supply Chain Management	必修 Compulsory	3		第 6 学期 semester 6	交通运输与物流学院 School of Transportation and Logistics	2,3,4,5	
	国际贸易与物流 International Trade and Logistics	必修 Compulsory	2	0.5	第 6 学期 semester 6	交通运输与物流学院 School of Transportation and Logistics	2,7,13	
	物流技术经济学 Technological Economics of Logistics	必修 Compulsory	2	0.5	第 5 学期 semester 5	交通运输与物流学院 School of Transportation and Logistics	2,3,7,8	
	供应链金融 Supply Chain Finance	必修 Compulsory	2		第 6 学期 semester 6	交通运输与物流学院 School of Transportation and Logistics	2,3,5,7,9,12	
	物流系统规划 Logistics System Planning	必修 Compulsory	3		第 6 学期 semester 6	交通运输与物流学院 School of Transportation and Logistics	2,3,4,5	

专业限修课 Specialized Restricted Courses	专业发展模块 Professional Development Module							1.专业发展模块至少6学分 Professional Development Module No less than 6 2.安全模块至少2学分 Safety Module No less than 2 3. 前沿模块至少2学分 Cutting-edge Module No less than 2 4.达到各模块限修最低要求学分后,可在其他未修课程中选修,总学分达到12学分 After reaching the minimum required credits for each module, other courses can be taken, with a total of 12 credits
	采购与供应 Procurement and Supply	限修 Distributional Elective	2		第6学期 semester 6	交通运输与物流学院 School of Transportation and Logistics	2,3,5	
	项目管理(物流) Project Management (Logistics)		2		第7学期 semester 7	交通运输与物流学院 School of Transportation and Logistics	10,11,12	
	公文写作 Official Document Writing		1		第6学期 semester 6	交通运输与物流学院 School of Transportation and Logistics	9,11	
	物流中心规划与设计 Logistics Center Planning and Design		3		第5学期 semester 5	交通运输与物流学院 School of Transportation and Logistics	3,4,5	
	集装箱与多式联运 Container and Intermodal Transportation		1		第7学期 semester 7	交通运输与物流学院 School of Transportation and Logistics	2,4	
	物流法律法规 Logistics Laws		2		第5学期 semester 5	交通运输与物流学院 School of Transportation and Logistics	7,8,9	
	物流专业英语 Professional English for Logistics		2		第6学期 semester 6	交通运输与物流学院 School of Transportation and Logistics	9,11,13	
	计算机模拟 Computer Simulation		2		第5学期 semester 5	交通运输与物流学院 School of Transportation and Logistics	3,5	
	预测与决策方法 Forecasting and Decision-making Method		2		第5学期 semester 5	交通运输与物流学院 School of Transportation and Logistics	4,6	
	凸优化理论与交通网络分析 Convex optimization and transport network analysis		2		第7学期 semester 7	交通运输与物流学院 School of Transportation and Logistics	4,6	

专业限选课 Specialized Restricted Courses	安全模块 Safety Module						
	通用安全技术与职业健康 General Safety Technology and Occupational Health	限修 Distributional Elective	2		第 7 学期 semester 7	交通运输与 物流学院 School of Transportati on and Logistics	4,7,8
	危险货物运输组织与管理 Transport and Management of Dangerous Goods		2		第 6 学期 semester 6	交通运输与 物流学院 School of Transportati on and Logistics	2,3,8,9
	事故调查与应急管理 Accident Investigation and Emergency Management		3	0.5	第 6 学期 semester 6	交通运输与 物流学院 School of Transportati on and Logistics	2,3,5,7
	前沿模块 Cutting-edge Module						
	人工智能与机器学习 AI and Machine Learning	限修 Distributional Elective	3	0.5	第 7 学期 semester 7	交通运输与 物流学院 School of Transportati on and Logistics	5,6
	智能交通系统 Intelligent Transportation System		2		第 6 学期 semester 6	交通运输与 物流学院 School of Transportati on and Logistics	6,8,13
	智慧物流技术与方法 Intelligent Logistics Technology and Management		2		第 5 学期 semester 5	交通运输与 物流学院 School of Transportati on and Logistics	3,4,6,8,10
	高速铁路运输组织基础 High Speed Railway Transportation Organization		2		第 7 学期 semester 7	交通运输与 物流学院 School of Transportati on and Logistics	6,8,13

实践教学环节 Practice Courses 共 22.5 学分，其中必修 22.5 学分，限修 0 学分，选修 0 学分 A total credits of 22.5, including 22.5 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	支撑毕业要求 指标点 Indicators which Support Graduation Requirements	备注 Notes
集中性实践教学环节：基本技能培训、工程实践、综合课程设计、社会与文化素质和实践、毕业实习与毕业设计 Centralized Practical Teaching Process: Basic Skills Training, Practical Training, Integrated Curriculum Design, Social and Cultural Quality Practice, Graduation Internship and Graduation Design	创新基础实习 Innovation Foundation Internship	必修 Compulsory	1.5	1.5	短 1 学期 Short Semester 1	交通运输与物流学院 School of Transportation and Logistics	3,4,5,6,9,10,11,12,13	
	认识实习（物流） Cognition Practice	必修 Compulsory	1.5	1.5	短 2 学期 Short Semester 2	交通运输与物流学院 School of Transportation and Logistics	7,9,10,11	
	生产实习（物流） Specialized Production Practice	必修 Compulsory	2	2	短 3 学期 Short Semester 3	交通运输与物流学院 School of Transportation and Logistics	7,9,10,11,12	
	物流信息管理实验 Logistics Information management Experiment	必修 Compulsory	1	1	第 5 学期 semester 5	交通运输与物流学院 School of Transportation and Logistics	3,5,6	
	物流系统仿真实验 Logistics System Simulation	必修 Compulsory	1	1	第 7 学期 semester 7	交通运输与物流学院 School of Transportation and Logistics	3,5,6	

集中性实践教学环节：基本技能训练、工程实践、综合课程设计、社会与文化素质和实践、毕业实习与毕业设计 Centralized Practical Teaching Process: Basic Skills Training, Practical Training, Integrated Curriculum Design, Social and Cultural Quality Practice, Graduation Internship and Graduation Design	物流成本核算与应用 Logistics Cost Accounting and Application	必修 Compulsory	1	1	第 5 学期 semester 5	交通运输与物流学院 School of Transportation and Logistics	2,4,5,11	
	物流与供应链管理方案设计 Logistics and Supply Chain System Design	必修 Compulsory	2	2	第 6 学期 semester 6	交通运输与物流学院 School of Transportation and Logistics	3,4,5,10,11,12	
	供应链建模实验 Supply Chain Modeling Experiment	必修 Compulsory	0.5	0.5	第 6 学期 semester 6	交通运输与物流学院 School of Transportation and Logistics	3,4,6	
	物流经济与金融决策分析 Logistics Economic and Financial Decision Analysis	必修 Compulsory	2	2	第 7 学期 semester 7	交通运输与物流学院 School of Transportation and Logistics	3,4,5,11,12	
	毕业设计（论文） Graduation Dissertation	必修 Compulsory	8	8	第 8 学期 semester 8	交通运输与物流学院 School of Transportation and Logistics	3,4,5,6,11,13	
创新创业实践：创新创业训练计划项目、个性化实验、学科竞赛、创新讲座等 Innovation and Entrepreneurship Practice: Innovation and Entrepreneurship Training Program, Personalized Experiments, Subject Competition, Innovation Lectures, etc	创新创业实践 Innovation and Entrepreneurship Practice	必修 Compulsory	2	2	第 8 学期 Semester 8	交通运输与物流学院 School of Transportation and Logistics	3,4,5,6,11,12,13	

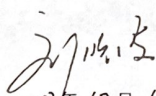
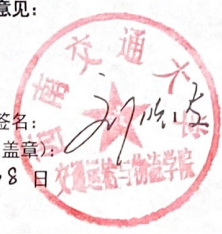
必修环节 A compulsory part 共 0 学分，其中必修 0 学分，限修 0 学分，选修 0 学分 A total credits of 0, including 0 for compulsory courses, 0 for distributional electives and 0 for free electives								
课程类型 Course Type	课程名称 Course Name	课程性质 Nature of Course	总学分 Credits	课内实践学分 In-class practice credits	开课学期 Semester	开课学院 School	支撑毕业要求指标点 Indicators which Support Graduation Requirements	备注 Notes
“第二课堂”项目：思想政治与道德素养类项目、学术科技与创新创业类项目、艺术体验与审美修养类项目、文化沟通与交往能力类项目、心理素质与身体素质类项目、社会工作与领导能力类项目、社会实践与志愿服务类项目 "The Second Lesson" Project: Ideological and Political Education and Moral Literacy Projects, Academic and Technological Innovation and Entrepreneurship Projects, Art Experience and Aesthetic Education Projects, Cultural Communication and Interpersonal Skills Projects, Psychological and Physical Health Projects, Social Work and Leadership Development Projects, Social Practice and Volunteering Projects	“第二课堂”项目 "The Second Lesson" Project	必修 Compulsory	0		1-8 学期 Semester 1-8	校团委 Communist Youth League Committee	9,10,11,13	

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 Comprehensive Quality Improvement Courses for College Students	必修 Compulsory	0		1-8 学期 Semester 1-8	校团委 Communist Youth League Committee	9,10,11,13	
	学生体质达标测评 Assessment of Students' Physical Fitness	必修 Compulsory	0		秋季学期 Fall semester	体育学院 School of Physical Education	9,10	
学分总计 Total Credits			145.5					

西南交通大学培养方案变更申请表

申请单位		专业（方向）			涉及年级		涉及学生人数	
交通运输与物流学院		物流管理			2023		0	
课程名称	课程编码	课程学分	选修性质	开课学期	变更内容	变更原因		
物流简话		1	必修	1	课程名称变更为“物流简话B”	学分较上一版培养方案无升降，与既有教务系统中课程名称重复，在数据库中有冲突，需做区分		
人工智能与机器学习		3	必修	5	课程名称变更为“人工智能与机器学习A”	学分较上一版培养方案增加1学分，与既有教务系统中课程名称重复，在数据库中有冲突，需做区分		
仓储与配送：建模与算法		2	必修	5	课程名称变更为“仓储与配送-建模与算法”	课程名称不能使用		
本专业专家论证意见（可另附表）：								
专业负责人意见： 专业负责人签名：[Signature] 2023年10月12日				教授委员会意见： 经***年*月*日教授委员会讨论，与会委员表决情况如下： 教授委员会主任签名：[Signature] 2023年10月12日			学院/中心 意见： 院长/主任 签名：[Signature] 学院/中心（盖章）：[Stamp] 2023年10月12日	
开课学院/中心 意见：（如变更课程非本单位需要填写本栏） 开课单位教学负责人 签名：[Signature] 2023年10月13日								

西南交通大学培养方案变更申请表

申请单位		专业（方向）			涉及年级	涉及学生人数
交通运输与物流学院		物流管理			2023 级	0
课程名称	课程编码	课程学分	选修性质	开课学期	变更内容	变更原因
物流信息管理实验		1	必修	5	课程名称变更为“物流信息管理实验 B”	学分较上一版培养方案有压缩，与既有教务系统中课程名称重复，在数据库中有冲突，需做区分
事故调查与应急管理		3	限选	6	课程名称变更为“事故调查与应急管理 A”	学分较上一版培养方案有增加，与既有教务系统中课程名称重复，在数据库中有冲突，需做区分
本专业专家论证意见（可另附表）：						
专业负责人意见：  专业负责人签名：2023年 10月 18 日		教授委员会意见： 经***年*月*日教授委员会讨论，与会委员表决情况如下：  教授委员会主任签名：2023年 10月 18 日			学院/中心 意见：  院长/主任 签名： 学院/中心（盖章）：2023年 10月 18 日	
开课学院/中心 意见：（如变更课程非本单位需要填写本栏）						
开课单位教学负责人 签名：  2023年 10月 18 日						