

# 信息管理与信息系统专业辅修培养方案

## Information Management and Information System

### 一、培养目标 Objectives

本专业培养掌握现代管理学、经济学理论知识，信息科学与技术知识，综合素质好，学科基础宽厚，专业基础扎实，具有国际视野和创新意识，具备融合经济学、管理学及信息科学与技术等学科知识解决各类组织管理问题的专业核心能力，能在政府管理部门、工商企业、金融机构、科研单位等从事信息资源管理，商业软件或信息系统开发和维护，以及基于信息与信息技术的业务分析与优化、管理咨询与创新的复合型高级管理人才。

This major cultivates compound senior management talents who master modern management science, economic theory, information science and technical knowledge, have good comprehensive quality, broad academic foundation, solid professional foundation, international vision and innovation consciousness, have the professional core competence of integrating economics, management and information science and technology to solve various organizational management problems, can be engaged in information management, commercial software or information system development and maintenance in government management departments, industrial and commercial enterprises, financial institutions, research institutions, as well as business analysis and optimization based on information and information technology, management consulting and innovation.

### 二、培养要求 Requirement

(1) 知识结构要求：本专业学生应掌握以下几方面知识。

Knowledge structure requirements: Students in this major should master the following aspects.

- 基础知识。包括数理分析，领导与组织管理，交流与协作，创新思维等方面知识。

Basic knowledge. Including mathematical analysis, leadership and organizational

management, communication and collaboration, innovative thinking and other aspects of knowledge.

- 业务领域知识。包括经济学基础，管理学基础，工商管理理论与方法，企业运作管理，法律，工程技术等方面知识。

Business domain knowledge. Including economics, management, business management theory and methods, business operations management, law, engineering and other aspects of knowledge.

- 信息技术知识。包括 IT 基础设施与架构，计算与编程，数据组织与管理。

Information technology knowledge. Including IT infrastructure and architecture, computing and programming, data organization and management.

- 信息系统与信息管理知识。包括信息系统设计与实现，信息系统管理，信息战略，信息资源管理等知识。

Information system and information management knowledge. Including information system design and implementation, information system management, information strategy, information resource management and other knowledge

(2) 能力结构要求：本专业学生应掌握以下几方面能力。

Ability structure requirements: Students in this major should master the following aspects.

- 本专业学生应具备融合以上各方面知识，分析不同类型组织，特别是企业，所面临的不同层面的管理问题，创新性提出并实施信息化解决方案的能力；

Students of this major should have the ability to integrate all the above aspects, analyze the different levels of management issues faced by different types of organizations, especially enterprises, and innovatively propose and implement information solutions;

- 具备良好的组织管理能力，团队协作能力；

Good organizational management and teamwork skills;

- 具备拓展学习能力；

Ability to expand learning;

(3) 素质结构要求：本专业学生应具备良好的思想道德、职业道德、文化素质和健康的心智。

Quality structure requirements: Students in this major should have good ideological

and moral, professional ethics, cultural quality and healthy mind.

### 三、学分要求 Credits Requirements

选本专业为辅修专业的学生应修学本专业的 30 学分核心必修课, 并符合《西南交通大学本科生辅修与双学位管理办法》规定者, 方可颁发本专业辅修证书。

Students who choose this major as a minor should take the 30-credit of required core course of this major and comply with the provisions of the "Measures for the Management of Minor and Double Degrees for Undergraduates of Southwest Jiaotong University" before issuing the minor certificate of this major.

### 四、课程设置 Course Programs

课程类型 Course Type	课程名称 Course Name	课程性质 Nature of Course	学分 Credits	开课学期 Semester	开课学院 School	备注 Notes
专业基础课程 Professional Foundational Courses (必修 9 学分)	管理学原理 Fundamentals of Management	必修 Compulsory	3	第 1 学期 Semester 1	经管学院 School of Economics and Management	
	微观经济学 Microeconomics	必修 Compulsory	3	第 1 学期 Semester 1	经管学院 School of Economics and Management	
	应用统计 Statistics Application	必修 Compulsory	3	第 3 学期 Semester 3	经管学院 School of Economics and Management	
专业核心课程 Specialized Core Course (必修 15 学分)	互联网应用程序设计 Internet Application Programing	必修 Compulsory	3	第 4 学期 Semester 4	经管学院 School of Economics and Management	
	管理信息系统 Management Information System	必修 Compulsory	3	第 6 学期 Semester 6	经管学院 School of Economics and Management	
	数据挖掘 A Data Mining A	必修 Compulsory	3	第 5 学期 Semester 5	经管学院 School of Economics and Management	
	ERP 原理及应用 Principle & Application of Enterprise Resources Planning	必修 Compulsory	3	第 4 学期 Semester 4	经管学院 School of Economics and Management	
	信息系统项目管理 Information Systems Project Management	必修 Compulsory	3	第 6 学期 Semester 6	经管学院 School of Economics and Management	

<b>专业限修课程</b> <b>Specialized</b> <b>Restricted</b> <b>Courses</b> <b>(限修 6 学分)</b>	移动商务应用开发 Application Development of Mobile Commerce	限修 Distributional Elective	3	第 5 学期 Semester 5	经管学院 School of Economics and Management	
	人工智能 Artificial Intelligence		3	第 6 学期 Semester 6	经管学院 School of Economics and Management	
	商业数据分析 Business Analytics		3	第 6 学期 Semester 6	经管学院 School of Economics and Management	
<b>总学分</b> <b>Total Credits</b>			30			