

信息管理与信息系统专业培养方案

专业名称与代码：信息管理与信息系统 120102

专业培养目标：

本专业培养具备现代管理学理论基础、计算机科学技术与应用、系统科学思想、信息系统分析与设计方法、信息管理与大数据分析等方面的知识和能力，能在国家各级管理部门、工商企业、金融机构、科研单位等部门从事信息管理以及信息系统分析设计，实施管理和评价。

专业毕业要求：

1. 具备信息管理、大数据分析的基本理论和基本知识；
2. 掌握管理信息系统的分析方法，设计方法和实现技术；
3. 具备信息组织、分析研究、传播与开发利用的基本能力；
4. 具备综合应用所学知识分析和解决问题的能力；
5. 关注本专业相关领域的发展动态；
6. 掌握文献检索、资料查询收集的基本方法，具有一定的科研与实际工作能力；
7. 熟练、规范使用普通话、规范汉字，熟练掌握一门外国语进行专业领域知识的学习与翻译。

毕业要求实现及途径：

序号	毕业要求	实现途径（教学过程）
1	具备信息管理和信息系统的基本理论和基本知识	① 课堂教学： 管理学、经济学、计算机科学相关课程的学习。 ② 课外学习： 相关课程的延伸学习以及专业前沿知识的学习、阅读。
2	掌握管理信息系统的分析方法，设计方法和实现技术	① 课堂教学： 信息系统分析与设计、电子商务网站开发、软件工程。决策支持系统等课程的教学与学习以及相关课程设计、教学实习、实训环节等。 ② 课外学习： 大量的程序设计训练、相关课程延伸模块的学习与阅读，学术讲座、校外专家进入课堂等形式。
3	具备信息组织、分析研究、传播与开发利用的基本能力	① 课堂教学： 信息存储、信息组织、信息资源管理、信息系统战略等相关课程的教学。 ② 课外学习： 信息意识与信息系统战略的培养，相关知识前沿意识的养成，学术讲座、校外专家进入课堂等形式。
4	具备综合应用所学知识分析和解决问题的能力	① 课堂教学： 信息系统分析与设计、数据分析实训、电子商务网站开发实训、系统模拟等课程。 ② 课外学习： 软件工程、课外系统实践等。
5	关注本专业相关领域的发展动态	① 课堂教学： 管理学科专业概论、信息系统分析与设计、电子商务、商务智能。

序号	毕业要求	实现途径（教学过程）
		② 课外学习 ：学术讲座、相关文献检索、参与教师科研项目。
6	掌握文献检索、资料查询收集的基本方法，具有一定的科研与实际工作能力	① 课堂教学 ：信息组织、信息存储与检索、信息系统战略管理、ERP 原理与应用、供应链与物流管理等课程。 ② 课外学习 ：大量文献阅读、科技报告会、参与教师科研项目。
7	熟练、规范使用普通话、规范汉字，熟练掌握一门外语进行专业领域知识的学习与翻译。	① 课堂教学 ：大学英语、选修中文课程、经济应用文写作等课程。 ② 课外学习 ：演讲比赛、科技论文报告会等。

主干学科：管理学、计算机科学与技术。

专业核心课程：管理学、西方经济学、会计学、市场营销学、应用统计、运筹学、数据结构与数据库、计算机网络、电子商务、信息资源管理、信息系统分析与设计、ERP 原理与应用、电子商务网站开发。

主要专业实验：C 语言程序设计、管理软件实习、电子商务网站开发实训、数据分析工具软件实训、毕业设计。

主要实践性教学环节：程序设计课程设计、管理软件实习、电子商务网站开发实训、数据分析工具软件实训、教学实习、毕业实习。

修业年限：四年。

授予学位：管理学学士。

相近专业：管理科学、计算机科学与技术。

Program For Information Management and Information System

Specialty and Code: Information Management and Information System 120102

Education Objective:

Cultivates the knowledge of computer science and technology, modern management, system science theory, information system analysis and design, information management and big data analysis, and builds the skill and ability to work at all levels in China of management departments, industrial and commercial enterprises, financial institutions, research agencies and other departments engaged in information management and information system analysis and design, management and evaluation.

Graduation Requirements:

1. To grasp basic theories and knowledge of information management and information systems;
2. To grasp analyzing and designing methods and implementation techniques about information management systems;
3. To have basic capabilities about information organizing, analyzing, researching, communication, developing and utilizing information;
4. To have basic capabilities to analyze and solve problems by comprehensively applying the knowledge learnt;
5. To know about the latest developments in the related areas of this major;
6. To grasp basic methods of literature indexing and collection, with considerable research and practical work capabilities;
7. To be able to proficiently speak Putonghua (Mandarin) and Standard Chinese Characters, Master a foreign language in the field of professional learning and translation.

Graduation requirements and ways to achieve:

No.	Graduation requirements	Ways to achieve (teaching process)
1	With Information management and information system of basic theories and knowledge	<p>①Classroom Teaching: Management, economics, computer science and related courses.</p> <p>②Out-of-class Learning: extension of courses related to learning and knowledge at the forefront of professional learning, and reading.</p>
2	To master the methods of management information system analysis, design method and realization technology	<p>①Classroom Teaching: Information system analysis and design, e-commerce website development, software engineering, decision support systems such as teaching and learning as well as the relevant course design, practice teaching, practices and so on.</p> <p>②Out-of-class Learning: A lot of programming training, courses related to extension module of learning and reading, academic lectures, external experts to enter the classroom, etc.</p>

3	With the basic ability of information organization, analysis, dissemination and exploitation	<p>①Classroom Teaching: Information storage, information organization, information resource management, strategic management information system.</p> <p>②Out-of-class Learning: The strategy of cultivation of information consciousness and information system, develop the knowledge frontier spirit, academic lectures, external experts into the classroom.</p>
4	With the ability of comprehensive application of knowledge to analyze and solve problems	<p>①Classroom Teaching: Information system analysis and design, analysis, simulation training, e-commerce website development, training system.</p> <p>②Out-of-class Learning: Software engineering, Extra curricular system practice.</p>
5	Understand the latest developments in the field of this major	<p>①Classroom Teaching: Introduction to management disciplines, information systems analysis and design, e-commerce, business intelligence.</p> <p>②Out-of-class Learning: Academic lectures, literature retrieval, participating in Teachers' research projects.</p>
6	To master literature search, data query method of collection, with certain ability of research and practical work.	<p>①Classroom Teaching: Information organization, information storage and retrieval, information system of strategic management, the principle and application of ERP, logistics and supply chain management.</p> <p>②Out-of-class Learning: Reading a lot of literature, science and technology report, participating in Teachers' research projects.</p>
7	Skilled use of Chinese characters, standard Mandarin, translation, study and master a foreign language	<p>①Classroom Teaching: College English、Economic practical writing.</p> <p>②Out-of-class Learning: Speech contest, science and technology papers report.</p>

Major Disciplines: Management Science, Computer Science and Technology.

Main Courses: Management, western economics, accounting, marketing, applied statistics, operations research, data structure and database, computer network, e-commerce, information resources management, information system analysis and design, principle and application of ERP and e-commerce development.

Lab Experiments: C language program design practice, management software practice, e-commerce website development training, data analysis tools software training, graduation design.

Practical Work: C language program design practice, management software practice, e-commerce development practice, data analysis tool software training, teaching practice, graduation practice.

Duration: Four years.

Degree Granted: Bachelor of management.

Related Specialties: Management Science, Computer Science and Technology.

信息管理与信息系统专业课程教学计划表

Course Descriptions of information management and information system

课程类别 Classification	课程编号 Code	课程名称 Course Name	学分 Crs	学时 Hrs	学时分类 Class Hours		先修课程 Prerequisite courses	学期学分分配 Semester Credits									
					讲课 Lec.	实验 Lab.		一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th		
					通识教育课 Liberal Education Courses												
必修 Compulsory	11706200	马克思主义基本原理 Principles of Marxism	3	48	48			3									
	11706500	毛泽东思想与中国特色社会主义理论体系概论 Introduction to Mao Tse-tung Thought and the Theoretical System of Socialism with Chinese Characteristics	4	64	64				4								
	11711800	中国近现代史纲要 The Essentials of Modern Chinese History	2	32	32				2								
	120002*0	思想道德修养与法律基础 Morality Education and Fundamentals of Law	3	48	48			1.5	1.5								
	113076*0	体育 Physical Education	4	144	144			1	1	1	1						
	109116*0	大学英语 College English	12	192	192			3	3	3	3						
	11918901	C 语言程序设计 A C Language Programming (A)	3.5	56	40	16		3.5									
	20805300	管理学科（专业）概论 Introduction to Management Discipline	1	16	16			1									
	14300100	军事理论 Military Theory	2	32	32			2									
选修 Elective		总计 12 学分，含创新创业选修课学分，跨学科选修课不低于 6 学分	12	192													
	小计 Sum		46.5	824	616	16		15	11.5	4	4	0	0	0	0	0	0
学科基础课 Disciplinary Fundamental Courses																	
学科基础课 Disciplinary Fundamental Courses	212127*2	高等数学 B Advanced Mathematics B	10	160	160			4	6								
	21212802	线性代数 B Linear Algebra B	2.5	40	40				2.5								
	21213502	概率论与数理统计 B Probability and Mathematics Statistics B	2.5	40	40					2.5							
	20805200	管理学 Management	3	48	48			3									
	20826802	会计学 B Accounting	2.5	40	40					2.5							
	20835001	市场营销学 Marketing	2.5	40	40					2.5							
	20816700	西方经济学 Western Economics	2.5	40	40				2.5								

课程类别 Classification	课程编号 Code	课程名称 Course Name	学分 Crts	学时 Hrs	学时分类 Class Hours		先修课程 Prerequisite courses	学期学分分配 Semester Credits										
					讲课 Lec.	实验 Lab.		一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th			
	20831602	财务管理 B Financial Management	2	32	32		会计学				2							
	20802400	电子商务 E-Commerce	2.5	40	24	16					2.5							
	20817402	应用统计学 B (后半学期) Applied Statistics B	3	48	36	12					3							
	20814100	运筹学 Operational Research	3	48	48					3								
	21908202	数据结构 B Data Organization B	2.5	40	40						2.5							
	21909101	数据库原理 A Outline of The Concepts of Database Systems A	3.5	56	40	16					3.5							
	21910700	网络技术 Network Technique	2	32	32					2								
	21900601	Java 程序设计 A Java programming A	3	48	32	16				3								
	小计 Sum		47	752	692	60			7	11	15.5	13.5	0	0	0	0	0	
Main Specialty Courses 专业主干课	20822700	信息系统战略与管理 Information system strategy and Management	2.5	40	40								2.5					
	21908000	数据仓库与数据挖掘 Database and Data Excavation	2	32	32								2					
	20822800	信息资源管理 Information Resources Management	3	48	40	8							3					
	20804800	供应链与物流管理 Supply Chain & Logistics anagement	2.5	40	40	0									2.5			
	20800100	ERP 原理及其应用 ERP Applications	3	48	32	16									3			
	20835500	信息系统分析与设计 Information System Analysis and Design	4	64	40	24								4				
	20823000	信息系统项目管理 IS Project Management	3	48	40	8								3				
	20823100	决策支持系统 Decision Support System	2.5	40	28	12									3			
	20823200	商务智能 Business Intelligence	2	32	32			数据仓库与数据挖掘						2				
	20813500	信息系统项目模拟 Simulation of Information System Projects	3	48	32	16									3			
	小计 Sum		27.5	440	356	84			0	0	0	0	16.5	11.5	0	0	0	
Specialty Elective Courses 专业选修课		具体见专业选修课列表	20	320														
合计 Sub-total			141	2336	1664	160			22	22.5	19.5	17.5	16.5	11.5	0	0	0	

课程类别 Classification	课程编号 Code	课程名称 Course Name	学分 Crs	学时 Hrs	学时分类 Class Hours		先修课程 Prerequisite courses	学期学分分配 Semester Credits								
					讲课 Lec.	实验 Lab.		一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th	
实践环节 Practical Work	44300200	军事训练 Military Training	2	2周				2								
	40829100	电子商务网站设计与开发实训 Design and development of e-Commerce website training	2	2周									2			
	40829200	数据分析工具运用实训 Data analysis tools application training	3	3周										3		
	41919001	C语言课程设计 A Course Design for C Language A	1.5	1.5周				1.5								
	40829300	信息管理与信息系统专业教学实训 Teaching Practice	2	2周									2			
	40827100	毕业实习 Practice for Graduation	9	9周											9	
	40827200	毕业论文（设计） Thesis for Graduation	9	9周												9
	小计 Sum		28.5	28.5周				3.5		0	0	2	5	9	9	
创新创业自主学习 Autonomous Learning	ZZ35000S	社会调查 Social Investigation	2													
		其他(学科竞赛、发明创造、科研报告) Others (Contest, Invention, Innovation and Research Presentation)	5													
	小计 Sum		7													
总计 Total			176.5	+28.5周	1664	160		24	24	19.5	17.5	18.5	16.5	9	9	
可开出专业选修课列表 Specialty Elective Courses	21902002	操作系统原理 B Operating System B	2.5	40	40						2.5					
	21915700	协同计算 Collaborative Computing	2	32	32								2			
	21004702	经济预测与决策 B Economic Forecasts and Economic Decisions B	2	32	32								2			
	20811400	生产与运作管理 Production and Operations Management	2.5	40	36	4					2.5					
	21915603	软件工程 C Software Engineering C	2	32	32							2				
	11904200	计算机高级语言程序设计 (VF) Advanced Computer Language (VF)	3.5	56	40	16					3.5					
	20810200	模糊系统 Fuzzy System	2	32	32							2				
	20800300	Matlab 程序设计 Matlab Programming	2	32	16	16						2				

课程类别 Classification	课程编号 Code	课程名称 Course Name	学分 Crs	学时 Hrs	学时分类 Class Hours		先修课程 Prerequisite courses	学期学分分配 Semester Credits									
					讲课 Lec.	实验 Lab.		一	二	三	四	五	六	七	八		
								1st	2nd	3rd	4th	5th	6th	7th	8th		
	20800200	JSP 开发技术 Development Technology of JSP	2.5	40	24	16							2.5				
	21915800	物联网及其应用 Internet of Things technology and its applications	2	32	32						2						
	21102402	地理信息系统 B GIS B	2.5	40	40					2.5							
	21608000	经济管理应用文写作 Practical Writing of Economic Management	2	32	32							2					
	21004102	金融学 B Finance	2	32	32					2							
	21705200	经济法 Economic Law	2	32	32					2							

注：1、通识教育选修课学分和创新创业自主学习学分未列入具体学期。

2、专业选修课分布在第三至第六学期，建议第三、四学期每学期选修 3-5 学分，第五、六学期选修 5-6 学分。

信息管理与信息系统专业课程分类统计

	通识教育课程 Liberal Education Courses		学科基础课 Disciplinary Fundamental Courses	专业主干课 Main Specialty Courses	专业选修课 Specialty Elective Courses	实践环节 Practical Work	创新创业自主学习 Autonomous Learning	学时总计 Total Hour	学分总计 Total Credits
	必修	选修							
学时/ 学分	532/34.5	192/12	752/47	440/27.5	320/20	28.5 周 /28.5	7	2336+28.5 周	176.5
学分所占比例	26.35%		26.63%	15.58%	11.33%	16.15%	3.97%		100