

数字经济专业 2024 版本本科培养方案

Undergraduate Education Plan for Specialty in Oriented in Digital Economy(2024)

专业名称 Major	数字经济 Economics	主干学科 Major Disciplines	数字经济 Oriented in Digital Economy
计划学制 Duration	四年 4years	授予学位 Degree Granted	经济学学士 Bachelor of Economics
所属大类 Disciplinary	经济学类 Economics	大类培养年限 Duration	1 年 1year
最低毕业学分规定 Graduation Credit Criteria			

课程分类 Course Classification 课程性质 Course Nature	通识教育课程 General Education Course	学科基础课程 Disciplinary Fundamental Courses	专业课程 Specialty Elective Courses	个性课程 Personalized Course	集中性实践教学环节 Specialized Practice Schedule	课外学分 Extra- Course Credits	总学分 Total Credits
必修课 Required Courses	38	24.5	40	\	23.5	10	175
选修课 Elective Courses	9	\	24	6	\		

一、专业简介

1 Professional Introduction

数字经济是以经济学为基础，注重与数字技术相关专业的交叉融合，集人工智能、大数据、区块链、云计算等互联网技术，理、工、经、管、法等多学科交叉融合的新文科专业。本专业面向人工智能时代数字经济等国家重大战略需求，发挥学校工科背景优势，依托计算机科学、人工智能、应用经济学等学科，构建以数字技术创新驱动经济发展的新型人才培养体系，重点培养具备“数字素养+经济思维+AI 能力”三位一体知识结构的复合型卓越人才，围绕数字经济新产业、新业态和新模式，系统培育学生四大核心能力：数字经济理论体系构建能力、智能算法与大数据分析能力、产业数字化转型解决方案设计能力、数据要素治理与价值转化能力。

Digital economy is a new liberal arts major based on economics, focusing on the cross integration of digital technology related majors, integrating Internet technologies such as artificial intelligence, big data, blockchain, cloud computing, and other disciplines such as science, engineering, economics, management, and law. This major is aimed at meeting the major strategic needs of the country, such as the digital economy in the era of artificial intelligence. It leverages the advantages of the school's engineering background and relies on disciplines such as computer science, artificial intelligence, and applied economics to build a new talent training system driven by digital technology innovation for economic development. The focus is on cultivating composite outstanding talents with a three-in-one knowledge structure of "digital literacy+economic thinking+AI ability". Around the new industries, new formats, and new models of the digital economy, the system cultivates students' four core abilities: the ability to construct a theoretical system of the digital economy, the ability to analyze intelligent algorithms and big

data, the ability to design solutions for industrial digital transformation, and the ability to govern data elements and convert value.

二、培养目标与毕业要求

2 Educational Objectives & Requirements

(一) 培养目标

(一) 培养目标

本专业学生毕业后，通过 5 年左右的实践，期望达到以下主要目标：

(1) 综合人文素养：身心健康，具有崇高的家国情怀、坚定的社会主义核心价值观和中国特色社会主义理想信念；具备良好的敬业精神、数字化思维、职业道德和社会责任感；具有良好的国际视野，关注全球当代经济和社会问题，以及互联网和数字经济的最新发展。

(2) 专业基础能力：具有从事数字经济领域科学研究和实践所需的数学、信息技术、经济学、管理学知识，具备多维分析能力，能将以上知识运用于解决数字经济问题。

(3) 专业技术能力：具有分析企业和行业数字化需求、进行大数据分析与应用、设计企业数字化转型解决方案、开发数字化系统和进行技术实施的能力。

(4) 专业商务能力：熟练运用数字技术来分析解决经济问题，参与企业数字化运营管理，掌握产业数字化规划和建设能力，开展数字化贸易，适应数字经济新业态建设。

(5) 社会发展能力：具有良好的口头和书面表达和交流沟通能力、良好的团队意识和合作精神，具有创新能力和终身学习的能力。

本专业期待毕业生经过五年左右的工作实践，具有的职业能力和取得的职业成就如下：

1.综合人文素养：身心健康，具有崇高的家国情怀、坚定的社会主义核心价值观和中国特色社会主义理想信念；具备良好的敬业精神、数字化思维、职业道德和社会责任感；具有良好的国际视野，关注全球当代经济和社会问题，以及互联网和数字经济的最新发展。

2.专业基础能力：具有从事数字经济领域科学研究和实践所需的数学、信息技术、经济学、管理学知识，具备多维分析能力，能将以上知识运用于解决数字经济问题。

3.专业技术能力：具有分析企业和行业数字化需求、进行大数据分析与应用、设计企业数字化转型解决方案、开发数字化系统和进行技术实施的能力。

4.专业商务能力：熟练运用数字技术来分析解决经济问题，参与企业数字化运营管理，掌握产业数字化规划和建设能力，开展数字化贸易，适应数字经济新业态建设。

5.社会发展能力：具有良好的口头和书面表达和交流沟通能力、良好的团队意识和合作精神，具有创新能力和终身学习的能力。

2.1 Education Objectives

The main educational objectives as the students of this major has practiced for more than 5 years after graduation include:

(1) Overall humanity: Be solid physically and sound mentally with dedication to home country, core socialist values, ideals and convictions of socialism with Chinese characteristics. Be dedicated to work and sensitive to Internet thinking. Be able to take social responsibilities and professional ethics. Care about modern economic and societal problems and the up-to-date developments in Internet and e-business as well with broadened international views.

(2) Basic capabilities: Grasp the knowledge in mathematics, information technologies, economics, management and laws, which is necessitated by the e-business research and practices. Have the ability in multi-dimensional analysis. Be able to put the concerned knowledge into solving e-business issues.

(3) Professional technical capabilities: Have the ability to analyze the digital needs of enterprises and industries, conduct big data analysis and application, design enterprise digital transformation solutions, develop digital systems and carry out technical implementation

(4) Professional business capabilities: Proficient in the use of digital technology to analyze and solve economic problems, participate in the digital operation and management of enterprises, master the ability of industrial digital planning and construction, carry out digital trade, and adapt to the construction of new forms of digital economy.

(5) Social development capabilities: Be good at oral and written presentation. Possess good communication abilities, teamwork and cooperation spirit. Be able to innovate and pursue study for a life-long time.

This major expects graduates to have the following professional abilities and achievements after about five years of work practice:

1.Overall humanity: Be solid physically and sound mentally with dedication to home country, core socialist values, ideals and convictions of socialism with Chinese characteristics. Be dedicated to work and sensitive to Internet thinking. Be able to take social responsibilities and professional ethics. Care about modern economic and societal problems and the up-to-date developments in Internet and e-business as well with broadened international views.

2.Basic capabilities: Grasp the knowledge in mathematics, information technologies, economics, management and laws, which is necessitated by the e-business research and practices. Have the ability in multi-dimensional analysis. Be able to put the concerned knowledge into solving e-business issues.

3.Professional technical capabilities: Have the ability to analyze the digital needs of enterprises and industries, conduct big data analysis and application, design enterprise digital transformation solutions, develop digital systems and carry out technical implementation.

4.Professional business capabilities: Proficient in the use of digital technology to analyze and solve economic problems, participate in the digital operation and management of enterprises, master the ability of industrial digital planning and construction, carry out digital trade, and adapt to the construction of new forms of digital economy.

5.Social development capabilities: Be good at oral and written presentation. Possess good communication abilities, teamwork and cooperation spirit. Be able to innovate and pursue study for a life-long time.

(二) 毕业要求

本专业学生毕业时应当达到中国工程教育专业认证协会工程教育认证标准规定的的能力，即：

1. 知识体系:掌握扎实的经济学、数据科学和人工智能基础，系统掌握数字技术与经济学领域必须的理论基础及专业知识，具有数据分析应用、数字化运营管理、数字化转型建设、数字化经济治理等能力。

2. 问题分析:具备较强的逻辑分析、数理推演、算法设计与编程等解决数字经济实践问题的能力；同时数字技术应用能力强，能够利用人工智能、大数据方法、机器学习和计量软件处理专业领域的实际问题。

3. 解决方案:能够提出针对复杂数字经济问题的解决方案，提出满足特定需求的经济规划、政策建议，并能够在规划中体现创新意识，考虑社会、健康、安全、法律、文化以及环境等因素。

4. 创新研究:具有创新精神，能够基于科学原理并采用科学方法研究数字经济与人工智能领域复杂科学问题，包括设计实验、分析与解释数据，并提出解决方案。

5. 使用现代工具:能针对数字经济领域复杂科学问题，开发、选择与使用恰当的技术、资源、现代科学工具和信息技术工具，并能理解局限性。

6. 工程和可持续发展:能够理解和评价针对复杂数字经济问题的社会实践对环境、社会可持续发展的影响。

7. 伦理与职业规范:对数字经济相关领域具有良好的职业认知，拥有良好的人文社会科学素养、社会主义法治理念、道德修养及较强的社会责任感，自旨在科学实践中理解并遵守科学职业道德和规范，履行责任。

8. 团队精神:具有团队合作精神，具备理、工、文、经管多学科交叉背景与视野，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。

9. 沟通:能够就数字经济问题与业界同行及社会公众进行有效沟通和交流，包括撰写报告和规划文稿、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。

10. 项目管理:理解并掌握管理学原理、经济决策方法和数智技术，并能在多学科环境中应用。

11. 终身学习:具有自主学习和终身学习的意识，具有在数字经济、人工智能等相关领域跟踪和发展新理论、新知识、新技术的能力，能够不断学习和适应行业新发展。

2.2 Graduation Requirements

Upon graduation, students in this major should meet the abilities required by the Engineering Education Certification Standards of the China Engineering Education Professional Certification Association, namely:

1. Possess a solid foundation in economics, data science and artificial intelligence, systematically master the necessary theoretical foundation and professional knowledge in the field of digital technology and economics, and have the ability of data analysis and application, digital operation management, digital transformation construction, digital economic governance.

2. Possess strong capabilities in logical analysis, mathematical deduction, algorithm design, programming, etc. to solve practical problems in digital economy; at the same time, possess strong capabilities in artificial intelligence application and be able to use modern information techniques, big data methods, machine learning, and econometric software to deal with practical issues in professional areas.

3. Students can put forward solutions for complex digital economy problems, propose economic planning and policy recommendations to meet specific needs, and can reflect the innovation consciousness in the planning, considering social, health, safety, law, culture and environmental factors.

4. Possess an innovative spirit and be able to investigate complex scientific issues in the field of digital economy and artificial intelligence based on scientific principles and methods, including designing experiments, analyzing and interpreting data, and proposing solutions.

5. Be able to develop, select and apply appropriate technology, resources, modern scientific tools and information technology tools for complex scientific problems in the field of digital economy and artificial intelligence, and understand their limitations.

6. Students can understand and evaluate the impact of social practice on complex digital economy issues on environmental and social sustainable development.

7. Possess good professional understanding in related field of digital economy and artificial intelligence, have good humanities and social science quality, good philosophy of socialist rule of law, good moral cultivation, and a strong sense of social responsibility, can understand and abide by scientific professional ethics and norms in scientific practice, and perform responsibilities.

8. Possess the spirit of teamwork, have a cross-disciplinary background and horizon in science, engineering, liberal arts, economics and management, and be able to undertake the roles as individual, team member, and leader in a multi-disciplinary team.

9. Students can effectively communicate with peers and the public on complex digital economy issues, including writing reports and planning documents, making statements, clearly expressing or responding to instructions, and has a certain international perspective, and can communicate in a cross-cultural context.

10. Students can understand and master the principles of management and economic decision-making methods, and be able to apply them in a multi-disciplinary environment.

11. Possess the awareness of independent and lifelong learning, have the ability to track and develop new theories, new knowledge, and new technologies in related fields of digital economy and artificial intelligence, and be able to continuously learn and adapt to new development in the industry.

附：培养目标实现矩阵

毕业要求	培养目标 1	培养目标 2	培养目标 3	培养目标 4	培养目标 5
毕业要求 1	√	√	√		
毕业要求 2		√	√	√	√
毕业要求 3		√	√	√	√
毕业要求 4	√	√	√	√	
毕业要求 5		√	√	√	√
毕业要求 6	√	√	√	√	√
毕业要求 7	√	√	√	√	

毕业要求 8	√			√	√
毕业要求 9	√			√	√
毕业要求 10		√	√	√	√
毕业要求 11	√		√	√	√

毕业要求的达成需以课程（教学环节）的教学活动为支撑。本专业为合理设置课程体系、落实对毕业要求的支撑课程，对各项毕业要求进行了解。每项毕业要求（一级指标）被分解为若干层层递进的指标点（二级指标），前一指标点的达成是下一指标点达成的基础，而下一指标点的达成是前一指标点的升华，所有指标点一起，支撑了该毕业要求的达成。根据上述分解方法，本专业各项毕业要求的指标点分解如下表所示。

表：毕业要求指标点的分解

毕业要求	指标点
------	-----

附：毕业要求实现矩阵

课程名称	数字经济专业毕业要求											
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
神奇的材料世界(10034121084)						M					M	
Python 程序设计基础 B(10121121085)					H							
计算机基础与 Python 程序设计综合实验 B(10121221089)					M							
线性代数(10153111001)	L	M										
高等数学 B 下(10153121058)	H											
高等数学 B 上(10153121059)	H											
概率论与数理统计 B(10155111054)		H			L							
会计学(10174121170)	M						M					
政治经济学(10183111002)	H						L					
宏观经济学(10183124157)	M			M								
数字经济专业导论(10183125001)	M						M					
产业经济学 A(10184111015)			M					L				
统计学 B(10184117069)	M						M					
企业经济学(10184121072)	M						L					
网络经济学(10184121077)	H		H								M	
数字经济概论(10184121082)	H					M					M	
货币金融学(10184121083)			M							M		
微观经济学(10184124001)	M			M								
数字经济治理(10184124105)			M				H					
数据结构(10184124108)					H						M	
智慧供应链管理(10184125005)				H	H					M		

[illegible]

体育 3(10271117044)												H	
体育 2(10271117045)												H	
体育 1(10271117046)												H	
军事理论(10381121001)								M					
军事技能训练(10381321003)								M					
心理健康教育(10388117003)							M						
专业实习(4010125110)								H		M			
通识教育选修课	“四史”类			M				L					
	人文社科类				M		M						
	科技创新类		M								M		
	经济管理类			M									
	创新创业类			H							M		
	艺术审美类						M						
	体育健康类											M	
备注：表中用“H”、“M”、“L” 分别表示该课程对指标点的支撑强度为“高”、“中”、“低”。													

三、专业核心课程

3 Core Courses

四、 教学建议进程表

4 Course Schedule

开课单位 Course College	课程编号 Course Number	课程名称 Course Title	学分 Crs	学时分配 Including						建议修读学 期 Suggested Term	先修课程 Prerequisite Course
				总学时 Tot hrs.	理论 Theory	实验 Exp.	上机 Ope-ratio.	实践 Prac-tice.	课外 Extra-cur.		
(一) 通识教育必修课程 I General Education Compulsory Courses											
计算机与人工智能学院	10121121085	Python 程序设计基础 B Foundation of Python Programming B	2	32	32	0	0	0	0	2	
计算机与人工智能学院	10121221089	计算机基础与 Python 程序设计综合实验 B Comprehensive Experiments of Foundation of Computer and PYTHON Language Programming B	1	32	0	32	0	0	0	2	
外国语学院	10201121071	大学英语 4 College English IV	2	48	32	0	0	0	16	1,2,3,4	大学英语 2
外国语学院	10201121072	大学英语 3 College English III	2	32	32	0	0	0	0	1,2,3,4	
外国语学院	10201121073	大学英语 2 College English II	2	32	32	0	0	0	0	1,2,3,4	大学英语 1
外国语学院	10201121074	大学英语 1 College English I	2	32	32	0	0	0	0	1,2,3,4	
马克思主义学院	10211124001	思想道德与法治 Morality and the rule of law	3	48	42	0	0	6	0	1	
马克思主义学院	10211124002	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 Socialism with Chinese Characteristics	3	48	30	0	0	18	0	3	
马克思主义学院	10211124003	习近平新时代中国特色社会主义思想概论 Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	3	48	36	0	0	12	0	4	
马克思主义学院	10211124004	马克思主义基本原理 Fundamental Principles of Marxism	3	48	42	0	0	6	0	4	
马克思主义学院	10211124005	中国近现代史纲要 Outline of Contemporary and Modern Chinese History	3	48	42	0	0	6	0	2	
马克思主义学院	10218116001	形势与政策 Situation & Policy	0.25	8	8	0	0	0	0	1	
马克思主义学院	10218116002	形势与政策 Situation & Policy	0.25	8	8	0	0	0	0	2	
马克思主义学院	10218116003	形势与政策 Situation & Policy	0.25	8	8	0	0	0	0	3	

马克思主义学院	10218116004	形势与政策 Situation & Policy	0.25	8	8	0	0	0	0	4	
马克思主义学院	10218116005	形势与政策 Situation & Policy	0.25	8	8	0	0	0	0	5	
马克思主义学院	10218116006	形势与政策 Situation & Policy	0.25	8	8	0	0	0	0	6	
马克思主义学院	10218116007	形势与政策 Situation & Policy	0.25	8	8	0	0	0	0	7	
马克思主义学院	10218116008	形势与政策 Situation & Policy	0.25	8	8	0	0	0	0	8	
体育学院	10271117043	体育 4 Physical Education IV	1	32	32	0	0	0	0	1,2,3,4	基础体育, 基础体育 2
体育学院	10271117044	体育 3 Physical Education III	1	32	32	0	0	0	0	1,2,3,4	基础体育, 基础体育 2
体育学院	10271117045	体育 2 Physical Education II	1	32	32	0	0	0	0	1,2,3,4	
体育学院	10271117046	体育 1 Physical Education I	1	32	32	0	0	0	0	1,2,3,4	
学生工作部（处）、武装部	10381121001	军事理论 Military Theory	2	32	32	0	0	0	0	2	
学生工作部（处）、武装部	10381321003	军事技能训练 Military Skills Training	2	136	0	0	0	136	0	1	
学生工作部（处）、武装部	10388117003	心理健康教育 Mental Health Education	2	32	24	0	0	8	0	1	
小 计 Subtotal			38	840	600	32	0	192	16		

修读说明：
NOTE:

(二) 通识教育选修课程 2 General Education Elective Courses	
“四史”类 Education of "Four Histories"	1. 通识课程应修满至少 9 学分; 2. 至少修读“四史”课程以及创新创业类课程各 1 门; 3. 非艺术类专业学生还应在艺术审美类课程中至少选修 2 学分; 4. 学校引进开设的通识教育网络课程采用“学分认定”方式计入通识选修课, 最高计入 4 学分。 5. 必须选修人文社科类中《国家安全教育》课程。
人文社科类 Humanities and Social Sciences	
科技创新类 Technology innovation	
经济管理类 Economic Management	
创新创业类 Innovation and entrepreneurship	
1. Elective courses ≥9 credits. 2. At least one course in Education of "Four Histories" and one course in innovation and entrepreneurship; 3. Non art major students should also take at least 2 elective credits in art aesthetics courses; 4. The general education online courses introduced by the school are included in the general education elective courses through credit recognition, with a maximum of 4 credits.	

艺术审美类 Art Aesthetics	5. National Security Education of the Humanities and Social Sciences Courses is the specialized elective course										
体育健康类 Sports and Health											
小 计 Subtotal			9	144							
(三) 学科基础课程 3 Disciplinary Fundamental Courses											
材料科学与工程学院	10034121084	神奇的材料世界 The World of Miraculous Materials	1	16	16	0	0	0	0	2	
数学与统计学院	10153111001	线性代数 Linear Algebra	2.5	40	40	0	0	0	0	2	
数学与统计学院	10153121058	高等数学 B 下 Advanced Mathematics II	5.5	88	88	0	0	0	0	2	
数学与统计学院	10153121059	高等数学 B 上 Advanced Mathematics I	4.5	72	72	0	0	0	0	1	
经济学院	10183111002	政治经济学 Political Economics	2.5	40	40	0	0	0	0	1	
经济学院	10183124157	宏观经济学 Macroeconomics	2.5	40	40	0	0	0	0	2	
经济学院	10183125001	数字经济专业导论 Principles of Digital Economy	1.5	24	24	0	0	0	0	1	
经济学院	10184121082	数字经济概论 Introduction to digital economy	2	32	32	0	0	0	0	2	
经济学院	10184124001	微观经济学 Microeconomics	2.5	40	40	0	0	0	0	1	
小 计 Subtotal			24.5	392	392	0	0	0	0		
修读说明: NOTE:											
(四) 专业必修课程 4 Specialized Required Courses											
数学与统计学院	10155111054	概率论与数理统计 B Probability and Mathematical Statistics	3	48	48	0	0	0	0	3	线性代数
管理学院	10174121170	会计学 Accounting	2.5	40	40	0	0	0	0	4	管理学原理 A
经济学院	10184111015	产业经济学 A Industrial Economics	2.5	40	40	0	0	0	0	5	宏观经济学,微观经济学
经济学院	10184121077	网络经济学 Economics of Network	2.5	40	40	0	0	0	0	4	微观经济学,经济学

											原理,宏观 经济学
经济学院	10184125005	智慧供应链管理 Intelligent Supply Chain Management	3	48	40	8	0	0	0	5	
经济学院	10184125009	数字经济技术基础 The Base of Digital Economy Technology	2	32	28	4	0	0	0	3	
经济学院	10184125010	数据安全与隐私计算 Data Security and Privacy Computing	2.5	40	32	8	0	0	0	3	
经济学院	10185124643	习近平经济思想专题 Special Topic on Economic Thought	1.5	24	24	0	0	0	0	5	宏微观经济 学,政治经 济学,微观 经济学,宏 观经济学, 宏观经济学,微观经 济学,宏观 经济学
小 计 Subtotal			19.5	312	292	20	0	0	0		
修读说明: NOTE:											
(五) 专业选修课程 5 Specialized Elective Courses											
(1) 专业选修											
经济学院	10184117069	统计学 B Statistics	3	48	42	6		0		3	
经济学院	10184121072	企业经济学 Firm Economics	2	32	32	0	0	0	0	7	
经济学院	10184121083	货币金融学 The Economics of Money,Banking and Financial Markets	2.5	40	40	0	0	0	0	3	
经济学院	10184124105	数字经济治理 Digital economy Governance	2	32	26	6	0	0	0	4	
经济学院	10184124108	数据结构 Data Structure	3	48	40	8	0	0	0	4	
经济学院	10184124296	数智营销 Intelligent and Digital Marketing	2	32	26	6	0	0	0		
经济学院	10185117048	服务学 Serviceology	2	32	32	0		0		4	

经济学院	10185121038	平台经济学 Platform Economics	2	32	32	0	0	0	0	6	宏观经济学,微观经济学
经济学院	10185124118	碳数字化管理 Digital carbon management	2	32	32	0	0	0	0	6	
经济学院	10185124252	数据可视化	2	32	32	0	0	0	0	6	
经济学院	10185124556	产业数字化解决方案 Firms Digitization Solutions	2	32	32	0	0	0	0	6	
经济学院	10185125001	数字化战略管理 Digital Strategic Management	2.5	40	32	8	0	0	0	4	
经济学院	10185125003	数字政府 Digital Government Administration	2	32	32	0	0	0	0	7	
经济学院	10185125004	AI 产品分析与设计 AI Product Analysis and Design	2	32	32	0	0	0	0	6	
经济学院	10185125005	统计机器学习 Machine Learning	2	32	32	0	0	0	0	7	人工智能原理与应用
经济学院	10185125006	人工智能建模与仿真 Artificial Intelligence Modeling and Simulation	2	32	32	0	0	0	0	6	人工智能原理与应用
经济学院	10185125007	人工智能与数字经济前沿 Frontiers of Artificial Intelligence and Digital Economy	2	32	32	0	0	0	0	4	
经济学院	10185125008	创新经济学 Innovation Economics	2	32	32	0	0	0	0	6	
经济学院	10185125009	中级宏观经济学 Intermediate Macroeconomics	2.5	40	40	0	0	0	0	4	
经济学院	10185125010	计量经济学 Econometrics	2.5	40	40	0	0	0	0	4	
经济学院	10185125011	人工智能伦理 Artificial Intelligence Ethics	2	32	32	0	0	0	0	5	
经济学院	10185125012	中级微观经济学 Intermediate Microeconomics	2.5	40	40	0	0	0	0	3	
小 计 Subtotal			48.5	776	742	34	0	0	0		
修读说明： NOTE：											
（六）个性课程 6 Personalized Elective Courses											
（七）集中性实践教学环节 7 Specialized Practice Schedule											

(1) 实践课											
经济学院	10187321091	毕业实习 Graduation Practice	5	80	0	0	0	80	0	8	
经济学院	10187321093	毕业论文 Graduation Thesis	8.5	272	0	0	0	272	0	8	
经济学院	10187325001	人工智能设计与开发 Artificial Intelligence Design and Development	2	32	0	0	0	32	0	4	
经济学院	10187325002	数字企业认知 Digital Enterprise Cognition	2	32	0	0	0	32	0	3	
经济学院	10187325003	企业数字化运营实训 C Enterprise Digital Operation Training C	2	32	0	0	0	32	0	5	
经济学院	4010125110	专业实习 Practical Training in Major	4	64	0	0	0	64	0	6	
小 计 Subtotal			23.5	512	0	0	0	512	0		
修读说明: NOTE:											

五、 修读指导

5 Recommendations on Course Studies

1. 课外培养方案详见《武汉理工大学第二课堂课外学分实施办法》。
2. 汉语授课本科层次国际学生汉语类课程修读要求详见《武汉理工大学本科层次国际学生公共汉语课程设置与修读要求》，其它课程修读与中国学生培养方案保持一致。
3. 各专业应不断强化劳动教育，将劳动要素融入专业教育，充分依托实习实训、社会调查等实践教学环节，设置劳动教育模块，标注含不少于 32 学时（2 学分）的劳动教育，明确劳动教育的目标、内容、形式和考核要求。

1.Please refer to the cultivation plan of the second class-Implementation Measures for Extracurricular Credits of the Second Class of Wuhan University of Technology.

2.Chinese courses for International students accepting Chinese teaching at undergraduate level can be found in detail the Public Chinese Curriculum and Study Requirements for International Students at undergraduate level of Wuhan University of Technology, and the study of other courses should be consistent with the undergraduate training program for Chinese students.

3.All majors should continue to strengthen labor education, integrate labor elements into specialty education, fully rely on practical teaching links such as practical training and social investigation, set up labor education modules, label labor education with no less than 32 class hours (2 credits), and clarify the goal, content, form and assessment requirements of labor education.

学院教学负责人：余珮

专业培养方案负责人：王建成

附件：课程教学进程图

Annex: Teaching Process Map