

## **I. Years of study**

Three-year

## **II. Language of instruction**

English (IELTS 5.5 and above, TOEFL 46 and above, Duolingo 90 and above)

## **III. Training objectives**

This major cultivates students with strong ideals and beliefs, all-round development in morality, intellectuality, physicality, aesthetics and labor, an international vision and a certain level of science and culture, good humanistic literacy, professional ethics and innovation consciousness, the craftsmanship spirit of striving for excellence, and strong employability and sustainable development; they are able to master the professional knowledge and technical skills, and are oriented to the accounting, taxation, and service professions in the accounting, data analysis, and digital transformation management occupational groups in the financial departments of enterprises, institutions and organizations in various industries. The professional group of accounting, data analysts and digital transformation managers in service and other industries can adapt to the digital transformation and upgrading of industries and engage in accounting and management, cost management, tax management, financial analysis, budget and performance management, investment and financing management and other work in the era of big data with high-quality technical and skilled talents.

## **IV. Employment opportunities**

Main positions:

(1) Financial Accountant.
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- (2) Tax Accountant.
- (3) Big data engineers and technicians.
- (4) Digital manager.

## V. Cooperating enterprises

Xindao Technology Co., Ltd

IH Kerry (Wuxi) Financial Sharing Centre

Wuxi Jindaxin Accounting Firm

Wuxi Taichang Electronics Co., Ltd

## VI. Main courses

No.	Course Name Module Code	Main Content	Hours & Credits	Course Attribute	Semester
1	Accounting Fundamentals and Practice A 1610056	Concepts, objects, tasks and methods of accounting; accounting methods such as setting up accounts, double-entry bookkeeping, preparing and reviewing vouchers, registering books of accounts, costing, property inventory, financial accounting reports, etc.; procedures for handling accounts and simulated accounting operations.	64 hours 4 credits	Compulsory	1
2	Fundamentals and Practice of Statistics A 1510073	Basic concepts and scope of statistical research; basic methods of statistical surveys and statistical collation; methods of calculating various indicators; methods of compiling indices and index systems; basic concepts of statistical inference, sampling inference and estimation methods; methods of calculating correlation coefficients and regression analyses.	32 hours 2 credits	Compulsory	2
3	Financial	Concepts of financial accounting, monetary	64 hours	Compulsory	2

	Accounting Practice 1610013	funds, receivables and prepayments, inventories, financial financial assets and long-term investments, fixed assets and other assets.	4 credits		
4	Cost Accounting and Practice 1610062	Cost concepts and components, accounting for product cost components, allocation of product costs between finished products and products in process, variety method, batch method, step method, cost statements, cost control and appraisal, and simulation of costing practices in enterprises.	48 hours 3 credits	Compulsory	3
5	Management Practice B 1510062	Through this course, know what management is? Understand the idea of management and learn the management functions such as planning, decision-making, organising, leading, motivating, communicating, controlling and so on that managers have to perform in the process of management activities. Through the study, students will be equipped with the basic concepts of management and master the basic skills of management.	32 hours 2 credits	Compulsory	3
6	Big Data Fundamentals Practice A 1510021	Understanding Big Data; Fundamentals of Big Data Technology; Managing Big Data; Big Data Statistical Analysis Techniques; Big Data Mining; Visualizing Big Data; Big Data Case Studies.	32 hours 2 credits	Compulsory	3
7	Financial Big Data Fundamentals 1610136	Python basic data types; Python operators; Python common statements; features, functions and applications of functions and classes; using Python to operate on files and directories; exception handling statements to catch exceptions; using the	48 hours 2 credits	Compulsory	4

		Pandas library to read and write to Excel and simple analysis and processing; large-scale crawling website information, and processing and storing data; data Cleaning: de-weighting, missing values, outliers processing; data conversion and description: data format conversion, data standardization and data discretization.			
8	ERP Financial Management and Practice 1610061	The main contents of ERP financial management include: system management, general ledger system, UFO reporting system, payroll management system, fixed asset management system, receivable management system, payable management system, and simulation of ERP financial management system in the enterprise.	64 hours 4 credits	Compulsory	4
9	Management accounting practices 1610012	Cost nature analysis, variable costing, cost-volume profit analysis, time value of money, short-term business decision-making, project decision-making, full budgeting, standard costing, job costing, performance management, and management accounting reports.	48 hours 3 credits	Compulsory	4
10	Excel in accounting appliance 1610137	The application of Excel in finance and accounting mainly includes the following contents: time value of money, project investment, portfolio investment, liquidity, comprehensive cost of capital, income distribution, financial budgeting and financial cost control, financial analysis, and develops students' ability to use Excel to solve financial problems.	40 hours 2.5 credits	Compulsory	4
11	Financial	Basic concepts of financial	64 hours	Compulsory	5

	management 1610011	management, risk values, financing management, investment management, working capital management, income distribution management, and financial statement analysis.	4 credits		
12	Financial Big Data Fundamentals 1610136	Python basic data types; Python operators; Python common statements; features, functions and applications of functions and classes; using Python to operate on files and directories; exception handling statements to catch exceptions; using the Pandas library to read and write to Excel and simple analysis and processing; large-scale crawling website information, and processing and storing data; data Cleaning: de-weighting, missing values, outliers processing; data conversion and description: data format conversion, data standardization and data discretization.	48 hours 2 credits	Compulsory	5