

廣東工業大學

Guangdong University of Technology



经济与贸易学院  
经济学专业人才培养方案  
自 2020 级开始执行

## 一、培养方案修订的指导思想

本次人才培养方案的修订按照《广东工业大学高水平大学建设总体规划（2015~2020年）》、《广东工业大学“十三五”发展规划》要求，《广东工业大学 2017 年教育部审核评估专家组反馈意见》精神，《国务院办公厅关于深化高等学校创新创业教育改革的实施意见》（国办发〔2015〕36 号）文件精神。将学校的人才培养总目标：“培养具有高度社会责任感，善于合作、勇于创新、视野宽广，掌握从事专业所需的基础知识和专业技能，具有综合运用所学科学理论方法和手段分析并解决实际问题的能力，能有效解决现场实际问题的高素质创新应用型人才”充分体现和落实在本次教学计划的修订工作中。

## 二、培养方案修订的依据

本专业在 2018 版专业培养方案的基础上，主要依据以下几个方面修订并形成 2020 版专业培养方案。

- 1.《国务院办公厅关于深化高等学校创新创业教育改革的实施意见》（国办发〔2015〕36 号）
- 2.《教育部、国家发展改革委、财政部关于引导部分地方普通本科高校向应用型转变的指导意见》（教发〔2015〕7 号）
- 3.《普通高等学校本科专业（经济学）类教学质量国家标准》
- 4.《关于深化本科教育教学改革 全面提高人才培养质量的意见》（教高〔2019〕6 号）
- 5.《国务院办公厅关于深化产教融合的若干意见》国办发〔2017〕95 号
- 6.《工程教育认证标准（2015 版）》
- 7.广东工业大学《关于修订本科专业人才培养方案的指导意见》
- 8.《广东工业大学 2017 年教育部审核评估专家组反馈意见》
- 9.经济学专业人才需求状态调研报告

## 三、主要修订内容

根据本次培养方案修订要求，在 2018 版专业培养方案的基础上修订并形成 2020 版专业培养方案，主要修订内容如下：

### 1.凝练培养目标及特色

本次培养方案的修定，严格按照经济学类本科专业教学质量国家标准的要求进行，具体包括：（1）专业培养目标和标准紧扣学校人才培养总目标。（2）专业培养目标对应到专业毕业生在毕业后 5 年左右能够达到的职业和专业成就的内涵要求上；专业的毕业要求（培养标准）对学生毕业时应该掌握的知识和能力有具体描述，包括学生通过本专业学习所掌握的知识、技能和素养。（3）专业的制定、修订，基于产出导向教育（OBE）理念，综合考虑国家社会教育发展的需要、广东省产业发展的需要、学校人才培养定位、学生发展期望等。

## 2. 优化课程体系

本专业在确定课程体系时，明确课程体系与毕业要求的支撑关系，以及对专业培养目标达成的支持情况，在考虑专业知识结构、学分要求等前提下，还通过目标能力矩阵分析，将专业培养目标和培养标准与课程体系对应。

本专业分为工业数字经济方向和经济学方向，学生在第三学期按照自愿原则进行方向分班。按照学校《关于修订本科专业人才培养方案的指导意见》，本专业毕业总学分课内学分不低于 154 学分，其中实践环节不低于 33.5 学分。课程体系由基本模块和特色模块构成（见表 1），基本模块覆盖该专业的基本毕业要求，包括人文社科基础、自然科学基础和经济学专业基础三部分，特色模块则由专业领域特色课构成，形成特色培养和彰显个性化教育。

表 1 课程体系（按学校模块）

| 模块               | 课程类别    | 课程名称  |   |   |
|------------------|---------|---|---|---|
| 基本模块（覆盖专业基本毕业要求） | 人文社科基础  | 思想道德修养与法律基础，中国近现代史纲要，毛泽东思想和中国特色社会主义理论体系概论，马克思主义基本原理概论，形势与政策，体育，大学英语，大学生心理健康教育，大学生职业规划与创业教育，大学生就业创业指导，军事理论                         |   |   |
|                  | 自然科学基础  | 高等数学，大学计算机基础，线性代数，概率论与数理统计，统计学原理，自然科学与工程技术类   |   |   |
|                  | 专业基础    | 专业导论，经济学原理，会计学，经济法，金融学，专业实习，中期论文，毕业设计（论文），中级微观经济学，中级宏观经济学，计量经济学，经济社会调查，财政学，政治经济学 I，政治经济学 II，经济思想史，当代中国经济，经济史，《资本论》选读，产业经济学、数字经济概论 |   |   |
| 特色模块             | 专业领域特色课 | 工业数字经济方向  | 专业方向课                                   | 区域经济学，发展经济学，数字经济伦理学，制度经济学，劳动经济学，专业外文文献选读，网络经济学，工业经济学  |
|                  |         | 工业数字经济方向  | 特色选修课                                   | 数字经济概论，大数据分析与应用，工业数字化转型与创新，工业企业商业模式重构，政策评估方法，跨国公司经济学，中国经济问题分析，人工智能经济学，中国经典经济学，当代世界经济与政治，区块链原理及应用，平台经济学，工业技术经济学，Python 程序设计，广东工业经济 |
|                  |         |   | 实习实训                                    | 实验经济学，多元统计分析与应用，计量经济实验，经济学沙盘模拟实验，行业经济分析，工业数字经济名家讲堂，工业数字经济分析与预测  |
|                  | 经济学方向   | 经济学方向   | 专业方向课                                   | 区域经济学，发展经济学，数字经济伦理学，制度经济学，劳动经济学，专业外文文献选读  |
|                  |         |   | 特色选修课                                   | 政策评估方法，投资经济学，服务经济学，博弈论，国际投资，国际金融，人工智能经济学，中国经典经济学，国际贸易理论，区域分析与规划，数理经济学，公共经济学，产业组织理论，服务创新   |
|                  |         | 实习实训  | 实验经济学，多元统计分析与应用，计量经济实验，经济学沙盘模拟实验，行业经济分析 |   |

从学院来看，经济与贸易学院 2020 年本科专业按金融类、经济学类、国际经济与贸易类招生。经济学专业培养方案除了公共基础课、实习实训等实践课程以外，所有课程分成四大模块（见表 2）：学院平台课、大类核心课、专业方向课和特色选修课。

表 2 专业课程体系（按学院模块）

| 课程类别  | 课程名称  |   |
|-------|---|---|
| 学院平台课 | 经济学原理，会计学，统计学原理，经济法，金融学，政治经济学 <sup>①</sup>  |   |
| 大类核心课 | 中级微观经济学，中级宏观经济学，计量经济学，财政学，经济社会调查、经济思想史、当代中国经济、经济史、《资本论》选读、产业经济学、数字经济概论  |   |
| 专业方向课 | 工业数字经济方向  | 经济学方向   |
|       | 区域经济学，发展经济学，数字经济伦理学，制度经济学，劳动经济学，专业外文文献选读，网络经济学，工业经济学  | 经济社会调查，制度经济学，产业经济学，区域经济学，发展经济学，数字经济伦理学，国际经济学，劳动经济学  |
| 特色选修课 | 大数据分析工具，工业数字化转型与创新，工业企业商业模式重构，政策评估方法，跨国公司经济学，中国经济问题分析，人工智能经济学，中国经典经济学，区域经济学，政治经济学，广东工业经济，经济学名著选读，中国经济史，区块链原理及应用，平台经济学，工业技术经济学，Python 程序设计 | 政策评估方法，投资经济学，服务经济学，博弈论，国际投资，国际金融学，人工智能经济学，中国经典经济学，国际贸易理论，中国经济问题分析，中国经济史，战略经济学，产业组织理论，服务创新，区域分析与规划，数理经济学，公共经济学 |

（本专业学生可选修本专业特色选修课，其他专业大类核心课、专业方向课以及特色选修课）

<sup>①</sup>经济学专业的政治经济学课程共 4 学分，分为政治经济学 I（2 学分）和政治经济学 II（2 学分）两部分。

# 经济学

Economics

学制：四年

Length of Schooling: 4 Years

学位：经济学学士

Degree: Bachelor of Economics

制订时间：2020年3月

Time of Formulation: Mar, 2020

## 一、培养目标

本专业依托学校强势工科学科背景，培养适应新时代中国特色社会主义经济理论与实践发展要求，系统掌握经济学基础理论和专业技能，具有高度社会责任感，善于合作、勇于创新、视野宽广，熟悉国家经济政策与法律法规，能够综合运用经济学基本理论与方法分析并解决实际问题，具备向经济学相关专业领域渗透拓展能力，具有较强创新精神和实践能力的高素质应用型人才。学生毕业后可以到各级政府经济管理部门、企事业单位、金融机构和经济咨询机构从事管理、经营、研究、分析和预测等方面的工作。

## I Educational Objectives

Based on strong engineering disciplines background, The major is training the students to adapt to the new era of socialist economic theory and practice China characteristic development requirements, to master the basic theory of economics and professional skills, to be with a high degree of social responsibility, good cooperation and innovation, broad vision, familiar with national economic policies and laws and regulations, to analyze the basic theory and method of economics and to solve practical problems, to have the economics related field penetration development ability, high-quality talents with innovation spirit and practical ability. After graduation, students can go to all levels of government economic management departments, enterprises and institutions, financial institutions and economic advisory institutions, engaged in management, operation, research, analysis and prediction.

## 二、毕业要求

- 1.工程知识：能够将数学、自然科学和经济学专业知识用于解决复杂经济问题。
- 2.问题分析：能够应用数学、自然科学、工程科学、管理科学和经济科学的基本原理，识别、表达、并通过文献研究分析现实经济问题，获得有效结论。
- 3.设计/开发解决方案：能够设计针对现实复杂经济问题的解决方案，设计满足特定需

求的系统或解决方案，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. **研究**：能够基于经济科学原理并采用科学方法对现实复杂经济问题进行研究，包括设计实验、分析与解释数据、并通过信息综合得到合理有效的结论。

5. **使用现代工具**：能够针对复杂经济问题，开发、选择与使用恰当的技术、资源、现代工程工具和信息技术工具，包括对复杂经济问题的预测与模拟，并能够理解其局限性。

6. **工程与社会**：能够基于经济相关背景知识进行合理分析，评价经济学专业实践及复杂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. **环境和可持续发展**：能够理解和评价针对复杂经济问题的专业解决方案对环境、社会可持续发展的影响。

8. **职业规范**：具有人文社会科学素养、社会责任感，能够在经济实践中理解并遵守职业道德和规范，履行责任。

9. **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. **沟通**：能够就复杂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 design 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。

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

12. **终身学习**：具有自主学习和终身学习的意识，有不断学习和适应发展的能力。

## II Graduation Requirements

**After four years of systematic study, the students should complete the following graduation requirements**

1. **Engineering Knowledge**: the ability to use mathematics, natural sciences, engineering science and economic expertise to solve complex economic problems.

2. **Problem Analysis**: the ability to use basic principles of mathematics, natural sciences, engineering, management science and management science to diagnose, express, analyze real financial problems, and obtain effective conclusions.

3. **Design/Development Solution**: Designed for solutions that complex economic problems, systems or processes that meet specific needs are designed and can reflect innovation in the design process, taking into account social, health, safety, legal, cultural, and environmental factors.

4. **Research**: Can conduct the study of real complex economic issues by using methods based on the scientific principles and the use of scientific methods, including design experiments, analyze and interpret the data, and find out reasonable and effective conclusions.

5. **Application of Modern Tools**: Be able to develop, select and use appropriate technologies, resources, modern engineering tools and information technology tools for realistic complex economic issues, including predictions and simulations of complex economic issues and understand their limitations.

**6. Engineering and Society:** Be able to conduct rational analysis based on economic related background knowledge, and evaluate the impact of economic practice on society, health, safety, law and culture, and understand the responsibilities that should be borne.

**7. Environment and Sustainable Development:** Can understand and evaluate the impact of professional solutions of economic issues on environmental and social sustainability.

**8. Occupational Norms:** Have humanities and social science literacy, and social responsibility; understand and comply with professional ethics and norms in the economic practice, to fulfill the responsibilities.

**9. Individuals and Teams:** Can undertake the role of individual, team members, team leader in the multi-disciplinary background; have team consciousness and good communication and collaboration skills.

**10. Communication:** Can effectively communicate with industry peers and the public on complex economic issues, including writing reports and design submissions, making statements, clearly expressing or responding to directives. Have international perspective, and be able to communicate under cross-cultural background.

**11. Project Management:** Understand and master management principles and economic decision-making methods, and can be applied in a multidisciplinary environment.

**12. Lifelong Learning:** Have self-learning and lifelong learning consciousness and the ability to continuous learning and adapt to development.

### 三、 专业培养特色

1. 构建“知识+技术+能力”集成式课程体系与多样化教学计划，回应多样化应用型创新人才需求。

2. 探索以能力培养为导向的教学模式，消解自主学习及能力提升障碍。

### III Characteristics of the specialty education

1. Constructing the integrated curriculum system of "knowledge + technology + ability" and diversified teaching plan, and respond to the needs of diversified and applied innovative talents.

2. Exploring the teaching mode based on ability training to dispel the obstacles of autonomous learning and ability promotion.

### 四、 专业主干学科

经济学

### IV Main discipline for the specialty

Economics

## 五、专业核心课程

经济学原理、计量经济学、政治经济学（包括政治经济学 I 和政治经济学 II）、会计学、统计学原理、金融学、财政学

### V Core courses of the specialty

Microeconomics, Macroeconomics, Econometrics, Politic economics, Accounting, Statistics, Finance, Public Finance

## 六、特色课程

双语课程：专业外文文献选读（双语）、商务与管理沟通（双语）

开放课程：发展经济学、人工智能经济学、中国经典经济学、会议运营管理

创新创业教育融入课程：行业经济分析，经济学沙盘模拟实验、工业数字经济分析与预测，工业数字经济名家讲堂，课外科技创新活动等

### VI Featured courses

**Bilingual courses:** Selective Reading of Foreign Languages (Bilingual), Business and Management Communication (Bilingual)

**Open Courses:** Development Economics, Artificial Intelligence Economics, Chinese Classic Economics, and Conference Operation Management

**Innovation and entrepreneurship education into the curriculum:** Industry economic analysis, economic sand table simulation experiment, industrial digital economy analysis and forecast, industrial digital economy famous lectures, extracurricular scientific and technological innovation activities, etc.

## 七、毕业学分要求

课内学分不低于 154 学分，其中实践环节不低于 33.5 学分。

### VII Credit requirements for graduation

Graduation total credit is not less than 154credits, Practice Credits is not less than33.5 credits.

## 八、主要实践教学环节

主要包括经济学沙盘模拟实验、军训、专业实践、中期论文、毕业实习、毕业设计（论文）、计量经济实验、实验经济学、行业经济分析、课外科技创新活动等。

### VIII Main components of practical teaching

Military training, Professional training, Professional integrated design (interim thesis ), Graduation practice, Graduation design (Thesis), Econometrics experiment, Experimental economics experiment, industry Economic Analysis, the extracurricular technological innovation activities.

### 九、课程体系的构成及课程学分分配比例

### IX Structure of the course system and proportion of course credits

#### 1、课内部分-工业数字经济方向 (Inside Campus - Industrial Digital Economics direction)

| 课程类别 Course category  |  | 内容说明 Description   | 总学分<br>Total credits | 总学时<br>Total teaching hours | 占总学分比例<br>Percentage | 小计<br>Subtotal |
|-----------------------|--|--|----------------------|-----------------------------|----------------------|----------------|
| 必修<br>Required course | 公共基础必修课<br>Basic Public Courses              | 含“思想政治理论课”、体育、大学英语、高等数学、大学物理、大学计算机基础等。<br>Courses such as Ideological & Political Theories, University Physical Education, College English, Advanced Mathematics, Basic Computer Literary. | 52.5                 | 968                         | 33.87%               | 55.81%         |
|                       | 专业基础必修课<br>Compulsory Courses                | 构筑专业基础平台的基本概念、理论和知识体系的课程<br>Courses for constructing the basic concepts, theories and knowledge hierarchy。   | 15.0                 | 240                         | 9.68%                |                |
|                       | 专业必修课<br>Specialty Courses                   | 构筑专业方向的概念、理论和知识的课程。Courses for constructing concepts, theories and knowledge of the specialty emphasis.  | 19.0                 | 304                         | 12.26%               |                |
|                       | 实验实习实训<br>Experimental and Practical Courses |  | 11.5                 |                             | 7.42%                | 20.32%         |
|                       | 设计（论文）<br>Graduation Design (Thesis)         |  | 20                   |                             | 12.90%               |                |

|                                    |   |  |            |       |             |               |
|------------------------------------|---|--|------------|-------|-------------|---------------|
| <b>选修<br/>Elective<br/>courses</b> | 全校性公共选修课<br>(至少选 12.0 学分)<br>University-Wide<br>Public Courses<br>(A Minimum of 12.0<br>Credits Required) | 指人文社科类、自然科学与<br>工程技术类全校性公选课。<br>University-wide public<br>elective courses in humanities<br>and social sciences, natural<br>sciences, and engineering. | 12.0       | 192.0 | 7.74%       | <b>23.87%</b> |
|                                    | 专业基础选修课<br>(至少选 11.0 学分)<br>Basic Specialty<br>Courses<br>(A Minimum of 11.0<br>Credits Required)         | 指相关学科和跨学科的基础<br>理论和知识的课程。Courses<br>for basic theories and<br>knowledge in the main<br>discipline and related<br>disciplines.                          | 11.0       | 176   | 7.10%       |               |
|                                    | 专业选修课<br>(至少选 12.0 学<br>分) Specialty<br>Courses<br>(A Minimum of<br>12credits Required)                   | 指学科方向和跨学科方向的<br>基础理论和知识的课程。<br>Courses for basic theories and<br>knowledge in the disciplinary<br>emphasis and interdisciplinary<br>emphasis.          | 12.0       | 192   | 7.74%       |               |
|                                    | 实验实习实训<br>(至少选 2 学分)<br>Experimental and<br>Practical Courses   |  | 2.0        |       | 1.29%       |               |
| <b>合 计</b>                         |   |  | <b>155</b> |       | <b>100%</b> | <b>100%</b>   |

2、课内部分-经济学方向 (Inside Campus - Economics direction)

| 课程类别 Course category              |                                 | 内容说明 Description  | 总学分<br>Total<br>credits | 总学时<br>Total<br>teaching<br>hours | 占总学分<br>比例<br>Percentage | 小计<br>Subtotal |
|-----------------------------------|---------------------------------|---|-------------------------|-----------------------------------|--------------------------|----------------|
| <b>必修<br/>Required<br/>course</b> | 公共基础必修课<br>Basic Public Courses | 含“思想政治理论课”、体育、<br>大学英语、高等数学、大学<br>物理、大学计算机基础等。<br>Courses such as Ideological &<br>Political Theories, University<br>Physical Education, College<br>English, Advanced<br>Mathematics, Basic Computer<br>Knowledge | 52.5                    | 968                               | 33.87%                   | <b>55.81%</b>  |
|                                   | 专业基础必修课<br>Compulsory Courses   | 构筑专业基础平台的基本概<br>念、理论和知识体系的课程<br>Courses for constructing the  | 15.0                    | 240                               | 9.68%                    |                |

|                                    |   |   |             |              |             |               |
|------------------------------------|---|---|-------------|--------------|-------------|---------------|
|                                    |   | basic concepts, theories and knowledge hierarchy。   |             |              |             |               |
|                                    | 专业必修课<br>Specialty Courses  | 构筑专业方向的概念、理论和知识的课程。Courses for constructing concepts, theories and knowledge of the specialty emphasis.                               | 19.0        | 304          | 12.26%      |               |
|                                    | 实验实习实训<br>Experimental and Practical Courses  |   | 11.5        |              | 7.42%       | <b>20.32%</b> |
|                                    | 设计（论文）<br>Graduation Design (Thesis)  |   | 20          |              | 12.90%      |               |
| <b>选修<br/>Elective<br/>courses</b> | 全校性公共选修课<br>（至少选 12.0 学分）<br>University-Wide Public Courses<br>(A Minimum of 12.0 Credits Required) | 指人文社科类、自然科学与工程技术类全校性公选课。University-wide public elective courses in humanities and social sciences, natural sciences, and engineering. | <b>12.0</b> | <b>192.0</b> | 7.74%       | <b>23.87%</b> |
|                                    | 专业基础选修课<br>（至少选 11.0 学分）<br>Basic Specialty Courses<br>(A Minimum of 11.0 Credits Required)         | 指相关学科和跨学科的基础理论和知识的课程。Courses for basic theories and knowledge in the main discipline and related disciplines.                         | 11.0        | 176.0        | 7.10%       |               |
|                                    | 专业选修课<br>（至少选 12 学分）<br>Specialty Courses<br>(A Minimum of 12 Credits Required)                     | 指学科方向和跨学科方向的基础理论和知识的课程。Courses for basic theories and knowledge in the disciplinary emphasis and interdisciplinary emphasis.          | 12.0        | 192.0        | 7.74%       |               |
|                                    | 实验实习实训<br>（至少选 2 学分）<br>Experimental and Practical Courses  |   | 2.0         |              | 1.29%       |               |
| <b>合 计</b>                         |   |   | <b>155</b>  |              | <b>100%</b> | <b>100%</b>   |

3、课外部分 (Outside Campus)

| 课程类别 Category         |  | 课程名称 Course name  | 学分 Credits   | 总学时 Total teaching hours | 实验学时 Teaching hours for Experiments                        | 实习实训学时 Teaching hours for practice | 上机学时 Teaching hours with computers |
|-----------------------|--|---|--|--------------------------|--|------------------------------------|------------------------------------|
| 必修<br>Required course | 公共教育类<br>Public Education              | 入学教育 Entrance education   | 0.5  | 0.5 周                    |  | 0.5 周                              |                                    |
|                       |  | 公益活动 Social work  | 1.0  | 16                       |  | 16                                 |                                    |
|                       |  | 社会实践 Social practice  | 2.0  | 32                       |  | 32                                 |                                    |
|                       |  | “毛泽东思想、邓小平理论和‘三个代表’重要思想概论”课外导读<br>Extra-Curricular Guided Reading of An Introduction To Mao Tsedung Thoughts, Deng Xiaoping Theory and The Important Thoughts of “Three Represents” | 1.0  | 16                       |  | 16                                 |                                    |
|                       |  | 毕业教育 Graduation Education   | 0.5  | 0.5 周                    |  | 0.5 周                              |                                    |
|                       |  | 高年级体育锻炼 Physical Exercise of Junior And Senior Students   | 1.0  | 16                       |  | 16                                 |                                    |
|                       | 专业教育类<br>Specialty Education           |   |  |                          |  |                                    |                                    |
| 小 计 Subtotal          |  |   | 6.0  | 96                       |  | 6.0                                |                                    |
| 选修<br>Elective part   | 课外活动名称<br>Extra-Curricular Activities  | 课外活动和社会实践的要求<br>Requirements For Extra-Curricular Activity and Social Practice  |  |                          |  |                                    | 课外学分<br>Extra-curricular credits   |
|                       | 英语及计算机考试<br>English and Computer Tests | 全国大学英语六级考试<br>National College English Test (CET) 6   |  |                          | 考试成绩达到学校要求者<br>Meeting score requirement of the university |                                    | 2                                  |
|                       |  | 全国计算机等级考试<br>National Computer Rank Examination (NCRE)  |  |                          | 获二级以上证书者<br>Granted certificate of or above Level 2        |                                    | 2                                  |
|                       |  | 全国计算机软件资格、水平考试<br>National computer software qualification and proficiency tests  |  |                          | 获程序员证书者<br>Granted programmer's certificate                |                                    | 2                                  |
|                       |  |   | 获高级程序员证书者<br>Granted advanced programmer's certificate |                          | 3  |                                    |                                    |

|   |   |  |  |     |
|---|---|--|--|-----|
|   |   |  | 获系统分析员证书者<br>Granted system analyst's certificate          | 4   |
| 行业资格考试<br>Professional Qualification Tests                                      | 参加全国行业资格统考<br>Nationwide uniform professional qualification tests                               |  | 获行业资格证书者<br>Granted professional qualification certificate | 1   |
| 竞赛<br>Contests  | 校级<br>University level  |  | 获一等奖者<br>Awarded first prize                               | 2   |
|   |   |  | 获二等奖者<br>Awarded second prize                              | 1   |
|   |   |  | 获三等奖者<br>Awarded third prize                               | 0.5 |
|   | 省级<br>Provincial level  |  | 获一等奖者<br>Awarded first prize                               | 3   |
|   |   |  | 获二等奖者<br>Awarded second prize                              | 2   |
|   |   |  | 获三等奖者<br>Awarded third prize                               | 1   |
|   | 全国<br>National level  |  | 获一等奖者<br>Awarded first prize                               | 5   |
|   |   |  | 获二等奖者<br>Awarded second prize                              | 4   |
|   |   |  | 获三等奖者<br>Awarded third prize                               | 3   |
| 系列讲座<br>Serial Lectures   | 参加学校组织的系列讲座<br>Attending serial lectures held on the campus                                     | 参加累计 4 场次以上<br>Attending a minimum of 4 lectures | 1  |     |
| 论文<br>Academic Papers   | 在全国性一般刊物发表论文<br>Having papers published in nationwide average journals                          | 每篇论文<br>Per paper                                | 1  |     |
|   | 核心刊物发表论文<br>Having papers published in nationwide key journals                                  | 每篇论文<br>Per paper                                | 2  |     |
| 课外科技创新活动<br>Extra-Curricular Scientific and Technological Innovation Activities | 参与课外科技创新活动<br>Participating extra-curricular scientific and technological innovation activities | 每项<br>Per event                                  | 1  |     |

## 十、课程设置及学时（学分）分配

### X Curriculum and credit allocation

#### 1、必修课（Required Course）

| 课程类别<br>Course Category | 课程名称<br>Course   | 学分<br>Credits | 总学时<br>Total Hours | 实验学时<br>The Experiment | 实习实训学时<br>Training and Experiment | 上机学时<br>Computer Practice |
|-------------------------|--|---------------|--------------------|------------------------|-----------------------------------|---------------------------|
| 必修<br>Required Courses  | 思想道德修养与法律基础<br>Cultivation of Ethic Thought & Basic Knowledge of Laws  | 3.0           | 48                 |                        | 8                                 |                           |
|                         | 大学计算机基础<br>Basic Computer Knowledge  | 2.0           | 32                 |                        |                                   | 8                         |
|                         | 中国近现代史纲要<br>Conspectus of Chinese Modern History   | 3.0           | 48                 |                        | 12                                |                           |
|                         | 毛泽东思想和中国特色社会主义理论体系概论<br>An introduction to Mao Zedong Thought and theoretical system of socialism with Chinese characteristics | 3.0           | 48                 |                        | 12                                |                           |
|                         | 习近平新时代中国特色社会主义思想概论<br>An Introduction to Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era            | 3.0           | 48                 |                        |                                   |                           |
|                         | 马克思主义基本原理概论<br>An introduction to Basic principles of Marxism  | 3.0           | 48                 |                        | 12                                |                           |
|                         | 形势与政策<br>Situation and Policy  | 2.0           | 64                 |                        | 32                                |                           |
|                         | 体育<br>Sports   | 4.0           | 144                |                        | 80                                |                           |
|                         | 大学英语<br>English  | 8.0           | 128                |                        |                                   |                           |
|                         | 大学生心理健康教育<br>College Students' Psychological Health  | 1.5           | 36                 |                        | 24                                |                           |

|   |  |           |            |  |     |    |
|---|--|-----------|------------|--|-----|----|
|   | Education  |           |            |  |     |    |
|   | 大学生职业规划与创业教育<br>College Students' Career<br>Planning and Entrepreneurship<br>Education | 1.0       | 16         |  | 8   |    |
|   | 大学生就业创业指导<br>College Students Employment<br>and Entrepreneurship<br>Guidance           | 1.5       | 24         |  | 16  |    |
|   | 军事理论<br>Military Theory  | 2.0       | 36         |  |     |    |
|   | 高等数学<br>Advanced Mathematics   | 8.0       | 128        |  |     |    |
|   | 线性代数<br>Linear Algebra   | 2.0       | 32         |  |     |    |
|   | 概率论与数理统计<br>Probability & Statistic  | 3.5       | 56         |  |     |    |
|   | 大学语文与写作<br>Art of Chinese Language &<br>Writing  | 2         | 32         |  |     |    |
|   | 小 计  | 51.5      | 952        |  | 192 | 16 |
| 专业基础必修<br>Basic<br>Specialty<br>Courses | 经济学原理*<br>Principles of Economics  | 3         | 48         |  |     |    |
|   | 会计学**/**<br>Accounting   | 2.5       | 40         |  |     |    |
|   | 统计学原理**/**<br>Statistical Principle  | 2.5       | 40         |  |     |    |
|   | 政治经济学 I **<br>The Political Economics I  | 2         | 32         |  |     |    |
|   | 政治经济学 II **<br>The Political Economics II  | 2         | 32         |  |     |    |
|   | 金融学**/**<br>Finance  | 3         | 48         |  |     |    |
|   | 小 计  | <b>15</b> | <b>240</b> |  |     |    |
| 专业必修课<br>Specialty<br>Courses           | 专业导论<br>Professional Introduction  | 1         | 16         |  |     |    |
|   | 计量经济学**<br>Econometrics  | 3         | 48         |  |     | 16 |
|   | 中级微观经济学**<br>Microeconomics for<br>Intermediate Level                                  | 2         | 32         |  |     |    |
|   | 财政学 Public Finance   | 2         | 32         |  |     |    |
|   | 中级宏观经济学**  | 2         | 32         |  |     |    |

|  |  |  |                         |     |    |     |
|--|--|--|-------------------------|-----|----|-----|
|  |  | Intermediate Macroeconomics                                |                         |     |    |     |
|  |  | 经济思想史 (BL)<br>History of Economic Thought                  | 2                       | 32  |    |     |
|  |  | 当代中国经济<br>Economic Issues in<br>Contemporary China         | 1.5                     | 24  |    |     |
|  |  | 经济史 Economic History                                       | 2                       | 32  |    |     |
|  |  | 《资本论》选读<br>Selected Readings in <i>On Capital</i>          | 1.5                     | 24  |    |     |
|  |  | 数字经济概论<br>Introduction to Digital<br>Economy               | 2                       | 32  |    |     |
|  |  | 小 计  | 19                      | 304 |    |     |
|  |  | 实验实习实<br>训<br>Experimenta<br>l and<br>Practical<br>Courses | 军训<br>Military Training | 2.0 | 32 |     |
|  | 专业实习<br>Professional Practice              |  | 8                       | 8周  |    | 128 |
|  | 工程训练<br>Engineering Training               |  | 1.5                     | 24  |    |     |
|  | 小计   |  | 11.5                    |     |    |     |
|  | 设计(论文)<br>Graduation<br>Design<br>(Thesis) | 中期论文<br>Interim Thesis                                     | 2.0                     | 2周  |    |     |
|  |  | 毕业设计(论文)<br>Graduation Design ( Thesis)                    | 18.0                    | 18周 |    |     |
|  |  | 小计   | 20.0                    |     |    |     |

2、选修课 ( Elective Course)

| 课程类别<br>Course Category   | 课程名称<br>Course  | 学分<br>Credits | 总学<br>时<br>Total<br>Hours | 实验学<br>时<br>The<br>Experim<br>ent | 实习实<br>训学时<br>Training<br>and<br>Experim<br>ent | 上机<br>学时<br>Comput<br>er<br>Practice |
|---------------------------|---|---------------|---------------------------|-----------------------------------|---|--------------------------------------|
| 选修<br>Elective<br>Courses | 自然科学与工程技术类<br>Courses of Natural Science &<br>Engineering<br>(至少选 6.0 学分)<br>Subtotal(A minimum of 6.0<br>credits required) | 6.0           | 96                        |                                   |   |                                      |
|                           | 人文社科类<br>Courses of Social & Culture<br>(至少选 6.0 学分)<br>(A minimum of 6.0 credits<br>required)                              | 6.0           | 96                        |                                   |   |                                      |

|   |   |   |                                      |                    |                        |                                   |                           |  |
|---|---|---|--------------------------------------|--------------------|------------------------|-----------------------------------|---------------------------|--|
|   |   | 小计（至少选 12.0 学分）                             | 12.0                                 | 192                |                        |                                   |                           |  |
| 专业基础选修课（工业数字经济方向）<br>Basic Specialty Courses (Industrial Digital Economics direction) |   | 制度经济学<br>Institutional economics            | 2                                    | 32                 |                        |                                   |                           |  |
|   |   | 经济社会调查<br>Economic and Social Investigation | 3                                    | 48                 |                        | 16                                |                           |  |
|   |   | 数字经济伦理学<br>Digit Business Ethics            | 2                                    | 32                 |                        |                                   |                           |  |
|   |   | 区域经济学<br>Regional economics                 | 2                                    | 32                 |                        |                                   |                           |  |
|   |   | 发展经济学#<br>Development Economics             | 2                                    | 32                 |                        |                                   |                           |  |
|   |   | 产业经济学<br>Industrial Economics               | 2                                    | 32                 |                        |                                   |                           |  |
|   |   | 工业经济学<br>Industry Economic                  | 2                                    | 32                 |                        |                                   |                           |  |
|   |   | 网络经济学<br>Network Economics                  | 2                                    | 32                 |                        |                                   |                           |  |
|   |   | 小计（至少选 11 学分）                               | 11.0                                 | 176.0              |                        |                                   |                           |  |
|   | 专业基础选修课（经济学方向）<br>Basic Specialty Courses (Economics direction) |   | 经济社会调查<br>Economic and social survey | 3.0                | 48.0                   |                                   | 16                        |  |
|   |   |   | 制度经济学<br>institutional economics     | 2.0                | 32.0                   |                                   |                           |  |
|   |   | 产业经济学<br>Industrial economics               | 2.0                                  | 32.0               |                        |                                   |                           |  |
|   |   | 区域经济学<br>Regional Economics                 | 2.0                                  | 32.0               |                        |                                   |                           |  |
|   |   | 发展经济学<br>Development Economics              | 2.0                                  | 32.0               |                        |                                   |                           |  |
|   |   | 数字经济伦理学<br>Digital business ethics          | 2.0                                  | 32.0               |                        |                                   |                           |  |
|   |   | 国际经济学<br>International Economics            | 2.0                                  | 32.0               |                        |                                   |                           |  |
|   |   | 劳动经济学<br>Labor Economics                    | 2.0                                  | 32.0               |                        |                                   |                           |  |
|   | 小计（至少选 11 学分）   | 11.0  | 176.0                                |                    |                        |                                   |                           |  |
|   |   |   |                                      |                    |                        |                                   |                           |  |
| 课程类别<br>Course Category   |   | 课程名称<br>Course                              | 学分<br>Credits                        | 总学时<br>Total Hours | 实验学时<br>The Experiment | 实习实训学时<br>Training and Experiment | 上机学时<br>Computer Practice |  |
| 选修  | 专业选修课   | 平台经济学                                       | 2                                    | 32                 |                        |                                   |                           |  |

|                         |  |  |   |    |  |  |    |
|-------------------------|--|--|---|----|--|--|----|
| <b>Elective Courses</b> | (工业数字经济方向)<br>Specialty Elective Courses<br>(Industrial Digital Economics direction) | Platform Economics   |   |    |  |  |    |
|                         |  | 工业技术经济学<br>Industrial Technology Economics                               | 2 | 32 |  |  |    |
|                         |  | Python 程序设计<br>Python Programming language                               | 3 | 48 |  |  | 32 |
|                         |  | 区块链原理及应用<br>Principle and application of blockchain                      | 2 | 32 |  |  |    |
|                         |  | 大数据分析工具<br>Big Data Analysis and Tools                                   | 3 | 48 |  |  | 16 |
|                         |  | 工业数字化转型与创新<br>Industrial Digital Transition and Innovation               | 2 | 32 |  |  |    |
|                         |  | 工业企业商业模式重构<br>Restructuring of Business Models of Industrial Enterprises | 2 | 32 |  |  |    |
|                         |  | 政策评估方法<br>Policy Evaluation Method                                       | 2 | 32 |  |  |    |
|                         |  | 经济法*<br>The Economic Law   | 2 | 32 |  |  |    |
|                         |  | 消费心理学<br>Consumer Psychology   | 2 | 32 |  |  |    |
|                         |  | 财务管理<br>Financial Management   | 2 | 32 |  |  |    |
|                         |  | 管理学<br>Management Science  | 2 | 32 |  |  |    |
|                         |  | 投资经济学<br>Investment Economics  | 2 | 32 |  |  |    |
|                         |  | 服务经济学<br>Service Economics   | 2 | 32 |  |  |    |
|                         |  | 中国经典经济学#<br>Chinese Classic Economics                                    | 2 | 32 |  |  |    |
|                         |  | 市场营销学<br>Marketing   | 2 | 32 |  |  |    |
|                         |  | 跨国公司经济学<br>Economics of Transnational Corporations                       | 2 | 32 |  |  |    |
|                         |  | 国际金融学<br>International Finance   | 2 | 32 |  |  |    |
|                         |  | 人工智能经济学#<br>Artificial Intelligence                                      | 2 | 32 |  |  |    |

|  |  |     |      |  |    |
|--|--|-----|------|--|----|
|  | Economics  |     |      |  |    |
|  | 中国经济问题分析#<br>Analysis of China's<br>Economic Problems      | 2   | 32   |  |    |
|  | 中国经济史<br>The History of China's<br>Economy                 | 2   | 32   |  |    |
|  | 战略经济学<br>Strategic Economics                               | 2   | 32   |  |    |
|  | 劳动经济学<br>Labor Economics                                   | 2   | 32   |  |    |
|  | 专业外文文献选读 (BL)<br>Selective Reading of Foreign<br>Documents | 1   | 16   |  |    |
|  | 文化经济学<br>Cultural Economics                                | 2   | 32   |  |    |
|  | 当代世界经济与政治<br>Contemporary World<br>Economy and Politics    | 1.5 | 24   |  |    |
|  | 广东工业经济<br>Industrial Economy in<br>Guangdong               | 2   | 32   |  |    |
|  | 经济学名著选读<br>Selection of Famous<br>Economics Books          | 1   | 16   |  |    |
|  | 小计   | 12  | 192  |  |    |
| 专业选修课<br>(经济学方<br>向)<br>Specialty<br>Elective<br>Courses<br>(Economics<br>direction) | 政策评估方法<br>Policy Evaluation<br>methodology                 | 2.0 | 32.0 |  |    |
|  | 消费心理学<br>Consumer psychology                               | 2.0 | 32.0 |  |    |
|  | 财务管理<br>Financial Management                               | 2.0 | 32.0 |  |    |
|  | 服务管理<br>Service Management                                 | 2.0 | 32.0 |  |    |
|  | 经济法<br>Economic Law  | 2.0 | 32.0 |  |    |
|  | 大数据分析工具<br>Big data analysis and tools                     | 3.0 | 48.0 |  | 16 |
|  | 服务营销<br>Services marketing                                 | 1.5 | 24.0 |  |    |
|  | 博弈论<br>Game Theory   | 2.0 | 32.0 |  |    |

|   |     |      |  |   |  |
|---|-----|------|--|---|--|
| 投资经济学<br>Investment Economics                                   | 2.0 | 32.0 |  |   |  |
| 服务经济学<br>Service Economics                                      | 2.0 | 32.0 |  |   |  |
| 中国经典经济学<br>Chinese Classical Economics                          | 2.0 | 32.0 |  |   |  |
| 国际投资<br>International Investment                                | 2.0 | 32.0 |  |   |  |
| 国际金融学<br>International Finance                                  | 2.0 | 32.0 |  |   |  |
| 人工智能经济学<br>Economics of artificial intelligence                 | 2.0 | 32.0 |  |   |  |
| 产业政策理论与实践<br>Theory and Practice of industrial policy           | 2.0 | 32.0 |  |   |  |
| 国际贸易理论<br>Theory of International Trade                         | 3.0 | 48.0 |  |   |  |
| 中国经济问题分析<br>Analysis of China's economic problems               | 2.0 | 32.0 |  |   |  |
| 中国经济史<br>Chinese Economic History                               | 2.0 | 32.0 |  |   |  |
| 战略经济学<br>Strategy Economics                                     | 2.0 | 32.0 |  | 8 |  |
| 产业组织理论<br>Industrial Organization Theory                        | 2.0 | 32.0 |  |   |  |
| 区域分析与规划<br>Regional analysis and planning                       | 2.0 | 32.0 |  |   |  |
| 服务创新<br>Service Innovation                                      | 2.0 | 32.0 |  |   |  |
| 数理经济学<br>Mathematical Economics                                 | 2.0 | 32.0 |  |   |  |
| 公共经济学<br>Public Economics                                       | 2.0 | 32.0 |  |   |  |
| 广东工业经济<br>Guangdong Industrial Economy                          | 2.0 | 32.0 |  |   |  |
| 专业外文文献选读<br>Selected reading of professional foreign literature | 1.0 | 16.0 |  |   |  |

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|--|---|------|-------|----|----|----|
|  | 当代世界经济与政治<br>Contemporary World<br>Economy and Politics             | 1.5  | 24.0  |    |    |    |
|  | 经济学名著选读<br>Selected classics of<br>Economics                        | 1.0  | 16.0  |    |    |    |
|  | 集聚经济学<br>Economics of agglomeration                                 | 2.0  | 32.0  |    |    |    |
|  | 小计（至少选 12 学分）   | 12.0 | 192.0 |    |    |    |
| 实验实习实<br>训<br>Experimental<br>and Practical<br>Courses | 实验经济学<br>Experimental Economics                                     | 2.0  | 32    | 32 |    | 32 |
|  | 多元统计分析与软件应用<br>Multivariate Analysis &<br>Software Application      | 2.0  | 32    | 32 |    |    |
|  | 计量经济实验<br>Econometrics Experiment                                   | 2.0  | 32    | 32 |    |    |
|  | 行业经济分析<br>Industry Economic Analysis                                | 2.0  | 32    |    | 32 |    |
|  | 经济学沙盘模拟实验<br>Economic Sand Table<br>Simulation Experiment           | 2.0  | 32    | 32 |    |    |
|  | 工业数字经济分析与预测<br>Industry Digital Economic<br>Analysis and Prediction | 2.0  | 32    |    | 32 |    |
|  | 工业数字经济名家讲堂<br>Seminar of Industrial Digital<br>Economy specialists  | 1.0  | 16    |    | 16 |    |
|  | 小计（至少选 2 学分）  | 2    | 32    |    |    |    |

附录

1、毕业要求对培养目标的支撑

表 1 经济学专业毕业要求与论证标准的毕业要求

|            |   |   |   |   |   |   |   |   |   |    |    |    |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|
| 通用标准毕业要求项  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 本专业目标相应支撑项 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

表 2 经济学专业毕业要求支撑专业培养目标

| 培养目标<br>毕业要求 | 技术研究 | 技术应用 | 合作交流 | 道德修养 | 学习创新 | 服务社会 |
|--------------|------|------|------|------|------|------|
| 1.工程知识       | M    | H    |      |      |      | L    |
| 2.问题分析       | M    | H    |      |      | M    |      |
| 3.设计/开发解决方案  | M    | H    |      |      | M    |      |
| 4.研究         | H    | M    |      |      | M    | L    |
| 5.使用现代工具     |      | H    | H    |      | H    |      |
| 6.工程与社会      |      | H    |      | M    |      | M    |
| 7.环境和可持续发展   |      | H    |      | L    |      | M    |
| 8.职业规范       |      |      | L    | H    |      | H    |
| 9.个人和团队      |      |      | M    | M    |      | H    |
| 10.沟通        |      |      | H    | M    | M    |      |
| 11.项目管理      |      |      | H    |      | H    | M    |
| 12.终身学习      |      |      | M    |      | H    | L    |

备注：支撑度类别：H:强支撑，M:一般支撑，L:弱支撑

## 2、专业课程对毕业要求的支撑

表 3 经济学专业课程体系对毕业要求的支撑

| 课程  | 1.<br>工程知<br>识 | 2.<br>问题分<br>析 | 3.<br>设计/开<br>发解决<br>方案 | 4.<br>研究 | 5.<br>使用现<br>代工具 | 6.<br>工程与<br>社会 | 7.<br>环境和<br>可持续<br>发展 | 8.<br>职业规<br>范 | 9.<br>个人<br>和团队 | 10.<br>沟通 | 11.<br>项目管<br>理 | 12.<br>终身学<br>习 |
|---|----------------|----------------|-------------------------|----------|------------------|-----------------|------------------------|----------------|-----------------|-----------|-----------------|-----------------|
| 思想道德修养与法律基础<br>Cultivation of Ethic Thought &<br>Basic Knowledge of Laws  |                |                |                         |          |                  | √               | √                      | √              |                 |           |                 |                 |
| 大学计算机基础<br>Basic Computer Knowledge   | √              |                |                         |          | √                |                 |                        |                |                 |           |                 |                 |
| 中国近现代史纲要<br>Conspectus of Chinese Modern<br>History   |                |                |                         |          |                  |                 | √                      | √              |                 |           |                 |                 |
| 毛泽东思想和中国特色社会主<br>义理论体系概论<br>An introduction to Mao Zedong<br>Thought and theoretical system<br>of socialism with Chinese<br>characteristics |                |                |                         |          |                  |                 |                        | √              |                 |           |                 |                 |
| 习近平新时代中国特色社会主义思想概论<br>An Introduction to Xi Jinping<br>Thought on Socialism with<br>Chinese Characteristics for a<br>New Era                |                |                |                         |          |                  |                 |                        | √              |                 |           |                 |                 |
| 马克思主义基本原理概论<br>An introduction to Basic<br>principles of Marxism  |                |                |                         |          |                  |                 |                        | √              |                 |           |                 |                 |
| 形势与政策<br>Situation and Policy   |                |                |                         |          |                  | √               | √                      | √              |                 |           |                 |                 |
| 体育<br>Sports  |                |                |                         |          |                  |                 |                        |                | √               | √         |                 |                 |
| 大学英语<br>English   |                |                |                         |          |                  |                 |                        |                |                 | √         |                 |                 |
| 大学语文与写作<br>Art of Chinese Language &<br>Writing   |                |                |                         |          |                  |                 |                        |                |                 | √         |                 | √               |
| 大学生心理健康教育<br>College Students' Psychological<br>Health Education  |                |                |                         |          |                  |                 |                        |                |                 |           |                 | √               |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|
| 大学生职业规划与创业教育<br>College Students' Career<br>Planning and Entrepreneurship<br>Education |   |   |   |   |   |   |   | √ |   |   |   | √ |
| 大学生就业创业指导<br>College Students Employment<br>and Entrepreneurship Guidance              |   |   |   |   |   |   |   |   |   |   |   | √ |
| 军事理论<br>Military Theory  |   |   |   |   |   |   |   | √ |   |   |   |   |
| 高等数学<br>Advanced Mathematics   | √ |   |   |   |   |   |   |   |   |   |   |   |
| 线性代数<br>Linear Algebra   | √ |   |   |   |   |   |   |   |   |   |   |   |
| 概率论与数理统计<br>Probability & Statistic  | √ |   |   |   |   |   |   |   |   |   |   |   |
| 经济学原理<br>Principles of Economics   |   | √ | √ | √ |   |   | √ |   |   |   | √ | √ |
| 会计学<br>Accounting  | √ | √ | √ |   | √ | √ | √ | √ |   |   | √ |   |
| 统计学原理<br>Statistical Principle   | √ | √ | √ |   | √ | √ | √ | √ |   |   | √ |   |
| 经济法<br>The Economic Law  | √ | √ | √ |   |   |   |   |   | √ |   |   |   |
| 金融学<br>Finance   | √ | √ |   | √ |   |   | √ |   |   |   | √ | √ |
| 专业导论<br>Professional Introduction  |   | √ | √ |   |   |   |   | √ | √ |   |   | √ |
| 经济社会调查<br>Economic and Social<br>Investigation   |   | √ | √ | √ | √ |   |   |   |   |   |   |   |
| 中级微观经济学<br>Microeconomics<br>for Intermediate Level                                    | √ | √ | √ |   | √ |   | √ |   |   |   |   |   |
| 政治经济学（I II）<br>The Political Economics   | √ | √ | √ | √ |   |   | √ |   |   | √ |   | √ |
| 经济思想史<br>History of Economic Thought   | √ | √ | √ |   |   |   | √ |   |   | √ |   | √ |
| 当代中国经济<br>Economic Issues in<br>Contemporary China                                     | √ | √ |   | √ | √ |   | √ |   |   |   |   | √ |
| 经济史<br>Economic History  | √ | √ |   | √ | √ |   | √ |   |   |   |   | √ |

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| 《资本论》选读<br>Selected Readings in <i>On Capital</i>                              | √ | √ |   | √ | √ |   | √ |   |   | √ |   | √ |
| 管理学<br>Management Science  | √ | √ | √ |   |   |   | √ |   | √ |   |   |   |
| 中级宏观经济学<br>Intermediate Macroeconomics   | √ | √ | √ | √ | √ |   |   |   |   |   | √ |   |
| 产业经济学<br>Industrial Economics  | √ | √ | √ | √ | √ |   | √ |   | √ |   | √ |   |
| 制度经济学<br>Institutional economics   | √ | √ | √ | √ |   |   | √ |   |   |   |   | √ |
| 计量经济学<br>Econometrics  | √ | √ | √ |   | √ | √ | √ |   | √ |   | √ |   |
| 数字经济伦理学<br>Digit Business Ethics   | √ | √ | √ | √ |   |   | √ |   | √ |   |   | √ |
| 区域经济学<br>Regional economics  | √ | √ | √ | √ |   |   | √ |   | √ |   | √ |   |
| 发展经济学<br>Development Economics   | √ | √ | √ | √ |   |   | √ |   | √ |   | √ |   |
| 数字经济概论<br>Introduction to Digital Economy                                      | √ | √ | √ | √ |   |   |   |   |   |   |   |   |
| 大数据分析工具<br>Big Data Analysis and Tools   | √ | √ | √ | √ |   |   |   |   |   |   |   |   |
| 区块链原理及应用<br>Principle and application of blockchain                            | √ | √ | √ | √ | √ | √ | √ | √ |   |   | √ | √ |
| 网络经济学<br>Network Economics   | √ | √ | √ |   |   |   |   |   |   |   |   |   |
| 工业经济学<br>Industry Economic   | √ | √ |   |   | √ |   |   |   |   |   | √ | √ |
| 平台经济学<br>Platform Economics  | √ | √ | √ |   |   |   |   |   |   |   |   |   |
| 工业技术经济学<br>Industrial Technology Economics                                     | √ | √ | √ | √ | √ | √ | √ | √ |   |   | √ | √ |
| Python 程序设计<br>Python Programming language                                     | √ | √ | √ | √ |   |   |   |   |   |   |   |   |
| 工业数字化转型与创新<br>Introduction to Industrial Digital Transformation and Innovation | √ | √ | √ | √ |   |   |   |   |   |   |   |   |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|
| 工业企业商业模式重构<br>Restructuring of Business Models of Industrial Enterprises | √ | √ | √ | √ |   |   |   |   |   |   |   |   |
| 政策评估方法<br>Policy Evaluation Method                                       | √ | √ | √ | √ |   |   | √ |   |   |   | √ |   |
| 财务管理<br>Financial management   | √ | √ | √ |   | √ | √ |   | √ |   |   | √ |   |
| 财政学<br>Public Finance  | √ | √ | √ | √ |   |   | √ |   | √ |   |   | √ |
| 投资经济学<br>Investment economics  | √ | √ | √ |   | √ |   |   |   | √ | √ | √ |   |
| 中国经典经济学<br>Chinese classic economics                                     | √ | √ | √ | √ |   |   | √ |   |   |   |   | √ |
| 市场营销学<br>Marketing   | √ | √ | √ |   | √ |   |   | √ | √ | √ | √ |   |
| 跨国公司经济学<br>Economics of Transnational Corporations                       | √ | √ | √ | √ |   |   |   |   |   | √ |   |   |
| 金融学<br>Finance   | √ | √ | √ | √ |   |   |   |   |   | √ |   |   |
| 人工智能经济学<br>Artificial intelligence Economics                             | √ | √ | √ |   |   |   |   | √ |   |   |   |   |
| 中国经济问题分析<br>Analysis of China's economic problems                        | √ | √ | √ |   | √ | √ | √ | √ | √ | √ |   |   |
| 中国经济史<br>The History of China's Economy                                  | √ | √ | √ | √ |   |   |   |   |   | √ |   | √ |
| 劳动经济学<br>Labor Economics   | √ | √ | √ | √ |   |   | √ | √ |   |   |   | √ |
| 专业外文文献选读<br>Selective Reading of Foreign Documents                       | √ | √ |   | √ | √ |   |   |   | √ | √ |   |   |
| 当代世界经济与政治<br>Contemporary World Economy and Politics                     | √ | √ |   | √ |   |   | √ |   |   | √ |   | √ |
| 广东工业经济<br>Industrial Economy in Guangdong                                | √ | √ | √ | √ |   |   | √ |   |   |   |   |   |
| 经济学名著选读<br>Selection of Famous Economics                                 | √ | √ | √ | √ |   |   |   |   |   | √ |   | √ |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Books   |   |   |   |   |   |   |   |   |   |   |   |   |
| 服务营销<br>Service Marketing                             |   | √ | √ |   |   |   |   |   |   |   | √ |   |
| 会展经济学<br>Convention & Exhibition Economics            |   | √ |   |   |   | √ | √ |   |   |   |   |   |
| 服务经济学<br>Service Economics                            |   | √ | √ |   |   | √ | √ |   |   |   |   | √ |
| 区域分析与规划<br>Regional Analysis and Planning             | √ | √ |   | √ | √ |   |   |   |   |   | √ | √ |
| 服务创新<br>Service Innovation                            | √ | √ |   | √ | √ |   |   |   |   |   | √ | √ |
| 集聚经济学<br>Economics of Agglomeration                   | √ | √ |   | √ | √ |   |   |   |   |   | √ | √ |
| 消费心理学<br>Consumer psychology                          | √ | √ |   |   |   |   |   | √ |   |   |   |   |
| 战略经济学<br>Economics of Strategy                        | √ | √ |   |   | √ |   | √ |   |   |   |   |   |
| 博弈论<br>Game Theory                                    | √ | √ | √ | √ | √ |   |   |   | √ | √ |   | √ |
| 产业政策理论与实践<br>Theory and Practice of industrial policy | √ | √ | √ | √ | √ |   |   |   | √ |   | √ | √ |
| 国际贸易理论<br>Theory of International Trade               | √ | √ | √ | √ | √ |   |   |   | √ |   |   | √ |
| 产业组织理论<br>Industrial Organization Theory              | √ | √ | √ | √ | √ |   |   |   | √ |   |   | √ |
| 国际投资<br>International Investment                      | √ | √ | √ | √ | √ |   |   |   | √ | √ |   | √ |
| 军训<br>Military Training                               |   |   |   | √ | √ |   |   |   | √ |   |   | √ |
| 专业实习<br>Professional practice                         |   |   | √ |   |   | √ |   | √ | √ | √ |   | √ |
| 工程训练<br>Engineering Training                          |   |   | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 毕业设计（论文）<br>Graduation design ( Thesis)               |   | √ | √ | √ | √ |   |   | √ |   |   | √ |   |
| 中期论文<br>Interim thesis                                |   | √ | √ | √ | √ |   |   | √ |   |   |   |   |
| 实验经济学（实验）<br>Experimental Economics                   |   | √ | √ |   | √ | √ |   |   | √ | √ | √ |   |

|   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 多元统计分析与软件应用<br>Multivariate Analysis &<br>Software Application      |   | √ | √ |   | √ | √ |   |   | √ |   | √ |   |
| 计量经济实验<br>Econometrics Experiment                                   |   | √ | √ |   | √ | √ |   |   | √ | √ |   |   |
| 行业经济分析<br>Industry Economic Analysis                                |   | √ | √ |   | √ | √ | √ | √ | √ | √ |   |   |
| 经济学沙盘模拟实验<br>Economic Sand Table<br>Simulation Experiment           |   |   | √ | √ | √ | √ |   |   | √ | √ |   |   |
| 工业数字经济分析与预测<br>Industry Digital Economic<br>Analysis and Prediction | √ | √ | √ | √ | √ |   |   |   |   |   | √ | √ |
| 工业数字经济名家讲堂<br>Seminar of Industrial Digital                         | √ | √ | √ | √ | √ |   |   |   |   |   | √ | √ |