College: Agriculture	
Discipline: Crop science	
Educational Objective:	
To master the solid theoretical basis of crop science, systematic and in-depth professional knowledge and well-trained practical skills. To be familiar with the history, current situation and development trend of this discipline. To obtain the ability to independently engage in crop science related work and scientific research, teaching and promotion work, and can explore in the forefront of discipline development.	
1. Agronomy and Crop Science	
Code: 095131	Teaching Language: Chinese
Study Level: Master	Term of Study: 3 years
Research Fields:	
01 Crop Management Technology 02 Precision Agriculture Technology 03 Crop Genetic Engineering 04 Crop Breeding Technology 05 Ecological Agriculture Technology 07 Seed Production Technology 08 Seed Quality Control Technology	
2. Agricultural Engineering and Information Technology	
Code: 095136	Teaching Language: Chinese
Study Level: Master	Term of Study: 3 years
Research Fields:	

01 Remote Sensing Monitoring of Agricultural Conditions
02 System Simulation and Design
03 Precision Agriculture Management
04 Agricultural Internet of Things (IoT)
05 Intelligent Equipment Systems
06 Agricultural Big Data
07 Agricultural Software Engineering

3. Crop Genetics and Breeding

Code: 090102	Teaching Language: English
Study Level: PhD	Term of Study: 4 years

Research Fields:

01 Principles and methods of plant breeding
02 Research and Utilization of Plant breeding Genetic Resources
03 Cell Genetics and Breeding of Plants
04 Quantitative Genetics and Breeding of Plants
05 Molecular Genetics and Breeding of Plants
06 Plant Genomics and Molecular Breeding
07 Plant cells and Genetic engineering Breeding
08 Seed science and technology
09 Analysis and Utilization of Biological Information
10 Germplasm Genomics

College: Resources and Environmental Sciences

Discipline: Agricultural Resources and Environment

Educational Objective:

Master the solid fundamental theories and systematic specialized knowledge of the discipline area; Have the ability to engage in scientific and technological research, and to understand the frontier of the subject; Have a wide range of knowledge and strong adaptability.

1. Resource Utilization and Plant Protection

Code: 095132	Teaching Language: Chinese
Study Level: Master	Term of Study: 3 years

Research Fields:

04 No Research Field Specialization

2. Agricultural Resources and Environment

Code: 090300	Teaching Language: English
Study Level: PhD	Term of Study: 4 years

Research Fields:

01 Soil Science and Soil Health
02 Plant Nutrition and Stress Regulation
03 Agricultural Environmental Protection and Remediation
04 Waste Recycling Technologies and Engineering
05 Agricultural Carbon Sequestration, Emission Reduction, and Carbon Neutrality

College: Plant Protection

Discipline: Plant Protection

Educational Objective:

To provide students with a systematic and in-depth understanding of plant protection theory and the ability to engage in independent scientific research. Graduates will be competent in teaching, scientific research, and technical management in the fields of plant pathology, agricultural entomology, and pesticide science.

1. Resource Utilization and Plant Protection

Code: 095132	Teaching Language: Chinese
Study Level: Master	Term of Study: 3 years

Research Fields:

01 Integrated Management of Crop Diseases
02 Integrated Management of Agricultural Pests
03 Rational Application Technology of Pesticides

2.Plant Pathology

Code: 090401	Teaching Language: English
Study Level: PhD	Term of Study: 4 years
Research Fields:	
01 Fungal Diseases of Plants 02 Bacterial Diseases of Plants 03 Viral Diseases of Plants 04 Plant Nematode Diseases 05 Oomycete Diseases of Plants 06 Plant Disease Resistance 07 Biological Control of Plant Diseases 08 Plant Quarantine and Invasion Biology 09 Molecular Mechanisms of Plant－Pathogen Interactions	

College：Engineering

Discipline：Agricultural Engineering

Educational Objective:

Master the basic theory and systematic specialized knowledge of a certain field ofagricultural engineering, understand the research status and the development trend of the research direction; have strong ability to analyse problems and solve practical problems, and have new insights in theoretical research or technical research.

1. Machinery

Code: 085500	Teaching Language: Chinese
Study Level: Master	Term of Study: 3 years
Research Fields:	
00 No Research Field Specialization	

College: Food Science and Technology

Discipline: Food Science and Technology
Educational Objective:
Possess strong abilities in knowledge acquisition, scientific research, and academic communication. Master's degree students are capable of identifying and analyzing scientific and engineering problems related to their undergraduate field of study in practical contexts, and resolving them through scientific experimentation. They are equipped with the competencies required for scientific research, engineering technology development, as well as public communication and consultancy in areas such as food safety, food nutrition, and food processing. Additionally, they demonstrate a certain level of entrepreneurial capability.
1. Food Processing and Safety

Code: 095135	Teaching Language: Chinese
Study Level: Master	Term of Study: 3 years

Research Fields:
01 No Research Field Specialization

College: Economics and Management
Discipline: Agricultural and Forestry Economics and Management
Educational Objective:
Master solid and broad basic theories and in-depth systematic specialized knowledge in the field of agricultural and forestry economics and management; Have the ability to engage in economic analysis and social practice independently; Be familiar with the development frontier of the subject and make creative achievements in the research topic.

1.Agricultural Management	
Code: 095137	Teaching Language: Chinese
Study Level: Master	Term of Study: 3 years
Research Fields:	
01 Rural and Regional Development 02 Agricultural Business Management	

学院：农学院

一级学科：作物学
培养目标：
掌握作物学坚实宽广的理论基础、系统深入的专业知识和训练有素的实践技能；熟悉本学科的历史、现状和发展动态；具有独立从事作物学相关工作及科研、教学和推广工作的能力，能在学科发展的前沿上探索。

1.农艺与种类	
专业代码：095131	授课语言：中文
层次：硕士	学制：3 年
研究方向：	
01 (全日制)作物管理技术 02 (全日制)精确农作技术 03 (全日制)作物基因工程 04 (全日制)作物育种技术 05 (全日制)生态农业技术 07 (全日制)种子生产技术 08 (全日制)种子质量控制技术	

2.农业工程与信息技术	
专业代码：095136	授课语言：中文
层次：硕士	学制：3 年
研究方向：	
01 (全日制)农情遥感监测 02 (全日制)系统模拟与设计 03 (全日制)农作精确管理 04 (全日制)农业物联网 05 (全日制)智能装备系统 06 (全日制)农业大数据 07 (全日制)农业软件工程	
3.作物遗传育种	
专业代码：090102	授课语言：英文
层次：博士	学制：4 年
研究方向：	
01 植物育种的原理和方法 02 植物遗传资源的研究和利用 03 植物细胞遗传与育种 04 植物数量遗传与育种 05 植物分子遗传与育种 06 植物基因组学研究与分子育种 07 植物细胞与基因工程 08 种子科学与技术 09 生物信息分析与利用 10 种质基因组学	
学院：资源与环境科学学院	
一级学科：农业资源与环境	
培养目标：	
掌握本学科领域内坚实的理论基础和系统的专门知识，具有从事科学和技术研究的能力，了解本学科前沿；具有较宽的知识面和较强的适应性。	

1.资源利用与植物保护	
专业代码：095132	授课语言：中文
层次：硕士	学制：3 年
研究方向：	
04（全日制)不区分研究方向	

2.农业资源与环境	
专业代码：090300	授课语言：英文
层次：博士	学制：4 年
研究方向：	
01（全日制)土壤学与土壤健康 02（全日制)植物营养学与逆境调控 03（全日制)农业环境保护与治理 04（全日制)废弃物资源化技术与工程 05（全日制)农业固碳减排与碳中和	

学院：植物保护学院

一级学科：植物保护
培养目标：
具有系统深入的植物保护学理论和独立从事科学研究的能力，能胜任植物病理学、农业昆虫学、农药学相关的的教学、科研和技术管理工作。

1.资源利用与植物保护	
专业代码：095132	授课语言：中文
层次：硕士	学制：3 年
研究方向：	

01 (全日制)农作物病害综合治理
02 (全日制)农业害虫综合治理
03 (全日制)农药合理应用技术

2.植物病理学	
专业代码：090401	授课语言：英文
层次：博士	学制：4 年
研究方向：	

01 (全日制)植物真菌病害
02 (全日制)植物细菌病害
03 (全日制)植物病毒病害
04 (全日制)植物线虫病害
05 (全日制)植物卵菌病害
06 (全日制)植物抗病性
07 (全日制)植物病害生物防治
08 (全日制)植物检疫与入侵生物学
09 (全日制)植物与病原菌互作分子机制

学院：工学院

一级学科：农业工程

培养目标：

要求掌握农业工程学科某一领域的基础理论和系统的专门知识，了解所从事研究方向的研究现状和发展趋势；具有较强的分析问题和解决实际问题的能力，在理论研究或技术研究中有新见解。

1.机械	
专业代码：085500	授课语言：中文
层次：硕士	学制：3 年
研究方向：	

00（全日制)不区分研究方向

学院：食品科技学院

一级学科：食品科学与工程

培养目标：

具有较强的获取知识、科学研究和学术交流的能力；硕士研究生能在实践中对本科学领域涉及的科学技术和工程问题进行鉴别、分析，并通过科学实验加以解决，具备从事科学研究、工程技术开发工作以及食品安全、食品营养、食品工艺等相关专业知识的公众传播和咨询的能力，并具有一定的自主创业能力。

1.食品加工与安全

专业代码：095135	授课语言：中文
层次：硕士	学制：3 年

研究方向：

01（全日制)不区分研究方向

学院：经济管理学院

一级学科：农林经济管理

培养目标：

在农林经济管理学科领域内掌握坚实宽广的基础理论和深入系统的专门知识；具有独立从事经济分析和社会实践能力；熟悉本学科发展前沿并在所研究的课题中取得创造性成果。

1.农业管理	
专业代码：095137	授课语言：中文
层次：硕士	学制：3 年
研究方向：	

01 (全日制)农村与区域发展
02 (全日制)农业经营管理