常州大学

Changzhou University

硕士留学研究生培养方案

Master's Degree Program for Overseas Students

土 木 工 程

Civil Engineering

专业代码 （0814）

(Discipline Code: 0814)

一、学科简介

2018 年获得土木工程一级学科硕士学位授予权。本学科已形成了由 81 名成员组成的学术团队，其中，正高职称 13 人，博士 60 人。团队成员中有江苏省“333 人才（二层次）”1 人，“青蓝工程”中青年学术带头人 1 人，江苏省“六大人才高峰”培养对象 1 人，其他省级高层次人才 10 人。近五年来，本学科承担国家级科研项目 15 项，省市级科研项目 30 余项，累计科研经费总额超过 3000 万元。发表论文 500 余篇，发明专利授权 200 余项；出版教材与专著 10 余部。目前，学科具有实验室面积 3000 平方米，仪器设备总价值超过 2600 万元。

A. Discipline introduction

In 2018, the college received approval to grant a master's degree in civil engineering. The academic team has 81 members, including 13 professors and 60 doctors. Among the team members, there are one “333 Talent (Level 2)” in Jiangsu Province, one academic leader of Jiangsu Cyan Project in young and middle ages, one high-level talent of six talent peaks project in Jiangsu Province and 10 academic leaders of other provincial disciplines. In the past five years, the discipline has undertaken 15 national-level scientific research projects, more than 30 provincial/municipal-level scientific research projects, and accumulated scientific research funds totaling more than 30 million yuan. The discipline has published more

than 500 papers, more than 200 invention patents, and more than 10 textbooks and monographs. At present, the discipline has a laboratory area of 3000 square meters, and the total value of instruments and equipment exceeds 26 million yuan.

二、培养目标

（1）了解中国的文化、政治与经济，掌握一定程度的汉语。

（2）掌握土木工程学科坚实的基础理论和系统的专门知识，具有从事科学研究工作或独立担负专门技术工作的能力。

（3）具有良好的学术道德和敬业精神，身心健康。

B. Cultivating Objectives

a. to enable overseas students to have a comprehensive understanding of China, including its politics, economy as well as culture and to enable them to have basic capability to understand and communicate with others in Chinese.

b. to equip overseas students with all-round basic theories and systematic and professional knowledge in discipline of civil engineering, and with skills to do scientific research independently so as to make creative contributions in science and technology.

c. to benefit students' physical and mental health, and to provide them with good academic ethics and spirits and to cultivate their scientific and practical learning attitude and working style.

三、学习年限

采用全日制学习方式，学习年限一般为 2.5 年。

C. Study Duration

The master's program requires 3 years of full-time study.

四、主要研究方向

1. 结构工程

2. 岩土工程

3. 土木工程材料

D. Research Field

1. Structural Engineering

2. Geotechnical Engineering

3. Civil Engineering Materials

五、课程设置

E. Curriculum Provision

类别 Category	课程名称 Course Name	学时 Learning Hour	学分 Credit	开课学期 Learning Semester	开课学院 Teaching School	授课方式 Teaching methods	考试方式 Assessment	备注 Remarks
A 类学位课 Degree Course A	汉语综合 Chinese Synthesis	108	6	1,2				14 学分 (Credit)
	汉语听说 Chinese Listening and	36	2	2				
	汉语阅读 Chinese Reading	36	2	3				
	中国概况 Brief Introduction of	36	2	1				
	中国文化 Chinese Culture	36	2	2				
B 类学位课 Degree Course B	高等混凝土结构理论 Advanced Theory of Concrete Structures	48	3	1	土木工程 CE	讲授 Teaching	考试 Exam	≥12 学分 (Credit)
	高等土木工程材料 Advanced Civil Engineering Materials	48	3	1	土木工程 CE	讲授 Teaching	考试 Exam	
	弹塑性力学 Elastic-Plastic Mechanics	32	2	1	土木工程 CE	讲授 Teaching	考试 Exam	
	损伤力学 Damage Mechanics	32	2	1	土木工程 CE	讲授 Teaching	考试 Exam	

类别 Category	课程名称 Course Name	学时 Learning Hour	学分 Credit	开课学期 Learning Semester	开课学院 Teaching School	授课方式 Teaching methods	考试方式 Assessment	备注 Remarks
	高等土力学 Advanced Soil Mechanics	32	2	1	土木工程 CE	讲授 Teaching	考试 Exam	
	数值计算与力学仿真技术 Numerical Methods and Simulation Technology in Mechanics	32	2	1	土木工程 CE	讲授 Teaching	考试 Exam	
C 类专业方向选修课 Degree Elective Course C	土木工程学科前沿讲座 Lecture on the Frontier of Civil Engineering	48	3	1	土木工程 CE	讲授 Teaching	考查 Test	≥12 学分 (Credit)
	信息检索及科技论文写作 Information Retrieval and Scientific Paper Writing	48	3	1	土木工程 CE	讲授 Teaching	考查 Test	
	高等钢结构理论 Advanced Theory of Steel Structures	48	3	1	土木工程 CE	讲授 Teaching	考查 Test	

类别 Category	课程名称 Course Name	学时 Learning Hour	学分 Credit	开课学期 Learning Semester	开课学院 Teaching School	授课方式 Teaching methods	考试方式 Assessment	备注 Remarks
	结构动力学 Structural dynamics	48	3	1	土木工程 CE	讲授 Teaching	考查 Test	
	高等基础工程 Advanced Foundation Engineering	48	3	1	土木工程 CE	讲授 Teaching	考查 Test	
	岩土工程稳定与加固技术 Stability and Reinforcement Techniques in Geotechnical Engineering	48	3	1	土木工程 CE	讲授 Teaching	考查 Test	
	高性能及多功能混凝土 High Performance and Multifunctional Concrete	48	3	1	土木工程 CE	讲授 Teaching	考查 Test	
	新型建筑材料利用及案例分析 Utilization of New Building Materials and Case Analysis	48	3	1	土木工程 CE	讲授 Teaching	考查 Test	

六、学位论文工作

F. Dissertation Request

参照《常州大学学术学位硕士研究生培养方案（总则）》实施。

As for the requirements of dissertation writing, please refer to the *Changzhou University Academic Degree Master Program Training Program* (*General*).