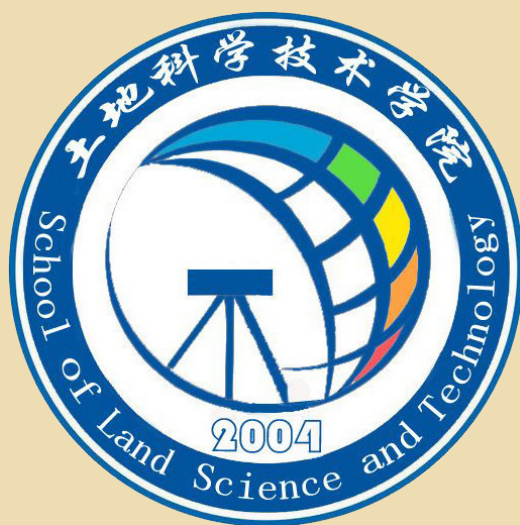


# 土地科学技术学院

School of Land Science and Technology



# 自然资源登记与管理专业培养方案

## 一、专业培养目标

本专业面向国家战略发展，围绕自然资源监管和保护需要，培养德、智、体、美、劳全面发展，适应现代自然资源行业发展需求，掌握自然资源产权确定、调查、登记、管理、信息化的基本理论与技术方法，具备创新精神、实践能力和人文素养，可在自然资源管理、城乡建设、生态环境等领域从事资源与资产登记与管理工作的复合型专门人才。经过 5 年的实际工作，能够达到胜任自然资源管理领域的组织领导、技术服务、政策制定、司法工作的岗位要求。

## 二、毕业要求

本专业毕业学生应有正确的政治方向、良好的思想品德和健全的人格，具备人文社会科学和自然科学素养，熟悉资源科学、法学、管理学、测绘科学与技术等领域的知识体系，掌握自然资源构成要素调查、地籍管理、自然资源登记实务、权属纠纷调处、多维地籍信息化、资源资产管理等方面的基本理论、方法和技能，并熟悉本专业及相关领域最新动态和发展趋势，具备较强的社会调查、语言表达与写作能力，能够从事资源与资产登记与管理相关领域工作。

## 三、主干学科

公共管理、测绘科学与技术、法学。

## 四、学制与学位

学制四年。学生修满规定的最低毕业学分，达到毕业要求后，授予管理学学士学位。

## 五、核心课程

自然资源学、自然资源经济学、自然资源管理学、民法学、行政法与行政诉讼法学、自然资源管理法、不动产登记法、地籍调查与管理、地籍测量学、自然资源评价、自然资源估价、自然资源登记、地理信息系统原理等课程。

# Undergraduate Program in Natural Resources Registration and Management

## 1. Academic Objectives

Being oriented to the development of national strategies and focused on the needs of natural resources regulation and protection, this major cultivates students for having the all-around development of moral, intellectual, physical, aesthetics and labor education, for adapting to the needs of development of modern natural resources professions, for grasping the basic theories and technical methods of delimitation, investigation, registration, management and informatization of natural resources property rights, and for having innovative spirit, practical ability and humanistic quality, with the aim at being qualified as interdisciplinary professionals engaged in resources and assets registration and management in the fields of natural resources management, urban and rural construction and ecological environment. After 5 years of practical work, the students are able to meet the post requirements of organization and leadership, technical service, policy-making, and judicial work in the field of natural resources management.

## 2. Graduation Requirements

The graduates need to have qualifications for correct political direction, good ideological and moral character, sound personality and the accomplishments of humanities and social sciences and natural sciences, be familiar with the knowledge system of resource science, law, management, surveying and mapping science and technology, grasp the basic theories, methods and skills of natural resources elements investigation, cadastral management, natural resources registration practice, property rights dispute solution and mediation, multi-dimensional cadastral informatization, resources and assets management, know the latest development and trends in this major and related fields, and also have the strong ability of social investigation, language expression and writing, for being qualified and engaged in the fields of resources and assets registration and management.

## 3. Main disciplines

Public management, Surveying and mapping, Science of law.

## 4. Length of Schooling and Degree

Four-year academic period. Degree conferred: Bachelor of Management.

## 5. Core Courses

Natural Resources Science, Natural Resources Economics, Natural Resources Management, Civil Law, Administrative Law and Administrative Procedural Law, Natural Resources Management Law, Real Estate Registration Law, Cadastral Investigation and Management, Cadastral Surveying, Natural Resources Accounting and Evaluation, Natural Resources Appraisal, Natural Resources Registration, Principles of Geographic Information Systems, etc.

## 六、最低毕业总学分要求及学分分配 (Minimum Required Credits and Distribution)

课程模块 Course module	课程类别 Course Classification	学时数 Hours	学分 Credits	学 期 Semester											
				1	2	1 夏	3	4	2 夏	5	6	3 夏	7	8	
通识教育 Liberal Education	通识教育必修课程 Required Courses of General Education	698	38	11	13	1	4	5		3	1				
	通识教育选修课程 Selective Courses of General Education	192	12												
专业教育 Professional Education	学科基础课程 Disciplinary Fundamental Courses	848	53	7	14.5		14	8.5		5	4				
	专业核心课程 Specialized Fundamental Courses	328	20.5				2	8.5		6	4				
	专业拓展课程 Specialized Development	96	6												
实践教育 Practical Education	课程实践 Course Practice	30 周 +32 学时	26		1	6				4	2		7	6	
	课外实践 Extracurricular practice		6												
必修课总学分 Required course credits				137.5											
选修课总学分 Elective course credits				24											
最低毕业总学分 Total Credits				161.5											

## 七、课程设置 (Curriculum)

### 1、通识教育必修课程 (Required Courses of General Education): 698 学时 (698 Hours), 38 学分 (38 Credits)

课程代码 Course Code	课程名称 Course Name	总学时 Hours	学分 Credits	讲课学时 Lecture	实验学时 Experiment	线上学时 Online	考核方式 Assessment	开课学期 Semester	备注 Notes
GR181009	思想道德与法治 Ideological Morality and Rule of Law	48	3	40	8		考试 Exam	1	
GR181008	中国近现代史纲要 Essentials of Modern Chinese History	48	3	40	8		考试 Exam	2	
GR182014	马克思主义基本原理 Fundamental Principles of Marxism	48	3	40	8		考试 Exam	3	
GR183004	毛泽东思想和中国特色社会主义理论体系概论 Introduction to Mao Zedong Thoughts and Theoretical System of the Chinese Characteristic Socialism	64	4	48	16		考试 Exam	4	
GR181012	习近平新时代中国特色社会主义思想概论 Introduction to Xi Jinping Thoughts on Socialism with Chinese Characteristics in the New Era	32	2	28	4		考试 Exam	5	
GR180005	形势与政策 Situation and Policies	32	2	32			考查 Term Paper	1-8	
GR301004	大学生职业生涯规划与就业指导 (1) Career Planning and Employment Guidance for University Students (1)	20	1	16	4		考试 Exam	2	
GR303005	大学生职业生涯规划与就业指导 (2) Career Planning and Employment Guidance for University Students (2)	18	1	12	6		考试 Exam	6	
GR301005	大学生心理素质教育 (1) Mental Health (1)	16	1	16			考查 Term Paper	1	
GR303005	大学生心理素质教育 (2) Mental Health (2)	16	1	16			考查 Term Paper	5	

课程代码 Course Code	课程名称 Course Name	总学时 Hours	学分 Credits	讲课学时 Lecture	实验学时 Experiment	线上学时 Online	考核方式 Assessment	开课学期 Semester	备注 Notes
GR302008	军事理论 Military Theory	36	1	36			考试 Exam	2 夏	
GR081071	大学英语 (1) College English(1)	64	4	64			考试 Exam	1	
GR081072	大学英语 (2) College English(2)	32	2	32			考试 Exam	2	
GR081067	大学英语素质拓展课 Competence-oriented Education for College English	32	2	32			考试 Exam	2	
GR141005	体育 (1) (系列课程) Physical Education (1)	32	1		32		考试 Exam	1	
GR141006	体育 (2) (系列课程) Physical Education(2)	32	1		32		考试 Exam	2	
GR142007	体育 (3) (系列课程) Physical Education(3)	32	1		32		考试 Exam	3	
GR142008	体育 (4) (系列课程) Physical Education(4)	32	1		32		考试 Exam	4	
GR041003	程序设计基础 A Fundamentals of Programming A	64	4	24	24	16	考试 Exam	2	
总计 Total		698	38	476	206	16			

2、通识教育选修 (Selective Courses of General Education): 192 学时 (192Hours), 12 学分 (12 Credits)

序号 No.	课程类别 Courses Classification	课程名称 Courses Name	学分 Credits	考核方式 Assessment	开课学期 Semester	备注 Notes
1	人文社科类 (含在线课程) Humanities and Social Sciences Courses (Inc. Online courses)	见附件 1	7	考查 Term Paper	2-8	4 个类别中选修 7 个学分, 其中,《大学生安全教育》(1 学分) 必选。
2	自然科学类 (含在线课程) Natural Science Courses (Inc. Online Courses)	见附件 2		考查 Term Paper	2-8	
3	自然文化类 Natural Culture Courses	见附件 3		考查 Term Paper	2-8	
4	体育与健康类 Sports and Health Courses	见附件 4		考查 Term Paper	5-8	
5	创新创业教育类 (含在线课程) Innovation and Entrepreneurship Courses (Inc. Online Courses)	见附件 5	3	考查 Term Paper	2-8	选修 3 个学分, 其中《新生研讨课》(1 学分) 必选。
6	审美与艺术类 Aesthetics and Art Courses	见附件 6	2	考查 Term Paper	2-4	
总计 Total			12			

### 3、学科基础课程 (Disciplinary Fundamental Courses): 848 学时 (848 Hours), 53 学分 (53 Credits)

课程代码 Course Code	课程名称 Course Name	总学时 Hours	学分 Credits	讲课学时 Lecture	实验学时 Experiment	线上学时 Online	考核方式 Assessment	开课学期 Semester	备注 Notes
IS121153	自然资源登记与管理专业导论课 Introduction to Natural Resources Registration and Management	16	1	16			考查 Term Paper	1	
DR191003	高等数学 B(1) Advanced Mathematics B(1)	96	6	96			考试 Exam	1	
DR191004	高等数学 B(2) Advanced Mathematics B(2)	64	4	64			考试 Exam	2	
DR011036	地球科学概论 Introduction to Earth Science	64	4	32	32		考试 Exam	2	
DR122001	测量学 A Surveying	40	2.5	24	16		考试 Exam	2	
DR121147	民法学 Civil Law	32	2	32			考试 Exam	2	
DR121154	公共管理学原理 Principles of Public Management	32	2	32			考试 Exam	2	
DR192005	线性代数 Linear Algebra	32	2	32			考试 Exam	3	
DR192006	概率论与数理统计 Probability and Mathematics Statistic	48	3	48			考试 Exam	3	
DR122155	全球卫星导航系统应用 Applications of Global Navigation Satellite System	32	2	22	10		考试 Exam	3	



课程代码 Course Code	课程名称 Course Name	总学时 Hours	学分 Credits	讲课学时 Lecture	实验学时 Experiment	线上学时 Online	考核方式 Assessment	开课学期 Semester	备注 Notes
DR122175	行政法与行政诉讼法学 Administrative Law and Administrative Procedural Law	32	2	32			考试 Exam	3	
DR122156	自然资源管理法 Natural Resources Management Law	32	2	32			考试 Exam	3	
DR122157	自然资源学 Natural Resources Science	48	3	40	8		考试 Exam	3	
DR122158	自然资源经济学 Natural Resources Economics	48	3	48			考试 Exam	4	
DR122136	遥感原理与应用 Principles and Applications of Remote Sensing	48	3	32	16		考试 Exam	4	
DR122159	土壤与植物地理学 Pedogeography and Phytogeography	40	2.5	32	8		考试 Exam	4	
SR123141	国土空间规划 Territorial Spatial Planning	48	3	32	16		考试 Exam	5	
DR123160	生态学基础 Fundamentals of Ecology	32	2	32			考试 Exam	5	
DR124041	房屋建筑学基础 Fundamentals of Housing Architecture	32	2	24	8		考试 Exam	6	
DR123161	自然资源登记与管理专业英语 Professional English for Natural Resources Registration and Management	32	2	32			考试 Exam	6	
总计 Total		816	53	702	114				

4、专业核心课程 (Core Professional Courses): 328 学时 (328 hours), 20.5 学分 (20.5 Credits)

课程代码 Course Code	课程名称 Course Name	总学时 Hours	学分 Credits	讲课时 Lecture	实验学时 Experiment	线上学时 Online	考核方式 Assessment	开课学期 Semester	备注 Notes
SR122162	不动产登记法 Real Estate Registration Law	32	2	28	4		考试 Exam	4	
SR122163	自然资源管理学 Natural Resources Management	32	2	32			考试 Exam	3	
SR122151	自然资源评价 Natural Resources Evaluation	32	2	26	6		考试 Exam	4	
SR122164	地籍调查与管理 Cadastral Investigation and Management	32	2	26	6		考试 Exam	4	
DR122148	地籍测量学 Cadastral Surveying	40	2.5	26	14		考试 Exam	4	
DR122137	地理信息系统原理 B Principles of Geographic Information Systems B	48	3	20	28		考试 Exam	5	
SR123165	自然资源估价 Natural Resources Valuation	48	3	38	10		考试 Exam	5	
SR123166	自然资源保护与管理 Natural Resources Conservation and Management	32	2	28	4		考试 Exam	6	
SR123132	自然资源登记 Natural Resources Registration	32	2	26	6		考试 Exam	6	
总计 Total		328	20.5	250	78				

5、专业拓展课程 (Specialized Development Courses): 96 学时 (96 hours), 6 学分 (6 Credits)

课程代码 Course Code	课程名称 Course Name	总学时 Hours	学分 Credits	讲课学时 Lecture	实验学时 Experiment	线上学时 Online	考核方式 Assessment	开课学期 Semester	备注 Notes
SS122115	自然资源调查与管理 Natural Resources Investigation and Management	32	2	32			考查 Term Paper	3	
DR123149	城乡详细规划 Urban-Rural Detailed Planning	32	2	16	16		考试 Exam	5	
SR123011	地图学 Cartography	32	2	32			考试 Exam	5	
SR123065	环境影响评价 Environmental Impact Assessment	32	2	26	6		考查 Term Paper	5	
SR123143	土地整治学 B Land Consolidation B	32	2	24	8		考试 Exam	5	
SR123066	土地规划设计 Land Planning and Design	48	3	32	16		考试 Exam	6	
SS123167	现代城市更新 Modern Urban Redevelopment	32	2	24	8		考查 Term Paper	6	
SR123114	人工智能与地学大数据 Artificial Intelligence and Geoscience Big Data	32	2	24	8		考试 Exam	6	
SS123117	遥感技术与地学应用 Remote sensing technology and geoscience application	32	2	24	8		考查 Term Paper	6	
SS124168	生态经济学 Ecological Economics	32	2	24	8		考查 Term Paper	7	
DR124040	房地产经营与管理 Real Estate Investment and Management	32	2	24	8		考试 Exam	7	
SS124120	科研论文写作与实践 Scientific paper writing and practice	32	2	24	8		考查 Term Paper	7	
总计 Total		400	25	306	94				

### 6、课程实践 (Practice Course): 30 周 +32 学时 (30 weeks and 32 hours), 26 学分 (26 Credits)

课程代码 Course Code	课程名称 Course Name	周数 (学时) Week(hour)	学分 Credits	考核方式 Assessment	开课学期 Semester	备注 Notes
PR311003	军事技能训练 Military Theory and Practice	2 周	2	考查 Term Paper	1 夏	
PR181010	思想政治社会实践 Political Social Practice	32 学时	2	考查 Term Paper	1 夏	
PR011044	北戴河地质实习 Geological Survey Field Trip in Beidaihe	2 周	2	考查 Term Paper	1 夏	
PR122059	测量实习 Surveying Practice	1 周	1	考查 Term Paper	2	
PR122169	自然资源调查与评价实习 Natural Resources Investigation and Evaluation Practice	4 周	4	考查 Term Paper	2 夏	
PR123170	自然资源估价实习 Natural Resources Valuation Practice	2 周	2	考查 Term Paper	5	
PR123171	自然资源登记综合实习 Comprehensive Practice of Natural Resources Registration	3 周	3	考查 Term Paper	3 夏	
PR123172	自然资源综合利用与保护规划实习 Practice of Comprehensive Utilization and Conservation Planning of Natural Resources	4 周	4	考查 Term Paper	3 夏	
PR124173	毕业设计 (论文) Graduation Design (Thesis)	12 周	6	考查 Term Paper	8	
总计 Total		30 周 +32 学时	26			

### 7、课外实践 (Extracurricular practice): 6 学分 (6 Credits)

包括主题教育活动、社会实践、志愿服务、勤工助学、学科竞赛、文体活动、创新创业活动、劳动实践等, 其学分的认定按照教务处相关规定执行。

Extracurricular practice include Theme Education, Social Practice, Volunteer Service, Work-study Program, Discipline Competition, Cultural and Sports Activities, Innovative and Entrepreneurial Activities, Labor Practice and so on. The recognition of the credits for extracurricular practice shall be implemented according to the regulations of Academic Affairs Office.