

2019 版·工程管理（本科/英文授课）培养方案（四年制）

Curriculum of Construction Management (Undergraduate Program/4-year/2019version)

一、Training Objective 培养目标

Our objective is to train senior professionals in international construction management who possess basic knowledge in civil engineering technology and management, economics, law, emergency management, and have a solid theoretical foundation, strong practical ability, high comprehensive quality, and innovative spirit. 培养具有土木工程技术和工程、经济学、法学、应急管理基础知识的国际高级工程管理人才，理论基础扎实、实践能力强、综合素质高和创新精神。

二、Professional Characteristics 专业特色

For government agencies and business units engaged in various engineering and construction activities, developing solid basic knowledge of civil engineering, master the theory, methods and means of modern engineering management science, mastering investment and engineering cost management, intelligent management of engineering projects, cities Core skills such as emergency management, practical talents who can engage in full-process management in the areas of infrastructure construction and urban emergency management. 本专业注重培养扎实掌握土木工程基础知识，掌握现代工程管理科学的理论、方法和手段，掌握投资和工程造价管理，工程项目智能化管理，城市应急管理等核心技能，能够在基础设施建设和城市应急管理领域从事全过程管理的实用型人才。

Students in Construction Management Program will gain a solid professional knowledge of civil engineering, master the theory, methods and processes of modern construction management and develop core skills of project investment, cost management, intelligent management of construction projects and emergency management. Students in Construction Management Program will be talents who can engage in full-process management in the areas of civil construction and urban emergency management. 工程管理专业的学生将获得扎实的土木工程专业知识，掌握现代工程管理的理论、方法和过程，培养项目投资、成本管理、工程智能化管理和应急管理核心技能。工程管理专业的学生将是能够在民用建筑和城市应急管理领域从事全过程管理的人才。

三、Major Courses 主干课程

The major courses of Construction Management contain Management, Economics, Accounting, Engineering Economics, Construction Project Management, Engineering Valuation, Engineering Financial Management, Engineering Mechanics, Disaster Prevention and Mitigation Management, etc.

工程管理主干课程包括管理学、经济学、会计学、工程经济学、工程项目管理、工程计价、工程财务管理、工程力学、防灾减灾管理等。

四、Educational system: 4-year 学制：4年

Degree Awarded: Bachelor of Management（授予学位：管理学学士）

五、Graduation Requirements 毕业标准：120学分

Students must complete a minimum credit of 120 as follows.

1. General required courses: 51 credits （公共必修课：51 学分）
2. Professional required courses: 61 credits （专业必修课：61 学分）
3. Professional elective courses: 8 credits （专业选修课：8 学分）

	Course No. 课程编码	Course Title 课程名	Chinese Title 中文名	Credit 学分	Total Hours 总学时	Lecture Hours 授课学时	Experiment Hours 实验学时	Computer Hours 上机学时	Semester 开课学期	Schools 开课学院	Remarks
公共必修课	7611411	Linear Algebra	线性代数	3	48	48			1		Total 51 credits
	7611311	Higher Mathematics I	高等数学 I	8	128	128			1		
	7617401	Programming for Engineer and Sciences	工程师和科学编程	3	48	48			1		
	L000101	Chinese I	汉语（I）	4	64	64			1		
	L000401	Introduction to China	中国概况	4	64	64			2		
	L000102	Chinese II	汉语（II）	4	64	64			2		
	7611312	Higher Mathematics II	高等数学 II	8	128	128			2		
	L000103	Chinese III	汉语（III）	4	64	64			3		
	7234211	World History	世界历史	3	48	48			3		
	L000104	Chinese IV	汉语（IV）	4	64	64			4		
	7603521	Business Chinese (I)	商务汉语（I）	3	48	48			5		
	7603531	Business Chinese (II)	商务汉语（II）	3	48	48			6		
专业必修课	7621701	Measurement	测量	2	32	16	16		2		Total 61 credits
	7605411	Management	管理学	3	48	48			4		
	7603711	Principle of Economics (I)	经济原理（I）	4	64	64			3		
	7603721	Principle of Economics (II)	经济原理（II）	4	64	64			4		
	7604011	Accounting	会计学	4	64	64			5		
	7621403	Engineering Mechanics	工程力学	4	64	64			3		
	7602101	Architectural Materials	建筑材料	2	32	32			4		
	7217042	Engineering Economics	工程经济学	3	48	32	16		4		
	7121412	Construction Project Management	工程项目管理	3	48	48			4		
	760641	Structural Mechanics	结构力学	3	48	48			5		
	7309602	Engineering Financial Management	工程财务管理	3	48	48			5		
	7216502	Construction Estimating	工程估价	3	48	48			6		
	7308802	Disaster Management for Prevention and Mitigation	防灾减灾管理	3	48	48			6		
	7602301	Architectural Facility	建筑设备	4	64	64			7		
	7305202	Graduation Project (Thesis)	毕业设计	16	16 周	16 周			8		
专业选修课	7602201	Construction	建筑构造	2	32	32			3		At least 8 credits
	7098802	Logistics & Supply chain Management	物流与供应链管理	3	48	48			5		
	7073602	Heat Pump Technology	热泵技术	3	48	48			7		
	7220902	Emergency Management and Search & Rescue Technology	应急救援技术与管理	2	32	32			7		

	731102	Public security management	公共安全管理	3	48	48			7		
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注：measurement 和 Management 两门课在系统中未调整，因为 2020 春季学期已开出课，以防调整之后出现问题。具体需要咨询教务处之后进行操作。2020.1.17