

建筑学专业本科培养方案

Undergraduate Program for Architecture

一、培养目标

I、Educational Objectives

培养适应我国社会主义经济发展和城镇化建设需要，德、智、体、美等方面全面发展，掌握建筑学科的基本理论、知识和方法体系，接受建筑师专业技能基本训练，具有创新精神和开放视野，在城乡建设领域能够胜任建筑学、城市规划及相关领域设计与管理工作的复合型专门人才。

The program provides students with innovation and open view, trains students to master the basic theories and professional skills of architecture, which enable them to be competent for the careers on architecture design or management of urban & rural construction or other related areas.

二、培养规格

II、Cultivation Standards

I) 学制

Length of Schooling

修业年限：5 年

Duration: 5 years

II) 学位

Degree

授予学位：工学学士学位

Degrees conferred: Bachelor of Engineering

III) 人才培养基本要求

Basic requirements for Cultivation

1. 具有较扎实的自然科学基础、较宽广的人文社会科学基础，较好的外语语言能力，具有良好的思想道德品质、文化素质与美学修养；

Require students to have a strong foundation of natural science and humanities & arts, with a good foreign language ability, and have a good character in moral, cultural and aesthetics;

2. 熟练掌握计算机应用操作，具有扎实的学科基础理论与基本技能，掌握建筑设计、城市规划与景观设计的基本原理与方法。毕业后能够从事建筑设计、城市规划、景观设计等领域的设计、管理或研究工作；

Use computer skillfully. Learn both theories and skills of architecture, master the basic

principles and methods of architecture design, urban planning and landscape design. After graduation, he can design, manage or research in the fields of architecture design, urban planning and landscape design, etc;

3 了解中外建筑历史和民族建筑的发展,熟悉城乡建筑设计与相关规划设计的方针、政策与法律法规;

Learn the history of Chinese and foreign architecture and the development of national architecture, familiar with the principles, policies and laws of architecture design and urban planning;

4. 了解土木工程、建筑设备、环境保护、建筑经济等相邻学科基本知识,并具有一定的多工种间组织协调能力。

Understanding the basic knowledge of adjacent disciplines such as civil engineering, construction equipment, environmental protection, and construction economy, and have certain inter-species organization and coordination capabilities.

三、核心课程

III、Core Courses

素描 (Literary Sketch)、色彩 (Color)、建筑概论 (Introduction to Architecture)、视觉设计基础 (Basic Design of Visual)、建筑设计基础 (Preliminary Architecture Design)、建筑设计 (Architecture design)、中外建筑史 (History Of Chinese & Foreign Architecture)、建筑力学 (Architectural Mechanics)、建筑测绘 (Mapping of Architecture)、建筑工程制图 (Engineering Drafting)、建筑装饰材料 (Construction Materials)、建筑构造 (Building Construction)、建筑物理 (Building Physics)、结构设计原理 (Principles of Structure Design)、城乡规划原理 (The principle of Urban and Rural Planning)、城市设计概论 (Introduction to Urban Design)、住区规划与分析 (Neighbourhood Planning)。

四、主要实践性教学环节

IV、Main Internship and Practical Training

专业参观 (Professional Visit)、专业调查 (Professional Research)、专业考察 (Professional Inspection)、民居建筑测绘 (Mapping of Village Architecture)、民族建筑考察 (Architecture Inspection)、设计院实习 (Design Institute Practice)、工地实习 (Site Practice)、毕业实习 (Graduation Practice)、毕业设计 (Graduation Project)。

五、学时与学分

V、Hours/Credits

学时学分构成表

Table of Hours and Credits

课程类别 Courses Classified		学时/周数 Period/Weeks	学分 Credits		学分比例 Proportion of Credits	
			理论 Theory	实践 Practice		
通识课程平台 General Courses Platform	通必 General Compulsory	646	26	9	17.1%	
	通选 General Elective	192	12		5.8%	
学科基础课程平台 Basic Courses Platform	必修 Compulsory	884	42		20.6%	
	选修 Elective	288	12		5.8%	
专业课程平台 Major Courses Platform	必修 Compulsory	540	26.5		12.9%	
	选修 Elective	428	23.5		11.5%	
实践教学平台 Practical Teaching Platform	必修 Compulsory	53w		49	23.9%	
	选修 Elective					
创新创业平台 Innovation and Entrepreneurship Platform	创新学分 Innovation Credits		3		2.4%	
	创业学分 Entrepreneurship Credits		2			
小计 Amount	必修学分 总数 Compulsory Credits	157.5	选修学分 总数 Elective Credits	47.5	选修学分比例 Proportion of Elective Credits	23.2%
	理论学分 总数 Theory Credits	151	实践学分 总数 Practice Credits	54	实践教学环节比例 Proportion of Internship and Practical Training	26.3%
最低毕业学分 The Lowest Graduate Credits		205				

学期学分分配表

Division of Credits of Each Term

各学期学分分配 Division of Credits of Each Term 课程类别 Courses Classified		学期 Term									
		一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th	九 9th	十 10th
通识课程平台 General Courses Platform	通必 General Compulsory	10	7	6	6	5	1				
	通选（建议） General Elective （suggestive）		2	2	2	2	2	2			
学科基础课程平台 Basic Courses Platform	必修 Compulsory	13.5	10.5	5	8	2	3				
	选修 Elective		2	4	4	2					
专业课程平台 Major Courses Platform	必修 Compulsory			3		5	7	8.5	3		
	选修 Elective				2	4	5	4	8.5		
实践教学平台 Practical Teaching Platform	必修 Compulsory	2	5	5	2	2	5	2	2	13	14
	选修 Elective										
小计 Amount		25.5	26.5	25	24	22	23	16.5	13.5	13	14
创新创业平台 Innovation and Entrepreneurship Platf orm	创新学分 Innovation Credits	3									
	创业学分 Entrepreneurship Credits	2									
最低毕业学分 The Lowest Graduate Credits		205									

注① 学分比例：各教学平台或教学环节占最低毕业学分的比例。

②实践教学环节，包括集中性实践教学环节和实验教学（不含体育）。集中性实践教学环节，包括培养方案内集中实施的实践、实习、课程设计、毕业设计、毕业论文、社会调查等；实验教学，包括课内实验和独立开设实验。

③学期学分分配表中，选修课须规定每学期最少修读的学分。

六、教学进程计划表 / VI、Teaching Schedule Form

表一：通识课程平台 / Form I:General Course Platform

表一(A)：通识必修课程(通选课)/Form I (A):General Compulsory Courses(General Required)

课程编号 Course Code	课程名称 Course Names	学分数 Cr.	总学时 Hrs.	学时类型 Period Classification				各学期周学时分配 Division of class-hour in Every Week of Each Term								备注 Notes	
				理论 The.	实验 Exp.	实践 Pra..	习题 Ueb	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th		
				109100000418	军事理论 Military Theory	2	36	36				2					
109110000318	军事技能训练 Military Skill Training	0/2	36	0		36											1-2
20W100000613	英语 1 English 1	2	32	32				4									3-18
218110000313	体育 1 Physical Education 1	0/1	26			26		/2									3-15
217100000313	思想道德修养与法律基础 Cultivation of Morals and Fundamentals of Law	2.5/0. 5	52	40		12		3 (文)									3-16/1 -14
217100000413	形势与政策 Situation and Policy	2	32	32		0		2									1-16
217100000613	民族理论与民族政策 National Theory and National Policy	1.5/ 0.5	32	24		8		3									1-8
20W100000713	英语 2 English 2	2	32	32				4									1-16
218110000213	体育 2 Physical Education 2	0/1	32			32		/2									1-16
20W100000813	英语 3 English 3	2	32	32						4							1-16
218110000413	体育 3 Physical Education 3	0/1	32			32		/2									1-16
2171000122	中国近现代史纲要 Essentials of China Modern and Contemporary History	2.5/ 0.5	52	40		12					3 (理)						1-14
217100000113	马克思主义基本原理 Marxist Fundamentals	2.5/0. 5	52	40		12						3 (理)					1-14
2171000121	毛泽东思想和中国特色社 会主义理论体系概论 Introduction to MAO zedong thought and socialist theoretical system with	4/1	88	64		24							4 (理)				1-16

课程编号 Course Code	课程名称 Course Names	学分 Crs.	总学 时 Hrs.	学时类型 Period Classification				各学期周学时分配 Division of class-hour in Every Week of Each Term								备注 Notes	
				理论 The.	实验 Exp.	实践 Pra..	习题 Ueb	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th		
	Chinese characteristics																
20W100000913	英语 4 English 4	2	32	32								4					1-16
218110000113	体育 4 Physical Education 4	0/1	32			32						/2					1-16
115100000113	就业指导 Employment Guidance	1	16	16										2			1-8/ 9-16

表一（B）：通识选修课程（通选课）/Form I (B): General Elective Courses

课程类别 Course Classi-fied	学分 Crs.
通识选修课程（通选课） General Elective Courses	12

表二：学科基础课程平台

Form II. Basic Course Platform

课程类别 Course Classi- fied	课程编号 Numbers of courses	课程名称 Course Names	学分 Crs.	总学 时 Hrs.	学时类型 Period Classification				各学期周学时分配 Division of class-hour in Every Week of Each Term										备注 Notes						
					理 论 The.	实 验 Exp.	实 践 Pra.	习 题 Ueb	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th	九 9th	十 10th							
学科基础必修 Require Basic Courses	2101000114	高等数学(B)1 Advanced Mathematics (B) 1	4	80	64			16	4																
	2101000115	高等数学(B)2 Advanced Mathematics (B) 2	4	80	64			16		4															
	203100041018	*素描1 Literary Sketch1	2	48	48					12															
	203100043018	*色彩1 Color 1	2	48	48					12															
	203100046918	*建筑概论 Introduction to Architecture	1	16	16					2															
	203100039718	*视觉设计基础 Preliminary Design of Visual	2.5	60	60					8															
	203100048518	*建筑工程制图 Engineering Drafting	2	48	48					12															
	203100042418	*素描2 Literary Sketch 2	2	48	48						12														
	203100046618	*色彩2 Color 2	2	48	48						12														
	203100048818	*建筑设计基础 Preliminary Architecture Design	2.5	60	60						8														
	203100047018	*建筑设计1 Architecture design 1	2.5	60	60							8													
	203100049118	*建筑设计2 Architecture design 2	2.5	60	60							8													
	203100046418	*建筑设计3 Architecture design 3	2.5	60	60								8												
	203100046118	*建筑设计4 Architecture design 4	2.5	60	60								8												

课程类别 Course Classi- fied	课程编号 Numbers of courses	课程名称 Course Names	学分 数 Crs.	总学 时 Hrs.	学时类型 Period Classification				各学期周学时分配 Division of class-hour in Every Week of Each Term										备注 Notes
					理 论 The.	实 验 Exp.	实 践 Pra.	习 题 Ueb	一	二	三	四	五	六	七	八	九	十	
									1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	
学分要求: 学分:54 其中必修 42 学分, 选修 12 学分 Demand of Credits:Credits:54 Required: 42 Elective:12																			

课程类别 Course Classified	课程编号 CourseCode	课程名称 Course Names	学分数 Crs.	总学时 Hrs.	学时类型 Period Classification				各学期周学时分配 Division of class-hour in Every Week of Each Term										备注 Notes	
					理论 The.	实验 Exp.	实践 Pra.	习题 Ueb	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th	九 9th	十 10th		
					203100051518	建筑软件应用 The Application of Architecture Software														
203100034813	桥梁建筑欣赏 Bridge Construction Appreciation	2	32	32								4								
203100051918	建筑遗产专题 Architectural Heritage																			
203100050418	建筑防灾与安全 Building Disaster Prevention& safety	1	16	16									2							
203100049318	建筑节能 Architectural Energy Conservation																			
203100049418	民族建筑文化 National Architectural Culture	2	32	32										4						
203100050718	中国古典园林 History of the Classical Chinese Gardens																			
203100050218	专业英语 Professional English	2	32	32											4					
203100049218	科技论文写作 Academic Essay Writing																			
203100050918	环境心理学 Theory and Utilization of Environmental Psychology	1	16	16												2				
203100050518	人文地理学原理 Principles of Human Geography																			
203100034913	建筑设备 Building Equipment	2	32	32													4			
203100053118	建筑技术概论 Introduction to Building Technology																			
203100051118	建筑法规 Laws of Architecture	1	16	16												2				
203100052818	建筑评论 Architectural Criticism																			

课程类别 Course Classified	课程编号 CourseCode	课程名称 Course Names	学分 Crts.	总学时 Hrs.	学时类型 Period Classification				各学期周学时分配 Division of class-hour in Every Week of Each Term										备注 Notes
					理 论 The.	实 验 Exp.	实 践 Pra.	习 题 Ueb	一 1st	二 2nd	三 3rd	四 4th	五 5th	六 6th	七 7th	八 8th	九 9th	十 10th	
					203100049618	建筑经济与管理 Design and Construction Management	2	32	32										
203100051018	施工图与预算 Construction Drawing and Budget																		
203100051618	少数民族村寨保护与设计 Ethnic Minority Villages Protection & Design	2	48	48													6		
203100049718	小城镇建筑与规划 The Construction and Planning of Towns																		
203100052518	专题设计 Monographic Design	2.5	60	60													6		
203100050618	开放设计专题 Open Design																		
203100051218	绿色建筑 Green Building	2	32	32													4		
203100049918	生态建筑 Ecological Building																		
学分要求: 学分:50 其中: 必修 26.5 学分, 选修 23.5 学分 Demand of Credit:Credit:50 Required: 26.5 Elective:23.5																			

表四：实践教学平台

Form IV: Practical Teaching Platform

类别 Category	课程编号 CourseCode	实践教学名称 Practical Teaching Name	学分 Crs.	周数 Total Period	学时类型 Type of Period		各学期周学时分配 Division of class-hour in Every Week of Each Term										地点 Place				
					实验 Exp.	实习 Pra.	一	二	三	四	五	六	七	八	九	十					
							1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th					
教学实践 Teaching Practice	社会实践 Social Practice	20311003891 8	专业参观 1 Professional visit 1	2	2w		2w	√													
		20311003911 8	专业参观 2 Professional visit 2	2	2w		2w		√												
		20311003861 8	专业调查 1 Professional Research 1	2	2w		2w			√											
		20311003881 8	专业调查 2 Professional Research 2	2	2w		2w				√										
		20311003901 8	专业调查 3 Professional Research 3	2	2w		2w					√									
		20311006361 8	专业实习（古建筑调查） Classic Architecture Inspection	2	2w		2w						√								
		20311006371 8	专业实习（建筑快题设计） Architecture Rapid Design	2	2w		2w							√							
		20311006381 8	专业实习（民族建筑考察） Village Architecture Inspection	2	2w		2w									√					
课程设计 Project Design																					
	小计 Preliminary			16	16w		16w														
教学实习 Teaching Exercitation	教学实习 Teaching Exercitation	20311302441 3	户外写生 Outdoor Sketching	3	3w		3w		√												
		20311302431 3	专业考察 Professional Inspection	3	3w		3w			√											
		20311003621 3	工地实习 Site Practice	3	3w		3w											√			

类别 Category	课程编号 CourseCode	实践教学名称 Practical Teaching Name	学分 Crts.	周数 Total Period	学时类型 Type of Period		各学期周学时分配 Division of class-hour in Every Week of Each Term										地点 Place		
					实 验 Exp.	实 习 Pra.	一	二	三	四	五	六	七	八	九	十			
							1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th			
	20311006391 8	设计院实习 Professional Practice as Architect	10	12w		12w												√	
毕业实习 Graduation Practice	20311302411 3	毕业实习 Graduation Practice	4	4w		4w													√
毕业论文 (设计) Graduation Project (Thesis)	20311302391 3	毕业论文(设计) Graduation Project	10	12w		12w													√
小计 Amount			33	40w		40w													
总计 Amount			学分 Credits 49 学时 Period 53 周 53Weeks																

表五：创新创业平台

Form V: Innovation & Entrepreneurship Platform

类别 Category	学分 Crs.
创新学分 Innovation Credits	3
创业学分 Entrepreneurship Credits	2
总计 Amount	5

执笔人：

审核人：