

建筑学

Architecture

专业代码：082801
Program Code: 082801

学 制：5 年
Duration: 5 years

培养目标：

适应全球化趋势，紧扣国家发展战略，依托建筑类大学学科群平台，培养德、智、体等方面全面发展，具有正确职业观念、自主创新精神、全面知识结构、深厚专业素养、卓越专业能力，富有团队协作精神与社会责任感，兼备开阔国际视野与坚定文化自信的复合型建筑学专业领军人才。

Educational Objectives:

To cultivate leading inter-disciplinary talents in Architecture with correct career concept, positive exploration spirit, comprehensive knowledge structure, profound professional qualities, outstanding professional capabilities, strong team spirit, great sense of social responsibility, broad international perspectives and firm cultural self-confidence to adapt the needs of the globalization tendency and the national development strategy.

毕业要求：

№1.工程知识：掌握扎实的建筑学专业基本原理、方法和手段等方面的基础知识，学习相关学科基础原理和相关专业知识，掌握建筑设计与城市设计的基本方法。

№2.问题分析：能够运用建筑与城市设计领域的基本原理，通过工程实际、文献资料的调查研究，发现、分析复杂工程问题，以获得有效结论，并具备写作与表达的能力。

№3.设计/开发解决方案：能够独立运用建筑设计领域的基本原理和相关专业知识，创造性、综合性地解决实际设计课题中所遇到的复杂问题，并能够在设计环节中体现创新意识，考虑社会、健康、安全、法律、文化以及环境等因素。

№4.研究：善于钻研建筑的关键领域，对建筑创作、创新怀有浓厚的兴趣，能够基于建筑学科相关理论并采用科学方法对复杂建筑与城市问题进行研究，包括开展专题调研、数据信息收集、分析、综合得到合理有效的结论。

№5.使用现代工具：能够在综合性的建筑与城市设计与研究中，合理选择并使用恰当的技术、资源、现代工程工具和信息技术工具，包括对复杂工程问题的预测与模拟，并能够理解其局限性。

№6.工程与社会：能够基于建筑学科相关理论知识与研究方法进行合理分析，评价专业实践对社会、健康、安全、法律以及文化的影响，并理解应承担的责任。

№7.环境和可持续发展：培养传承建筑文化，发展建筑科学技术，探求建筑与城市的发展规律，创建可持续人居环境的整体意识，能够理解和评价针对复杂建筑和城市问题的专业实践对环境、社会可持续发展的影响。

№8.职业规范：具有人文社会科学素养、社会责任感，具有正确建筑设计方面的价值观和评判能力，具有正确的建筑领域的法律意识、职业道德意识，能够在工程实践中理解并遵守工程职业道德和规范，履行责任。

№9.个人和团队：在团队中具有较强的主动性、责任感，具备良好的沟通和合作能力，在实际工作中能够具备领导设计团队可持续发展的能力和协调各个相关专业矛盾的组织管理能力。

№10.沟通：能够就建筑与城市问题与业界同行及社会公众进行有效沟通和交流，包括清晰思考和用语言文字及图形准确表达的能力，并具备开阔的国际视野，能够在跨文化背景下进行沟通和交流。

№11.项目管理：理解并掌握建筑工程管理原理与经济决策方法，并能在多学科环境中应用。

№12.终身学习：具有自主学习和终身学习的意识，有不断学习和适应发展的能力。

Student Outcomes:

№1. Engineering Knowledge: Masters the basics of architectural design, including basic principles, methodologies and tools, learn the basic principles of relevant disciplines and related professional knowledge, and master basic methods of architectural design and urban design.

№2. Problem Analysis: Able to identify and analyze complicated engineering problems using the basic principles of the fields of architecture and urban design through practical and paperwork research, in order to form effective conclusions, and the ability to write and express ideas.

№3. Solution Design/Development: Able to solve complicated problems on practical design in an innovative and integrated manner by independently applying the basic principles of architectural design and relevant professional knowledge, and the ability to demonstrate creativity during the process, taking into account social, health, safety, legal, cultural and environmental considerations.

№4.Research: Good at studying the key areas of architecture and has a strong interest in architectural creation and innovation. Able to study complicated architectural and urban problems based on relevant architectural theories using scientific methods, including special research, data collection, analysis and summary to form reasonable and effective conclusions.

№5. Applying Modern Tools: Able to select and use appropriate technologies, resources, modern engineering tools and information technology tools in comprehensive architecture and urban design and research, including the projection and simulation of complicated engineering problems with the ability to understand their limitations.

№6. Engineering and Society: Able to analyze and assess the impact of professional practice on the society, health, safety, legislation and culture based on relevant architectural theories and knowledge and research methods, and understand the responsibility to be assumed.

№7. Environment and Sustainable Development: Cultivates and inherits architectural culture, develops architectural science and technology, explores the law of architecture and urban development, creates the overall awareness of sustainable living environment, and able to understand and evaluate the impact of

professional practice addressing complicated architectural and urban problems on the sustainable development of the environment and society.

№8. Professional Standards: Understands humanity science and social responsibility, with correct values and judgments in respect of architectural design, proper awareness of laws and professional ethics relating to architecture, and able to understand and comply with engineering ethics and norms and his/her responsibilities in engineering practices.

№9. Individual and Teams: As part of the team, has strong initiative, a sense of responsibility, good communication and cooperation skills, with the organizational and managerial ability to lead the design team for sustainable development and coordinate conflicts between relevant disciplines in actual works.

№10. Communication: Able to communicate and exchange effectively with peers and the general public on architectural and urban issues, including the ability to think clearly and make accurate expressions in language and drawing, and to communicate in cross-cultural contexts with international perspective.

№11. Project Management: Demonstrates knowledge and understanding of building construction management principles and methods of economic decision-making, and apply them in multi-disciplinary environments.

№12. Lifelong Learning: Recognition of the need for, with the ability to engage in, independent and life-long learning, while being able to learn continuously and adapt to new developments.

专业简介：

本专业创办于 1932 年，是我国最早建立的建筑学专业之一，经过八十多年发展，已成为国际知名、国内一流专业，并向国际一流专业迈进。本专业拥有由院士、国家教学名师、长江学者领衔的水平高、学缘广、梯队合理、团结协作的师资队伍，具备从本科、硕士、博士及博士后的完整人才培养体系；依托涵盖建筑设计、历史、技术等领域的全系列国家级精品课程等优质教学资源，建立了兼顾大学科基础与专业深化发展的教学体系。在校内公共设施基础上，为学生配备独立专用的学习空间、资源丰富的专业图书馆与图档资料室、设备先进的创新实验空间及充分共享的设计展示空间。在校内学习之外，为学生提供贯穿全培养过程的美术写生、建筑测绘、专题调研、国际考察等多样化国内外实践学习条件，提供参与高水平科技研究、设计实践、设计竞赛的竞争性机会。

本专业拥有国家级实验教学中心、国家重点实验室、高水平设计院等教学科研实践平台，构建了“学研产”一体化人才培养模式；与国内一流、国际知名设计机构共建了校外实践基地及协同育人平台；通过国际双学位联合培养、国际联合教学工作坊、国际交换生计划等与国际知名大学建立了双向对等的国际合作教育平台，为学生自我发展提供广阔空间。

Program Profile:

Founded in 1932, the Program is one of the longest established Architectural programs in China. Over 80 years of development, it has become an internationally renowned and domestic leading program, with a view to becoming a world-class program. The Program benefits from a collaborative and well structured

team of teachers of high caliber graduated from a diversity of universities and led by CAS Members, National Famous Teachers and Yangtze River Scholars, forming a comprehensive development system for undergraduate, master, doctoral and post-doctoral talents. Relying on quality teaching resources such as the full suite of state-level excellent courses covering Architecture, History, Technology etc, we have built a teaching system that caters to both the larger discipline foundation and in-depth development of specialties. In addition to shared facilities on the campus, independent and dedicated learning space, resource-rich professional library and design documents room, innovative experimental space with advanced equipment and fully shared design exhibition room are available. Apart from studying in the school, students are offered a range of practice and learning opportunities at home and abroad, including sketch, architectural surveying, special research and international visit, throughout their development, as well as participation in high-level scientific and technological research, design practice, and design competitions.

We have built an integrated model of talent development that combines learning, research and industrialization on the platform for teaching, learning, scientific research and practice, including state-level experimental teaching center, the State Key Laboratory and high-standard design institute. We work with domestic leading and internationally renowned design firms to build off-campus practice bases and collaborative education platforms. We provide students with tremendous space for self-development through platforms established with internationally renowned universities for two-way international cooperation and education, including international joint programs for dual degrees, international joint teaching workshops, and international exchange programs.

专业特色：

弘扬华南建筑教育传统，坚持以科学理性与社会责任为核心的教育理念，突出厚基础、深发展的两段式教学特点，注重培养研究精神与创新思维，动手能力与协同能力，及综合解决复杂问题的能力，具备全球视野与国际竞争力。

Program Features:

Promote the tradition of architectural education in South China, adhere to the educational philosophy centered on scientific rationality and social responsibility, highlight the teaching approach characterized by two stages including solid foundation and in-deep development, focus on cultivating research spirit and innovative thinking, the ability to practice, to collaborate and to solve complicated problems, as well as global perspectives and international competitiveness.

授予学位： 建筑学学士学位

Degree Conferred: Bachelor of Architecture

主干课程：

建筑设计基础(一、二)、建筑设计(一、二、三、四、五、六)、建筑设计原理

Core Courses:

Fundamentals of Architecture Design I & II, Architecture Studio (I, II, III, IV, V, VI) Principles of Architectural Design

特色课程:

双语教学课程：外国建筑史、工作坊与专题设计、当代建筑思潮、城乡规划原理、城市设计理论和方法

研究型课程：建筑设计结构选型、绿色建筑设计与技术、数字化建筑设计技术、建筑材料与构造、城市设计理论和方法

MOOCs：建筑美学、建筑设计基础（一）、建筑设计基础（二）、建筑设计（一）、建筑设计（二）、建筑设计结构选型、城乡规划原理

本研共享课：室内设计原理

工作坊：工作坊与专题设计

创新实践课程：建筑模型与图形语言、工作坊与专题设计

创业教育课程：建筑师业务、房地产开发与管理

Featured Courses:

Bilingual Courses: History of Foreign Architecture, Design Workshop, Contemporary Architectural Thoughts, Principles of Urban and Rural Planning , Theories and Principles of Urban Design

Research Courses: Construction Principles in Architecture Design, Sustainable Design and Technology, Digital Techniques in Architecture Design , Architectural Model and Graphic Language, Theories and Principles of Urban Design

MOOCs: Architectural Aesthetics , Fundamentals of Architecture Design I, Fundamentals of Architecture Design II, Architecture Studio I, Architecture Studio II, Construction Principles in Architecture Design, Principles of Urban and Rural Planning

Baccalaureate-Master's Integrated Courses: Principles of Interior Design

Workshops: Design Workshop

Innovation Practice: Architectural Model and Graphic Language, Design Workshop

Entrepreneurship Courses: Architect Business, Real Estate Development and Management

一、教学计划总体安排表 (General Teaching Schedule)

学 年	学 期	教 学 进 度 安 排 (周)																			理 论 教 学	考 试	入 学 教 育	军 训	课 程 设 计	工 程 训 练	电 子 实 习	综 合 实 验	社 会 实 践	生 产 实 习	毕 业 实 习	其 它 实 习	中 外 合 作 项 目	毕 业 设 计	就 业 安 排	机 动	假 期	小 计																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19																			20																
		暑 假																																					21	22	23														
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R																																						
一	1	C	A	A	A	A	A	A	A	A	A	A	A	A	A	B	D	D	D	M	14	1	1	3													20																		
	2	A	A	A	A	A	A	A	A	A	A	A	A	A	A	M	M	B	B		16	2														20																			
二	3	A	A	A	A	A	A	A	A	A	A	A	A	A	A	E	Q	B	B		16	2													1	20																			
	4	A	A	A	A	A	A	A	A	A	A	A	A	A	A	M	M	B	B	M	16	2														4	23																		
三	5	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Q	Q	B	B		16	2													2	20																			
	6	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	M	M	M		16	1														3	20																		
四	7	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Q	Q	B	B		16	2														2	20																		
	8	A	A	A	A	A	A	A	A	A	A	A	A	A	A	M	M	B	B	E	16	2															3	23																	
五	9	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K																		18	18																	
	10	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	P																				15	1	16																
合 计 (周)																			126	14	1	3	5															18	12	15	1	5													200

二、各类课程学分登记表 (Registration Form of Curriculum Credits)

1. 学分统计表 (Credits Registration Form)

课程类别 Course Category	课程要求 Requirement	学分 Credits	学时 Academic Hours	备注 Remarks
公共基础课 General Basic Courses	必修 Compulsory	40.0	572	
	通识 General Education	10.0	160	
学科基础课 Disciplinary Basic Courses	必修 Compulsory	74.0	1560	
	选修 Elective	0.0	0	
专业领域课 Specialty-related Courses	必修 Compulsory	21.0	432	
	选修 Elective	12.0	192	
合 计 Total		157.0	2916	
集中实践教学环节 (周) Practice Training (Weeks)	必修 Compulsory	55.0	55 周	
毕业学分要求 Credits Required for Graduation	157.0 + 55.0 = 212.0			

备注：学生在取得专业教学计划规定学分的同时，还必须取得第二课堂 2 个人文素质教育学分和 4 个创新能力培养学分。

2.类别统计表 (Category Registration Form)

学时 Academic Hours					学分 Credits						
总学时数 Total	其中 Include		其中 Include		总学分数 Total	其中 Include		其中 Include			其中 Include
	必修学时 Compulsory	选修学时 Elective	理论教学学时 Theory Course	实验教学学时 Lab		必修学分 Compulsory	选修学分 Elective	集中实践教学环节学分 Practice-concentrated Training	理论教学学分 Theory Course Credits	实验教学学分 Lab	创新创业教育学分 Innovation and Entrepreneurship Education
2916	2564	352	2718	198	212	190	22	55	151	6	22

三、专业教学计划表 (Teaching Schedule)

类别 Course Category	课程 代码 Course No.	课程名称 Course Title	是否 必修 C/E	学时数 Total Curriculum Hours				学分 数 Credits	开课 学期 Semester	毕业 要求 Student Outcomes	
				总学 时 Class Hours	上机 Computer-aided Class Hours	实验 Lab Hours	实践 Practice Hours				
公共基础课 General Basic Courses	143093	思想道德修养与法律基础 Cultivation of Thought and Morals & Fundamental of Law	必修课 C	(40) (36)				2.5	1	№8	
	143091	中国近现代史纲要 Skeleton of Chinese Modern History		(32) 24				2.0	2	№8	
	143106	毛泽东思想和中国特色社会主义理论体系概论 Thought of Mao ZeDong and Theory of Socialism with Chinese Characteristics		(80) 48				5.0	3	№8	
	143090	马克思主义基本原理 Fundamentals of Marxism Principle		(40) 36				2.5	4	№8	
	143094	形势与政策 Analysis of the Situation & Policy		(128)				2.0	1-8	№8	
	144001	大学英语(一) College English(1)		64				4.0	1	№10	
	144002	大学英语(二) College English(2)		64				4.0	2	№10	
	145223	大学计算机基础 Foundations of Computer		32				2.0	1	№5	
	152001	体育(一) Physical Education (1)		32			32	1.0	1	№12	
	152002	体育(二) Physical Education (2)		32			32	1.0	2	№12	
	152003	体育(三) Physical Education (3)		32			32	1.0	3	№12	
	152004	体育(四) Physical Education (4)		32			32	1.0	4	№12	
	106001	军事理论 Military Principle		(16)				1.0	2	№9	
	140194	微积分基础 Calculus Basis		64				4.0	1	№1,2,3,4	
	130244	画法几何及阴影透视 Dscriptive Geometry & Shadow Perspective		64				4.0	2	№1,3	
	145269	VB 语言程序设计 Programming in Visual Basic		48				3.0	2	№1,4	
		人文科学领域 Humanities		96	通识课 E				6.0		№8
		社会科学领域 Social Science		64					4.0		№8
	合计 Total				732			128	50.0		

三、专业教学计划表（续）（Teaching Schedule）

类别 Course Category	课程 代码 Course No.	课程名称 Course Title	是否 必修 C/E	学时数 Total Curriculum Hours				学分 数 Credits	开课 学期 Semester	毕业 要求 Student Outcomes
				总学时 Class Hours	上机 Computer-ai ded Class Hours	实验 Lab Hours	实践 Practice			
学科基础课 Disciplinary Basic Courses	132046	建筑概论 Introduction to Architecture	必 C	16				1.0	1	№1,8,10, 12
	132037	建筑设计基础(一) Fundamentals of Architecture Design I	必 C	128				5.0	1	№1,10,1 2
	132038	建筑设计基础(二) Fundamentals of Architecture Design II	必 C	128				5.0	2	№1,10,1 2
	132044	建筑史纲 Outlines of Architectural History	必 C	32				2.0	2	№1,2,4
	132297	美术（一） Fine Art I	必 C	48				2.0	1	№1,10
	132298	美术（二） Fine Art II	必 C	48				2.0	2	№1,10
	132299	美术（三） Fine Art III	必 C	48				2.0	3	№1,10
	132300	美术（四） Fine Art IV	必 C	48				2.0	4	№1,10
	132240	建筑力学（一） Building Mechanics I	必 C	32				2.0	3	№1,2,3,1 2
	132241	建筑力学（二） Building Mechanics II	必 C	32				2.0	3	№1,2,3 ,12
	132029	建筑结构 Architectural Structure	必 C	64				4.0	4	№1,2,3,9
	132292	建筑构造基础 Fundamentals of Architecture Construction	必 C	48				3.0	3	№1,2,3
	132039	建筑设计结构选型 Construction Principles in Architecture Design	必 C	32				2.0	5	№1,2,3,4 ,9
	132032	建筑设计（一） Architecture Studio I	必 C	128				5.0	3	№1,2,3,5 ,6,7,9
	132033	建筑设计（二） Architecture Studio II	必 C	128				5.0	4	№1,2,3,5 ,6,7,9
	132034	建筑设计（三） Architecture Studio III	必 C	128				5.0	5	№1,2,3,4 ,5,6,7,9
	132035	建筑设计（四） Architecture Studio IV	必 C	128				5.0	6	№1,2,3,4 ,5,6,7,9
	132058	外国建筑史 History of Foreign Architecture	必 C	48				3.0	3	№1,2,4,1 0,12
	132060	中国建筑史 History of Chinese Architecture	必 C	48				3.0	4	№1,2,4,7 ,12

	132308	建筑设计原理 Principles of Architecture Design	必 C	32				2.0	4	№1,2,3,4
	132343	城乡规划原理 Principles of Urban and Rural Planning	必 C	32				2.0	5	№1,2,3,4 ,6,7
	132345	风景园林规划与设计原理 Principles of Landscape Planning and Design	必 C	32				2.0	5	№1,2,3,4 ,9
	132237	建筑物理（热工学） Building Physics (Thermal Engineering)	必 C	32				2.0	5	№1,2,3,4 ,5,7
	132238	建筑物理（光声） Building Physics (Acoustics and Lighting)	必 C	32				2.0	6	№1,2,3,4 ,5,7
	132239	计算机辅助设计 Computer -Aided Design	必 C	64	32			3.0	5	№1,2,3
	132158	建筑物理实验 Building Physics Experiment	必 C	24		24		1.0	6	№1,2,5
	合计 Total			必 C	1560	32	24		74.0	
			选 E	选修课修读最低要求 0 学分 minimum elective course credits required:						
专业领域课 Specialty-related Courses	132149	建筑设计（五） Architecture Studio V	必 C	128				5.0	7	№1,2,3,4 ,5,6,7,9
	132289	建筑设计（六） Architecture Studio VI	必 C	128				5.0	8	№1,2,3,4 ,5,6,7,9
	132224	居住区规划原理 Principles of Residential Planning	必 C	32				2.0	7	№1,2,4,6 ,7
	132014	城市设计概论 Introduction to Urban Design	必 C	32			6	2.0	6	№1,2,3,4 ,5,6,9
	132018	当代建筑思潮 Contemporary Architectural Thoughts	必 C	32				2.0	5	№1,2,4
	132283	建筑模型与图形语言 Architectural Model and Graphic Language	必 C	32			8	2.0	2	№1,3,4,5 ,9
	132168	建筑设备 Building Equipment	必 C	48				3.0	6	№1,3,9
	132323	建筑材料与构造 Building Construction and Material	选 E	32			4	2.0	6	№1,2,3,4 ,9
	132043	建筑师业务 Architect Business	选 E	32				2.0	8	№6,8,9,1 0,11
	132025	建筑防火设计 Fire Safety Design of Buildings	选 E	32				2.0	7	№1,2,3
	132318	文化遗产保护概论 Introduction to Cultural Heritage Conservation	选 E	32			8	2.0	7	№1,2,4,6 ,7,9
	132244	传统建筑营造法 Construction of Traditional Architecture	选 E	32				2.0	7	№1,2,3,4

	132291	传统建筑设计 Traditional Architecture Design	选 E	64				3.0	8	№1,2,3,4 ,9
	132002	场地设计 Site Planning	选 E	32				2.0	5	№1,2,3,7
	132057	室内设计原理 Principles of Interior Design	选 E	32			10	2.0	8	№1,2,3,4
	132319	绿色建筑设计与技术 Sustainable Design and Technology	选 E	32			4	2.0	7	№1,2,3,4 ,7
	132286	环境心理与行为学 Environmental Psychology and Behavior Science	选 E	32			4	2.0	7	№1,2,4
	132047	建筑美学 Architectural Aesthetics	选 E	32				2.0	8	№1,2,4
	132051	岭南建筑与园林 Buildings and Gardens in South China	选 E	32				2.0	6	№1,2,4,7
	132320	岭南城建发展史 Urban History of Canton	选 E	32				2.0	7	№1,2,4,7
	132288	数字化建筑设计技术 Digital Techniques in Architecture Design	选 E	32			8	2.0	7	№1,2,3
	132055	色彩美学 Color Aesthetics	选 E	32			10	2.0	3	№1,2,3
	132059	艺术史 Art History	选 E	32			10	2.0	7	№1,2,4
	132322	城市设计理论和方法 Theories and Principles of Urban Design	选 E	32				2.0	7	№1,2,3,4 ,5,7
	132362	房地产开发与管理 Real Estate Development and Management	选 E	32				2.0	8	№1,6,11
	132357	设计与健康 Design and Health	选 E	32				2.0	8	№1,2,3
创新创业课	120003	创新研究训练 Innovation Research Training	选 E	32				2.0		№1,2,3,4
	120004	创新研究实践 I Innovation Research Practice I	选 E	32				2.0		№1,2,3,4
	120005	创新研究实践 II Innovation Research Practice II	选 E	32				2.0		№1,2,3,4
	120006	创业实践 Entrepreneurial Practice	选 E	32				2.0		№1,2,3,6 ,10,11
	合 计 Total		必 C	432			14	21.0		
			选 E	选修课修读最低要求 12.0 学分 minimum elective course credits required:12						

注： 1. 《建筑材料与构造》、《建筑师业务》、《建筑防火设计》为建筑学专业限选课。2. 《文化遗产保护概论》、《传统建筑营造法》、《传统建筑设计》为历史建筑保护专门化方向限选课。

3.《绿色建筑设计与技术》为绿色建筑设计专门化方向限选课。4.《城市设计理论和方法》为城市设计专门化方向限选课。5.学生根据自己开展科研训练项目、学科竞赛、发表论文、获得专利和自主创业等情况申请折算为一定的专业选修课学分（创新研究训练、创新研究实践 I、创新研究实践 II、创业实践等创新创业课程）。每个学生累计申请为专业选修课总学分不超过 4 个学分。经学校批准认定为选修课学分的项目、竞赛等不再获得对应第二课堂的创新学分。

四、集中实践教学环节(Practice-concentrated Training)

课程 代码 Course No	课程名称 Course Title	是否 必修 C/E	学时数 Total Curriculum Hours		学分数 Credits	开课 学期 Semester	毕业要求 Student Outcomes
			实践 Practice weeks	授课 Lecture Hours			
106002	军训 Military Training	必 C	3 周		3.0	1	№9
143197	马克思主义理论与实践 Marxism Theory and Practice	必 C	2 周		2.0	假期	№8
132146	小建筑测绘 Small Building Survey	必 C	1 周		1.0	1	№1,2,9
132295	美术写生（一） Sketch Painting I	必 C	2 周		2.0	2	№1
132296	美术写生（二） Sketch Painting II	必 C	2 周		2.0	4	№1
132147	建筑画表现（一） Architectural drawings I	必 C	1 周		1.0	3	№1
132148	建筑画表现（二） Architectural drawings II	必 C	1 周		1.0	4	№1
132228	建筑认识 Architectural Understanding	必 C	2 周		2.0	4	№1,2
132302	传统建筑调查测绘 Historic Building Investigation and Survey	必 C	3 周		3.0	6	№1,2,4,9
132199	建筑专题调研 Special Architectural Investigation	必 C	2 周		2.0	8	№1,2,4,9
132233	施工图设计 Construction Drawing Design	必 C	3 周		3.0	8	№1,2,3,8
132234	建筑业务实习 Architectural internship	必 C	18 周		18.0	9	№3,6,8,9,10
132222	毕业设计 Graduate Design	必 C	15 周		15.0	10	№3,4,5,6,7,9
132324	古建筑专题考察 Field Investigation of Historic Environment	选 E	2 周		2.0	8	№1,2,4
132316	工作坊与专题设计 Design Workshop	选 E	2 周		2.0	8	№2,4,9,10
合 计 Total		必 C	55 周		55.0		
		选 E	选修课修读最低要求 0 学分 minimum elective course credits required:				

注：《古建筑专题考察》为历史建筑保护专门化方向限选课。

五、第二课堂

第二课堂由人文素质教育和创新能力培养两部分组成。

1.人文素质教育基本要求

学生在取得专业教学计划规定学分的同时，还应结合自己的兴趣适当参加课外人文素质教育活动，参加活动的学分累计不少于 2 个学分。

2.创新能力培养基本要求

学生在取得本专业教学计划规定学分的同时，还必须参加国家创新创业训练计划或广东省创新创业训练计划或 SRP（学生研究计划）或百步梯攀登计划或一定时间的各类课外创新能力培养活动（如学科竞赛、学术讲座等），参加活动的学分累计不少于 4 个学分。

5.“Second Classroom” Activities

“Second Classroom” Activities are comprised of two parts, Humanities Quality Education and Innovative Ability Cultivation.

1)Basic Requirements of Humanities Quality Education

Besides gaining course credits listed in one’s subject teaching curriculum, a student is required to participate in extracurricular activities of Humanities Quality Education based on one’s interest, acquiring no less than two credits.

2)Basic Requirements of Innovative Ability Cultivation

Besides gaining course credits listed in one’s subject teaching curriculum, a student is required to participate in any one of the following activities: National Undergraduate Training Programs for Innovation and Entrepreneurship, Guangdong Undergraduate Training Programs for Innovation and Entrepreneurship, Student Research Program (SRP), One-hundred-steps Innovative Program, or any other extracurricular activities of Innovative Ability Cultivation that last a certain period of time (e.g. subject contests, academic lectures), acquiring no less than four credits.