

# 风景园林

## Landscape Architecture

专业代码：082803

学 制：5 年

Program Code: 082803

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风景园林专业领军人才。

### Educational Objectives:

Base on the platform of wider Architectural discipline group in line with adaption to globalization and closely following national development strategy. To nurture leading inter-disciplinary talents in Landscape Architecture, who demonstrate correct professional ethics, spirit of independent innovation, comprehensive knowledge structure, profound professional quality, excellent professional ability, strong team spirit, sense of social responsibility, broad international perspectives and firm cultural confidence.

### 毕业要求：

№1.工程知识：掌握扎实的风景园林规划与设计基本原理、方法策略和技术措施等方面的基础知识，学习相关学科基础原理和相关专业知识，掌握建筑设计和城市设计的基本方法。

№2.问题分析：能够运用风景园林规划与设计、城市设计、建筑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：能够独立运用风景园林规划与设计领域的基本原理和相关专业知识，创造性、综合性地解决实际规划与建设项目中所遇到的复杂问题，并能够在规划与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：善于钻研风景园林的关键领域，对风景园林规划与设计怀有浓厚的兴趣，能够基于相关专业知识和学科理论并采用科学方法对复杂的自然与建成环境中的风景园林问题进行研究，包括开展专题调研、数据信息收集和分析，并通过信息综合得到合理有效的结论。

№5.使用现代工具：能够在综合性的风景园林规划与设计以及城市设计项目中，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：能够基于风景园林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：培养传承风景园林文化，发展风景园林科学与技术，探求园林与建筑、

景观与城市的发展规律，创建可持续人居环境的整体意识，能够理解和评价专业实践对自然环境和建成环境以及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，具有正确风景园林规划与设计方面的价值观和评判能力，具有正确的风景园林领域的法律意识、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规划与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：能够就自然与建成环境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：理解并掌握风景园林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:** Master the basic principles, methodologies, and technical measures of landscape planning and design, learn the basic principles and knowledge of relevant disciplines, master the basic design methods of architectural and urban design.

**№2.Problem Analysis:** Have the ability to use the basic principles of landscape planning and design, urban design and architectural design to discover and analyze complex problems through investigation of practical issues and documentations, in order to obtain effective conclusions, and also have the skills of writing and representation.

**№3.Design / Development Solutions:** Have the ability to use the basic principles of landscape planning and design and related knowledge independently, to solve the complex issues of practical projects creatively and comprehensively with the consideration of the social, Health, safety, legal, cultural and environmental factors.

**№4.Research:** Be good at studying the key areas of landscape architecture, and has a strong interest in landscape planning and design. Can research on the landscape issues in complex natural and built environment based on related knowledge, disciplinary theory and scientific methods, including carrying out special investigation, data collection and analysis, reaching reasonable and effective conclusions through synthesis information.

**№5.Applying Modern Tools:** Have the ability to select and use appropriate technologies, resources, modern engineering tools and information technology tools in comprehensive landscape planning and design and urban design project, including the prediction and simulation of complex site problems, and also have the ability to understand its limitations.

**№6.Engineering and Society:** Can conduct a reasonable analysis to evaluate the social, health, safety, legal and cultural impact of professional practice based on the relevant theoretical knowledge and research

methods of landscape architecture discipline, and understand the responsibility should be borne.

**№7.Environment and Sustainable Development:** Can cultivate landscape culture heritage, develop landscape science and technology, explore the development law of landscape and architecture, landscape and urban, develop a sustainable living environment of the overall awareness; has the ability to understand and evaluate the professional practice on natural and built environment and its impact on social sustainable development.

**№8.Professional Ethics:** Have the awareness of humanities and social sciences, social responsibility, the correct values and judgments of landscape planning and design, and have the correct legal awareness, professional ethics in the field of landscape, and also to understand and comply with engineering ethics and norms and take responsibilities in practice.

**№9.Individual and Teams:** Take initiative, have a sense of responsibility, have good communication and cooperation skills in the team. Have the ability to lead the team with sustainable development, and coordinate relevant professionals in the actual work.

**№10.Communication Skills:** Be able to communicate effectively with professionals and the public about issues of nature and built environment, with clear thinking and accurate expression through in writing and graphics skills. Has the ability to communicate in a cross-cultural context with global perspective.

**№11.Project Management:** Understand and master the landscape project management principles and economic decision-making methods, can applied them in a multi-disciplinary environment.

**№12.Lifelong Learning:** Have the awareness of independent and lifelong learning, and have the ability of continue learning and adaptation to development.

### **专业简介:**

20 世纪 50 年代风景园林学科萌芽，1962 年联合创办全国第 1 个园林学会——广东园林学会专业，2004 年设置本科专业并招生。本专业拥有水平高、学缘广、梯队合理、团结协作的师资队伍，具备从风景园林本科、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、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:**

Over more than 60 years of development, the Program has become an internationally renowned and

domestic leading program, with a goal 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 in Landscape Architecture. 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 drawing and file room, innovative experimental space with advanced equipment and fully shared design display space are available. Apart from studying in the school, students are offered a range of practice and learning opportunities at home and abroad, including sketch, special research and international visits, 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 centers, the State Key Laboratories and high-standard design institutes. 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 opportunities for self-development through platforms established with internationally renowned universities for international cooperation and education, including 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模式，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:**

Carrying forward 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 complex problems, as well as cultivating global perspectives and international competitiveness.

**授予学位:** 工学学士学位

**Degree Conferred:** Bachelor of Engineering

## **主干课程:**

风景园林规划与设计原理、风景园林规划与设计（一、二、三、四）、中国园林史、外国园林史、场地设计、植物景观规划与设计（一、二）、风景园林工程、风景园林遗产保护与管理。

## **Core Courses:**

Principles of Landscape Planning and Design, Landscape Architecture Design Studio I, Landscape Architecture Design Studio II, Landscape Architecture Design Studio III, Landscape Architecture Design Studio IV, History of Chinese Gardens, History of Foreign Gardens, Site Planning and Design, Planting Planning and Design (I), Planting Planning and Design (II), Landscape Architecture Construction and Detailing, Landscape Heritage Conservation and Management

## **特色课程:**

双语教学课程：园林植物学、西方当代风景园林设计思潮、风景园林工程、城市规划原理、城市地理学与区域规划、外国建筑史、工作坊与专题设计

研究型课程：西方当代风景园林设计思潮、景观社会学、景观管理、设计与健康

含新生研讨课：风景园林概论

**MOOC:** 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、植物景观规划与设计（一）、植物景观规划与设计（二）

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、风景园林综合考察、工作坊与专题设计

创业教育课程：风景园林师职业规划和事业拓展

## **Featured Courses:**

**Bilingual Courses:** Landscape Plants, Case Study of Contemporary Landscape Architecture Works in the West, Landscape Architecture Construction and Detailing, Principles of Urban Planning, Urban Geography and Regional Planning, History of Chinese Architecture, Design Workshop

**Research Courses:** Landscape Architecture Works in the West, Landscape Sociology, Landscape Management, Design and Health

**Freshmen Seminars:** Introduction to the Landscape Architecture

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

**Workshops:** Design Workshop

**Innovation Practice:** Architectural Model and Graphic Language, Gardens and Landscape Field Trip, Design Workshop

**Entrepreneurship Courses:** Professional Development

## 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	大 作 业	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 期	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																																							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	A	M	M	B	B	M			16	2														3			21																									
二	3	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	E	Q	B	B			16	2			1												1		20																										
	4	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	M	M	B	B	M	M	E	16	2			1													4			23																							
三	5	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Q	M	B	B	M			16	2															2			1	21																							
	6	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Q	Q	B	B			16	2																	2		20																								
四	7	A	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	M	M	A	A	A	A	A	A	A	B	B			16	2																	2		20																								
五	9	A	A	A	A	A	A	A	K	K	K	K	K	K	K	K	K	K	K	K	K			8																		13			21																						
	10	O	O	O	O	O	O	O	O	O	O	O	O	O	O	P																									15	1		16																							
合 计 (周)																						134	15	1	3	2																																				13	12	15	1	6	202

## 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	61.0	1232	
	选修 Elective	0	0	
专业领域课 Specialty-related Courses	必修 Compulsory	43.0	880	
	选修 Elective	13.0	208	
合 计 Total		167.0	3052	
集中实践教学环节 (周) Practice Training (Weeks)	必修 Compulsory	46.0	46 周	
毕业学分要求 Credits Required for Graduation	167.0+46.0=213.0			

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
3052	2684	368	2808	244	213	189	23	46	159	8	10

### 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 Programing 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	
	<b>合 计 Total</b>				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	132342	风景园林概论 Introduction to the Landscape Architecture	必 C	16				1.0	1	№7,8,12
	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
	132037	建筑设计基础(一) Fundamentals of Architecture Design I	必 C	128				5.0	1	№1,3,8,9,10,12
	132038	建筑设计基础(二) Fundamentals of Architecture Design II	必 C	128				5.0	2	№1,3,8,9,10,12
	132044	建筑史纲 Outlines of Architectural History	必 C	32				2.0	2	№1,2,4,8,10
	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
	132321	建筑力学 Building Mechanics	必 C	32				2.0	3	№1,2,3
	132292	建筑构造基础 Fundamentals of Architecture Construction	必 C	48				3.0	3	№1,4,8,10
	132032	建筑设计（一） Architectural Studio I	必 C	128				5.0	3	№1,2,3,5,6,7,9
	132033	建筑设计（二） Architectural Studio II	必 C	128				5.0	4	№1,2,3,5,6,7,9
	132058	外国建筑史 History of Foreign Architecture	必 C	48				3.0	3	№1,2,4,10,12
	132060	中国建筑史 History of Chinese Architecture	必 C	48				3.0	4	№1,2,3,4,7,12
	132308	建筑设计原理 Principles of Architectural Design	必 C	32				2.0	4	№1,2,3,4
	132343	城乡规划原理 Principle of Urban and Rural Planning	必 C	32				2.0	5	№1,2,3,4,5,6,7,9
	132344	地理信息系统原理和运用 Principle and Application of Geographic Information System	必 C	48	9			3.0	6	№1,2,3,4,5,7
	132186	园林植物学 Landscape Plants	必 C	48				3.0	4	№1,2,4,5,7,9,12
	132303	生态学基础 Fundamentals of Ecology	必 C	48			6	3.0	5	№1,2,7,9
	132345	风景园林规划与设计原理 Principles of Landscape Planning and Design	必 C	32				2.0	5	№1,2,3,9
	132051	岭南建筑与园林 Buildings and Gardens in South China	必 C	32				2.0	6	№1,2,3,4,6,7,12
	<b>合计 Total</b>			必 C	1232	9		14	61.0	
			选 E	选修课修读最低要求 0 学分 minimum elective course credits required:0						

专业领域课 Specialty-related C	132333	外国园林史 History of Foreign Gardens	必 C	32				2.0	3	№1,7
	132313	中国园林史 History of Chinese Gardens	必 C	32				2.0	4	№1,2,7,9
	132002	场地设计 Site Planning	必 C	32				2.0	5	№1,2,3,7
	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
	132317	城市地理学与区域规划 Urban Geography and Regional Planning	必 C	32				2.0	6	№1,2,3,4 ,6,7
	132346	植物景观规划与设计（一） Planting Planning and Design I	必 C	48				3.0	6	№1,2,3,4 ,5,6,7,8,9
	132347	植物景观规划与设计（二） Planting Planning and Design II	必 C	48				3.0	7	№1,2,3,4 ,5,6,7,8,9
	132348	西方当代风景园林设计思潮 Case Study of Contemporary Landscape Architecture Works in the West	必 C	32				2.0	6	№1,2,3,4 ,7,9
	132349	风景园林工程 Landscape Architecture Construction and Detailing	必 C	48			3	3.0	7	№1,2,3,6 ,7,11
	132350	风景园林遗产保护与管理 Landscape Heritage Conservation and Management	必 C	32			8	2.0	8	№1,2,3,4 ,7,11
	132351	风景园林规划与设计（一） Landscape Architecture Design Studio I	必 C	128				5.0	5	№1,2,3,4 ,5,7,9,10
	132352	风景园林规划与设计（二） Landscape Architecture Design Studio II	必 C	128				5.0	6	№1,2,3,4 ,5,7,9,10
	132353	风景园林规划与设计（三） Landscape Architecture Design Studio III	必 C	128				5.0	7	№1,2,3,4 ,5,7,9,10
	132354	风景园林规划与设计（四） Landscape Architecture Design Studio IV	必 C	128				5.0	8	№1,2,3,4 ,5,7,9,10
	132355	风景园林规划与设计（五） Landscape Architecture Design Studio V	选 E	64				3.0	9	№1,2,3,4 ,5,7,9,10
	132312	景观社会学 Landscape Sociology	选 E	32				2.0	5	№2,4,6,7 ,9,10
	132356	景观管理 Landscape Management	选 E	32				2.0	7	№2,3,4,5 ,7,11
	132357	设计与健康 Design and Health	选 E	32				2.0	8	№3,4,6,7
		景观工程材料与工艺 Landscape Architecture Material and Craft	选 E	32				2.0	8	№1,2,3,5 ,7
	132358	景观设计新媒介 New Digital Media in Landscape Design	选 E	32				2.0	8	№1,2,3,5 ,9,10
	132359	风景园林师职业规划和事业拓展 Professional Development	选 E	32				2.0	8	№8,9,10, 11,12
132156	建筑结构概论 Introduction to Architectural Structures	选 E	48				3.0	4	№1,2,3,9 ,10	
132239	计算机辅助设计 Computer -Aided Design	选 E	64	32			3.0	5	№1,2,3	

132012	城市环境物理 Urban Physical Environment	选 E	48				3.0	5	№1,2,4,5 ,7
132039	建筑设计结构选型 Construction Principles in Architecture Design	选 E	32				2.0	5	№1,2,3,4 ,9,10
132018	当代建筑思潮 Contemporary Architectural Thoughts	选 E	32				2.0	5	№1,2,4
132323	建筑材料与构造 Building Construction and Material	选 E	32			4	2.0	6	№1,2,3,4 ,9
132284	城市道路与交通（一） Urban Road design and Transportation planningI	选 E	32				2.0	6	№1,2,5
132285	城市道路与交通（二） Urban Road design and Transportation planningII	选 E	32				2.0	7	№1,2,5
132286	环境心理与行为学 Environmental Psychology and Behavior Science	选 E	32			4	2.0	7	№1,2,3,4 ,9
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 ,5,7,9
132224	居住区规划原理 Principles of Residential Planning	选 E	32				2.0	7	№1,2,4,6 ,7
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 ,9
132288	数字化建筑设计技术 Digital Techniques in Architecture Design	选 E	32			8	2.0	7	№1,2,
132320	岭南城建发展史 Urban History of Canton	选 E	32				2.0	7	№1,2,4,7
132007	城市工程系统规划 Urban Engineering System Planning	选 E	48			6	3.0	8	№1,2,3,7
132059	艺术史 Art History	选 E	32			10	2.0	7	№1,2,4
132047	建筑美学 Architectural Aesthetics	选 E	32				2.0	8	№1,2,4
132318	文化遗产保护概论 Introduction to Cultural Heritage Conservation	选 E	32			8	2.0	7	№1,2,3,4 ,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
120003	创新研究训练 Innovation Research Training	选 E	32				2.0		№3
120004	创新研究实践 I Innovation Research Practice I	选 E	32				2.0		№3,4
120005	创新研究实践 II Innovation Research Practice II	选 E	32				2.0		№3,4

	120006	创业实践 Entrepreneurial Practice	选 E	32				2.0		№4
	<b>合 计</b> <b>Total</b>		必 C	880			17	43.0		
			选 E	选修课修读最低要求 13.0 学分 minimum elective course credits required:13						

备注：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
132329	园林植物识别 Plants Identification	必 C	2 周		2.0	5	№1,2,4,5,7,9,12
132360	风景园林综合考察 Gardens and Landscape Field Trip	必 C	2 周		2.0	8	№1,7,12
132361	风景园林业务实习 Landscape Architecture Internship	必 C	13 周		13.0	9	№1,2,3,4,5,9,11
132222	毕业设计 Graduate Design	必 C	15 周		15.0	10	№2,3,4,5,7,9,10
132316	工作坊与专题设计 Design Workshop	选 E	2 周		2.0	7	№2,3,4,5,7,9,10
	<b>合 计</b> <b>Total</b>		必 C	46 周		46.0	
			选 E	选修课修读最低要求 0 学分 minimum elective course credits required:0			

#### 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.