

## Wenzhou University Civil Engineering Bachelor Program English Instruction

**Title:** Civil Engineering, Taught in English, 4 years

**Degree Awarded:** Bachelor of Engineering

**Institute:** College of Architecture & Civil Engineering

### **Training Objectives:**

The undergraduate program is aimed at training senior application-oriented talents of civil engineering to meet the demand of international civil engineering requirements of innovative spirit, entrepreneurial ability and social responsibility. The program including the courses of basic theory, practice training, innovative design and other aspects with the goal of being sure that students have a strong engineering practice ability, innovation, comprehensive quality, and multicultural knowledge with the international perspective, as well as the spirit of global peer communication and international team cooperation and co-operation ability. At the same time they are expected to have good professional ethics and high senses of community responsibility, to be qualified of design, construction, operation and management of modern international civil engineering project.

### **Training Standards:**

In accordance with the international engineering education professional certifications and the objectives of international professional school and the principles of civil engineering professional training, the school establishes a set of scientific training models of international engineering application personnel, and formulates Wenzhou University "civil engineering (international)" professional training standards.

The professional training specifications including three aspects: knowledge, ability and quality, 57 training standards totally.

### **Core Disciplines:**

The main subjects of civil engineering are structural engineering, geotechnical engineering and so on. The important basic supporting disciplines including mathematics, physics, chemistry, mechanics, materials science, computer science and technology, etc.。

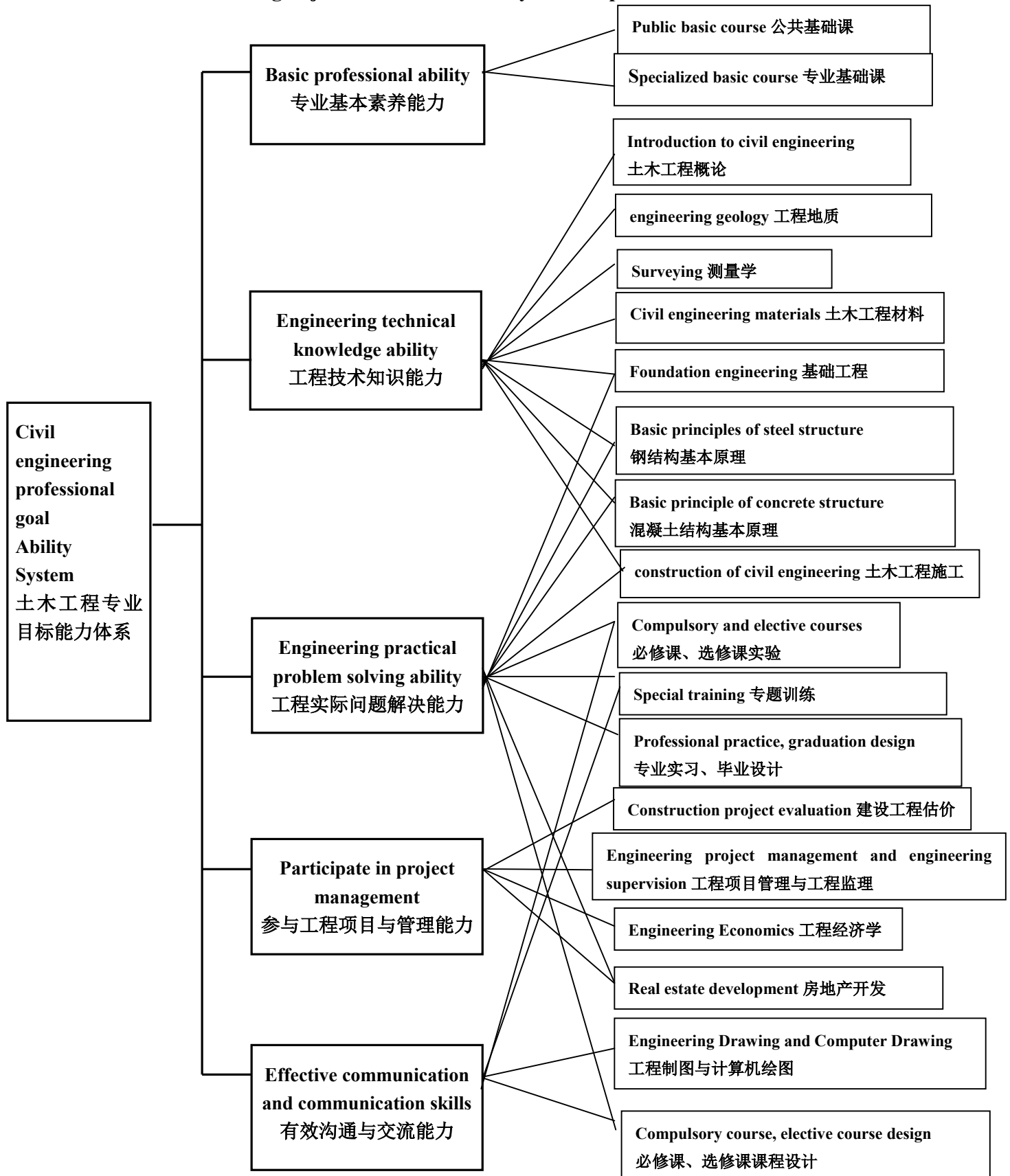
### **Core Curriculum:**

It mainly includes Chinese foundation, advanced mathematics, theoretical mechanics, material mechanics, structural mechanics, engineering fluid mechanics, engineering geology, surveying, civil engineering materials, basic theory of concrete structure, concrete structure design, basic principle of steel structure, soil mechanics, basic engineering, housing construction, civil engineering construction and project valuation.

### **Characteristic Course:**

Engineering geology, surveying, civil engineering materials, basic principles of concrete structures, concrete structure design, soil mechanics and foundation engineering

**Professional training objectives - curriculum system map:**



**The Professional courses of related experiments and practice content schedule**

Serial number 序号	content 项目	Class hour 课时	Credit 学分	Semester 学期
1	College Physics Experiment 大学物理实验	32	1.0	2
2	Engineering Drawing and Computer Drawing 工程制图与计算机绘图	18	3.0	2
3	Mechanics of Materials 材料力学	8	3.0	3
4	civil engineering materials 土木工程材料	18	2.5	3
5	Surveying 测量学	14	2.5	4
6	Construction project evaluation 建设工程估价	12	2.0	5
7	Soil mechanics 土力学	14	2.5	5
8	Foundation engineering 基础工程	8	2.0	6
9	Engineering Drawing Practice 工程制图实训	+2	1.0	2
10	Course Design of Building Architecture 房屋建筑学 课程设计	+1	1.0	3
11	Cognition practice 认识实习	+2	2.0	3
12	Surveying practice 测量实习	+2	2.0	4
13	Civil engineering construction course design 土木工程施工课程设计	+1	1.0	5
14	Civil engineering test 土木工程试验	+1	1	5
15	Engineering test 工程化试验	+1	1	7
16	Professional practice 专业实习	+13	10	7
17	Course design of foundation engineering 基础工程课程设计	+1	1.0	7

18	Ideological political social practice 思政社会实践	+2	2.0	7
19	Graduation design (Thesis) 毕业设计 (论文)	+14	14	8
Total 合计		163	53.5	

### Years of study and granting degrees

Basic school system for four years, flexible teaching system three to six years, Bachelor of Engineering

### Minimum Graduation Requirements

Credit requirements: complete the required courses and get the minimum 145 credits of graduation, which includes 133 credits in class, 12 credits of extracurricular program.

### Components of each Course category

Course category 课程类别		Nature of studying 修读性质	Credit 学分	The proportion accounted in the credit 占课内学分比例	Remarks 备注
core curriculum 通识课	Public basic course 公共基础课	compulsory course 必修课	20	13.8%	
	Public elective course 公共选修课	public elective course 公选课	12	8.3%	
Basic course 基础课	Subject platform course (degree course) 学科平台课 (学位课)	compulsory course 必修课	20.5	14.1%	
	Professional basic course (degree course) 专业基础课 (学位课)	compulsory course 必修课	23.5	16.2%	
Professional course 专业课	Professional core courses (degree course) 专业核心课	compulsory course 必修课	18	12.4%	

	(学位课)				
	Specialty elective course 专业选修课	Free Electives 任选课	16	11.1%	
Practice class 实践课		compulsory course 必修课	35	24.1%	
Total 总计:			145		

### Curriculum and teaching schedule

Course Curriculum nature	Course code	Course name	Credit	Hours/week	Total hours	Lecture	Experiment	Computer	Commence ment term	Remarks		
Public basic course	compulsory course	102119	University Computer Foundation A 大学计	4	3.0-	80	48	3	0	1	Optional 12 credits	
		102185	Programing Fundamentals (C or VB or	3.0	3.0-	48	48	0	0	1		
		401M	JAVA)		0.0							
		062136	Overview of China (Culture)中国概况 (文	4.0	4.0-	64	64	0	0	1		
		062136	Chinese (1)汉语(一)	3.0	3.0-	48	48	0	0	2		
		062137	Chinese (2)汉语(二)	2	2.0-	32	32	0	0	2		
	192001	Overview of China (city and Tourism)	4	4.0-	64	64	0	0	2			
	601L	中国概况 (名城与旅游)		0.0								
	Subtotal of credits required 必选小计学分			20								
	Subtotal of credits category 类别小计学分			20								
Free Electives	702026	Chinese Characters 汉字	2	2.0-	32	32	0	0	2	Optional 12 credits		
	702026	Survey of China-History 中国概况 (历史)	3	3.0-	48	48	0	0	2			
	702027	Intermediate Chinese Listening and	4	4.0-	64	64	0	0	3			
	801L	Speaking		0.0								
	702026	Integrated Writing 综合写作	2	2.0-	32	24	8	0	4			
	702026	Survey of China -Science & Technology	2	2.0-	32	32	0	0	4			
	801L	中国概况 (科技)		0.0								
	702026	Survey of Chinese-Economics 中国概况	2	2.0-	32	32	0	0	4			
702023	Intercultural Communication and Adaption	2	2.0-	32	32	0	0	6				
101L	(I)		0.0									
702025	Academic Writing(学术论文规范与写作)	3	2.0-	56	40	1	0	7				
Subtotal of credits optional 任选小计学分			20									
Subtotal of credits category 类别小计学分			40									
y	0920	Advanced mathematics B (I)高等数学	4	4.0-	64	64	0		1	ce an		

Course Curriculum nature	Course code	Course name	Credit	Hours/week	Total hours	Lecture	Experiment	Computer	Commence ment term	Remarks
				k						
Subject platform course (degree course)	00301L	B(一)		0.0						
	092000401L	Advanced mathematics B (two)高等数学 B(二)	4	4.0-0.0	64	64	0		2	
	102121401L	College Physics 大学物理	5.0	5.0-0.0	80	80	0	0	2	
	102000201S									
	152106501L	General Chemistry 普通化学	2	2.0-0.0	32	32	0	0	1	
	152104301M	Engineering Drawing and Computer Drawing 工程制图与计算机绘图	3	3.0-1.0	64	46	18	0	2	
	Subtotal of credits required 必选小计学分			20.5						
Professional basic course (degree)	1521	Introduction to civil engineering 土木工程	1.0	2.0-	32	32	0	0	1	
	1521	Mechanics of Theoretical 理论力学	4	4.0-	64	64	0	0	2	
	0921									
	1521	Mechanics of Materials 材料力学	4.0	4.0-	64	64	0	0	3	
	1521	Building architecture 房屋建筑学	4.0	4.0-	64	64	0	0	3	
	1521	Engineering geology 工程地质	4	4.0-	64	64	0	0	3	
	1521	Civil engineering materials 土木工程材料	4	4.0-	64	48	1	0	3	
	09211250									
	1521	Structural mechanics 结构力学	6	6.0-	96	96	0	0	4	
	1521	Surveying 测量学	4	4.0-	64	64	0	0	4	
Subtotal of credits required 必选小计学分			23.							
Subtotal of credits category 类别小计学分										
Professional	152101401M	Basic principle of concrete structure 混凝土结构基本原理	4.0	4.0-1.0	64	64	1	0	5	
	152103601L	Construction of civil engineering 土木工程	4.0	4.0-	64	64	0	0	5	

Course Curriculum	Course code	Course name	Credit	Hours/week		Total hours	Lecture	Experiment Computer		Commence ment term	Remarks	
				Hours	Week			Experiment	Computer			
	152104401L	Basic principles of steel structure 钢结构	4.0	3.0	64	42	0	0	5			
	1521181016	Soil mechanics	4.0	4.0	64	50	1	0	5			
	152107001	Foundation engineering 基础工程	4.0	4.0	64	40	8	0	6			
Subtotal of credits required 必选小计学分			20									
		Road engineering 道路工程	2.0	2.0	32	32	0	0	6		Optional 16 Credit	
	1521036016	Elastic mechanics 弹性力学	2.0	2.0	32	32	0	0	6			
	1521037016	Numerical calculation in Engineering 工程中的数值计算	2.0	2.0-0.0	32	32	0	0	6			
	1521329016	Foundation treatment 地基处理	2.0	2.0	32	32	0	0	6			
	152105501S	PKPM software skills training PKPM 软	2.0	+2	0	0	0	0	7			
	152102901L	Bridge Engineering 桥梁工程	2.5	3.0	64	64	0	0	6			
		Tunnel engineering 隧道工程	2.5	3.0	48	48	0	0	6			
	152104901L	Construction project evaluation and feasibility study	1.5	2.0-0.0	32	32	0	0	6			
	152105201L	Quota and cost accounting 定额与成本	1.5	2.0	32	32	0	0	6			
	152101501L	Concrete structure design 混凝土结构设	1.5	2.0	32	32	0	0	6			
	152106301L	High-risel building structure 高层建筑结	1.5	2.0	32	32	0	0	6			
Subtotal of credits optional 任选小计学分			21									
Subtotal of credits category 类别小计学分												
Practice class	compulsory course	152103701	Engineering Drawing Practice 工程制图	1.0	+2	0	0	0	0	2		No direction
		1521051016	Course Design of Building Architecture 房屋建筑学课程设计	1.0	+1	0	0	0	0	3		
		152106301	Cognition practice 认识实习	2.0	+1	0	0	0	0	3		
		152106401	Surveying practice 测量实习	2.0	+2	0	0	0	0	4		
		1521054016	Civil engineering construction course design	1.0	+1	0	0	0	0	5		
		152105801	Civil engineering test 土木工程试验	1	+1	0	0	0	0	5		
		152105901	Engineering test 工程化试验	1	+1	0	0	0	0	7		
		152106001	Professional practice 专业实习	10	+13	0	0	0	0	7		
		1521065016	Course design of foundation engineering	1.0	+1	0	0	0	0	7		
		152106101	Graduation design (Thesis) 毕业设计	14	+14	0	0	0	0	8		
Subtotal of credits required 必选小计学分			35									
Subtotal of credits category 类别小计学分												
Total credit			145									



**Fee Structure:**

Tuition Fee: RMB 20000 / Year

Accommodation Fee: Double room: RMB 4000 / Year; Triple room: RMB 2900 / Year.

**Duration:** 4 years

**Teaching Medium:** English

**Application Deadline:** 2018.7.30

**Time of Enrollment:** 2018.10.8

**Entry Requirement:**

1. Non-Chinese citizens with a valid passport
2. High school graduate or equivalent to a Chinese high school graduate
3. Be in good health condition and above the age of 18

**Application Materials:**

1. Application form and visa application form
2. Graduation certificate of high school

It should be in Chinese or English. If not, it should be translated into Chinese or English and be notarized.

3. An official transcript from the college you have recently attended

\*It should be in Chinese or English. If not, it should be translated into Chinese or English and be notarized.

4. Certificate of English proficiency test

Applicants who apply for English taught program must provide the Certificate Letters that English is the learning language during high school study, or have the IELTS score 5.5 above or TOFEL score 75 above;

5. A photocopy of your passport
6. Bank statement (normally the balance is enough for your first year tuition fee and accommodation fee)
7. Health report (within the validation period)
8. No Criminal Certificate (If necessary)
9. Personal Statement (For scholarship and master applicant)
10. Passport-sized photo (A passport-sized photo taken recently of the applicant.)

Students who are now studying in China should offer the following documents in addition:

◎An agreement of transferring universities from the Office for International Students in which school or university you are studying now (must with common seal) and a recommendation letter from a teacher in the former school or university. About the resident permission, we will help the students to renew it when they register in the university, and won't do before the refrigeration date.

◎Photocopy of your visa and residence permit in China

**Contact:**

SICAS (Study in China Admission System)

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Web: [www.sicas.cn](http://www.sicas.cn)