The First Academic Year Curriculum Schedule

	Course	Exam Or Assess.	Credits	Distribution of Academic Hours					
				Total	Lecture	Lab	Assignment	Computer Operating	Hours/ wk
Semester	Mathematical Analysis for Science and Technology Majors	√	5.5	90	75		15		
	Linear Algebra and Analytic and Analytic Geometry	√	3.5	60	50		10		
	Descriptive Geometry and Cartography	√	3.0	50	36		6	8	
	College Chemistry II		3.0	50	32	18			
	Introduction to Civil Engineering		1.0	16	16				
	Chinese		2.5	60	60				
	College Computer Basis		4.5	70	58	12			
	British and American Literature		2.5	60	60				
		Sub-total	25.5	456	387	30	31	8	25.3
	Mathematical Analysis for Science and Technology Majors	√	5.5	90	75		15		
	College Physics II	√	4.5	75	70		5		
	Theoretical Mechanics I	√	5.0	84	78			6	

	Experiments in Engineering Mechanics (Theoretical Mechanics)I		0.5	6		6			
	Chinese		2.5	60	60				
	MATLAB Programming Language		4.0	72	40			32	
	British and American Literature		2.5	60	60				
	Elective Courses of Humanities and Social Sciences		1.0	20	20				
		Sub-total	25.5	467	403	6	20	38	25.9

The Second Academic Year Curriculum Schedule

	Course	Exam Or Assess.	Credits	Distribution of Academic Hours					
				Total	Lecture	Lab	Assignment	Computer Operating	Hours/ wk
Semester	Probability Theory and Mathematical Statistics		3.0	48	38		10		
	College Chemistry II	√	4.5	75	70		5		
	College Physics Experiment I		2.0	33	3	30			
	Mechanics of Materials I	√	4.5	70	70			(16)	
	Experiments in Engineering Mechanics (Theoretical Mechanics)I		0.5	12		12			
	Architecture		3.0	48	48				
	Project Design in Architecture		1.5	1.5wks					
	Chinese		2.5	60	60				
	British and American Literature		2.5	60	60				
		Sub-total	24.0	406 1.5wks	349	42	15		24.6
	Structural Mechanics I	√	4.0	64	64				
	Civil Engineering Materials	√	2.5	40	32	8			
	Design Theory for Concrete Structure	√	3.5	56	52	4			

	Curricular design for Concrete Structure		1.5	1.5wks					
	Surveying V		3.5	54	36	18			
	Construction Gauging Practice		2.0	2wks					
	College Physics Experiment I		2.0	30		30			
	Chinese		2.5	60	60				
	British and American Literature		2.5	60	60				
		Sub-total	24.0	364 3.5wks	304	60			25.1

The Third Academic Year Curriculum Schedule

Semester	Course	Exam Or Assess.	Credits	Distribution of Academic Hours					
				Total	Lecture	Lab	Assignment	Computer Operating	Hours/ wk
Fall	Structural Mechanics II	√	4.0	64	64				
	Computer Analysis Practice of Structural Mechanics		1.5	1.5wks					
	Loads and Structural Mechanics	√	1.5	24	24				
	Design for Concrete and Masonry Structure	√	2.5	40	40				
	Curricular Design for Single Concrete and Masonry Structure		1.5	1.5wks					
	Elasticity Mechanics (Professional Elective Courses)		2.0	32	32				
	Fluid Mechanics		3.0	46	40	6			
	Engineering Geology		2.0	32	26	6			
	Cognition Practice		1.0	1wk					
	Elective Courses of Humanities and Social Sciences		1.0	20	20				
	Physical Constitution (Limited Elective Course)		1.0	24	24				
		Sub-total	21.0	282 4wks	270	12			20.1

Spring	Basic Principle and Design of Steel Structures	√	4.0	64	64				
	Project Design in Steel Structure		1.5	1.5wks					
	Soil Mechanics and Foundation Engineering	√	4.5	72	64	8			
	Foundation Engineering Design		0.5	0.5wk					
	Civil Engineering Construction	√	3.0	48	48				
	Engineering Project Management		2.0	32	32				
	Project Design in Construction Project Management		1.0	1wk					
	Production Practice		3.0	3wks					
	Elective Courses of Humanities and Social Sciences		1.0	20	20				
		Sub-total	20.5	236 6wks	228	8			19.7

The Fourth Academic Year Curriculum Schedule

	Course	Exam Or Assess.	Credits	Distribution of Academic Hours					
				Total	Lecture	Lab	Assignment	Computer Operating	Hours/ wk
	Design of Tall Buildings	√	2.0	32	32				
	Seismic Design of Buildings		2.0	32	32				
	Structure Testing of Civil Engineering		2.0	32	24	8			
	Principles of Wind Resistance Design for Structure		1.5	24	22	2			
		Sub-total	7.5	120	110	10			
Semester	Sub-total	7.5	120	110	10				
	composite structure (Bi-lingual)		1.5	24	21		3		
	Structure Concept and System		1.5	24	24				
	近海工程导论		1.5	24	24				
	结构振动控制		1.5	24	20	4			
	智能材料与结构		1.5	24	24				
	结构健康监测		1.5	24	24				
	模态分析与测试		1.5	24	24				
		Sub-total							
Spring	Graduation Design		14.0	14wks					
	Graduation Practice		2.0	2wks					
		Sub-total	16.0	16wks					

Remarks: In the curricular schedule of semesters, the mark “√”in the column “Exam or Assess.” Means that a recorded examination should be attended and the hundred-mark system is adopted. The empty column means a course without having to be examined in the written form but the academic results is graded as pass and failure. The result of practicum is

recorded with a five-level-grading system (excellent, good, medium, pass and failure) or with the hundred-mark system.