

## XI. Curriculum Provision & Credit Distribution

### (One) Courses for General Knowledge : 36 Credits

#### 1. Compulsory Courses for General Knowledge: 28 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F109001	A Glimpse at Chinese Culture-I	2.0	32	2.0	1-1st	Examination	
F226008	Programming Design-A	4.0	64	3.0	1-1st	Examination	
F219012	Enrollment Education	1.0	16	2.0	1-1st	Evaluation	
F208001	Practical Chinese-I	5.0	80	5.0	1-1st	Examination	
F109002	A Glimpse at Chinese Culture- II	2.0	32	2.0	1-2nd	Examination	
F204001	Introduction to Civil Engineering	1.0	16	1.0	1-2nd	Examination	
F208002	Practical Chinese- II	5.0	80	5.0	1-2nd	Examination	
F208003	Practical Chinese-III	4.0	64	4.0	2-1st	Examination	
F208004	Practical Chinese-IV	4.0	64	4.0	2-2nd	Examination	

#### 2. Selective Courses for General Knowledge: 8 Credits

### (Two) Basic Courses in General Discipline: 49 Credits

#### 1. Compulsory Basic Courses: 41 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F102001	Engineering Graphics	3.0	48	3.0	1-1st	Evaluation	√
F210013	Calculus I	4.0	64	4.0	1-1st	Examination	√
F210012	Calculus II	4.0	64	4.0	1-2nd	Examination	√
F210007	University Physics-I (International Students)	3.0	48	3.0	1-2nd	Examination	√
F410001	University Physics Experiment (International Students)	1.0	32	2.0	1-2nd	Evaluation	
F210009	Linear Algebra	2.0	32	2.0	1-2nd	Examination	
F104025	Development and Utilization of water resources	2.0	32	2.0	2-1st	Examination	

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F104028	Civil Engineering Materials	3.0	48	3.0	2-1st	Examination	✓
F210006	University Physics-II (International Students)	2.0	32	2.0	2-1st	Examination	✓
F104010	Engineering Mechanics-I	4.0	64	4.0	2-1st	Examination	✓
F104020	Fluid Mechanics	3.0	48	3.0	2-1st	Evaluation	
F104007	Engineering Surveying	3.0	48	6.0	2-2nd	Examination	✓
F104008	Engineering Geology	3.0	48	3.0	2-2nd	Evaluation	
F104011	Engineering Mechanics- II	4.0	64	4.0	2-2nd	Examination	✓

2. Selective Courses : at least 8 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F104016	Computer Drawing	2.0	32	2.0	1-2nd	Evaluation	
F210005	Probability and Statistics (International Students)	3.0	48	3.0	2-1st	Examination	
F210010	Numerical Calculation	2.0	32	2.0	2-2nd	Evaluation	
F104024	Ecological Engineering for Water Quality Control	2.0	32	2.0	2-2nd	Examination	
F104001	Mechanics of Elasticity	2.0	32	2.0	3-1st	Evaluation	
F104022	Water Treatment Technology	2.0	32	2.0	4-1st	Evaluation	
F104017	Building Structural Test	2.0	32	2.0	4-1st	Examination	

**(Three) Specialty courses:39 Credits**

1. Compulsory Major Courses: 33 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F104003	Architecture for Building	3.0	48	3.0	2-2nd	Examination	✓
F104004	Steel Structure-I	3.0	48	3.0	3-1st	Examination	✓
F104014	Reinforced Concrete Structure-I	3.0	48	3.0	3-1st	Examination	✓

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F104026	Soil Mechanics and Foundation Engineering-I	3.0	48	6.0	3-1st	Examination	✓
F104015	Reinforced Concrete Structure-II	3.0	48	3.0	3-2nd	Examination	✓
F104027	Soil Mechanics and Foundation Engineering-II	3.0	48	6.0	3-2nd	Examination	✓
F104021	Bridge Engineering	3.0	48	3.0	3-2nd	Examination	
F104029	Civil Engineering Construction	4.0	64	4.0	3-2nd	Examination	
F104019	Structural Type Selection and Concept Design	2.0	32	2.0	3-2nd	Evaluation	
F104002	Road Engineering	3.0	48	3.0	3-2nd	Examination	
F104005	Steel Structure-II	3.0	48	3.0	3-2nd	Examination	✓

## 2. Selective Major Courses: 6 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F104009	Engineering Economy and Project Management	3.0	48	3.0	3-1st	Examination	
F104012	Engineering Hydrology	2.0	32	2.0	3-1st	Evaluation	
F104023	Hydraulic Structure	3.0	48	3.0	3-2nd	Evaluation	
F404001	Laboratory Test and Measurement of Soil	1.0	32	2.0	4-1st	Evaluation	
F104018	Finite Element Method in Structural Analysis	2.0	32	2.0	4-1st	Examination	
F104013	Budget Management of Civil Engineering	2.0	32	2.0	4-1st	Examination	
F104006	Tall Building Structure	2.0	32	2.0	4-1st	Examination	

## (Four) Practical Teaching Section: 23 Credits

### 1. Compulsory Practical Courses :23 Credits

Course Code	Course Name	Credit	Weeks (Class Hours)	Term	Note	Minor Course
F704002	Course Design for Building Architecture	1.0	1	2-short		✓
F504001	Surveying Internship	1.0	2	2-short		

<b>Course Code</b>	<b>Course Name</b>	<b>Credit</b>	<b>Weeks (Class Hours)</b>	<b>Term</b>	<b>Note</b>	<b>Minor Course</b>
F704007	Course Design for Hydraulic Structure	1.0	1	3-2nd		
F704001	Course Design for Road Engineering	1.0	1	3-short		
F704003	Course Design for Steel Structure	1.0	1	3-short		
F704006	Course Design for Bridge Engineering	1.0	1	3-short		
F704004	Course Design for Concrete Structure	2.0	2	3-short		√
F704005	Course Design for Foundation Engineering	1.0	1	3-short		√
F604001	Capstone Project Design	14.0	14	4-2nd		

**Compilers: Zheng Jianjun,  
Zhang-hao, Pan Xiaodong,  
Wang Kezhong, Kong  
Deyu, Wu Jianguo  
Reviewer: Zhuang Yizhou**