Civil Engineering Curriculum

	Term	Course Name	Credit	Class Hour				Course
				Lecture	Experiment	Computer	Practice	Туре
		Basic Law	2.5	40				Compulsory
		Linear Algebra	3	48				Compulsory
		Military Training	3				3 week	Compulsory
		Physical Education	1	4			18	Compulsory
	1st	Advanced Mathematics(I)	4.5	72				Compulsory
	Semester	Descriptive Geometry and Drawing B(I)	2	32				Compulsory
		College Computer Science	2	24		12		
		Language(I)	3	48				Compulsory
		Health Education	0.5	8				
F		Total	21.5					
mic Yea		Chinese Modern History	1.5	24				Compulsory
		Physical Education(II)	1	4			18	Compulsory
ade		Language(II)	3	48				Compulsory
it Ac		C Language Program	3	32		24		Optional
1s		Advanced Mathematics(II)	6.5	104				Compulsory
	2nd	College Physics(I)	3.5	56				Compulsory
	Semester	Descriptive Geometry and Drawing B(II)	3	40		12		Compulsory
		Common Chemistry	2	32				Optional
		Surveying.	3	32	24			Compulsory
		Military Theory	0.5	8				Compulsory
		Total	27					
	3rd Semester	Comprehensive Course	2	32				optional
		Surveying Practice	2				2 week	Compulsory
		Civil and Hydraulic Engineering Experiment	1		24			Compulsory
		Total	5					
	1st Semester	Language(III)	3	48				Compulsory
ter		Physical Education(III)	1	4			18	Compulsory
		Probability and Statistics	3	48				Compulsory
mes		College Physics(II)	3	48				Compulsory
Se		Politics	4	64				Compulsory
emic		Electrical Engineering and Technology	2	32				Optional
l Acade		Electrical Engineering and Technology Experiment(I)	0.5		12			Optional
2nc		College Physics Experiment(I)	1	4	24			Compulsory
		Introduction of Civil and Hydraulic Engineering	2	32				Compulsory

		Theory of Mechanics	4	64			Compulsory
		Shadow and Perspective	2	32			Optional
		Total	25.5				
	2nd Semester	Language(IV)	3	48			Compulsory
		Politics	2.5	40			Compulsory
		College Physical Experiment(II)	1		24		Compulsory
		Mechanics of Material	4	64	8		Compulsory
		Hydraulics(I)	3.5	56	8		Compulsory
		Engineering Geology(I)	2	24	12		Compulsory
		Transform Prognosticate	2	28	6		Optional
		Basis of Analytical Mechanics	1.5	24			Optional
		Electrical Engineering and Technology	0.5		40		Optional
		Experiment(II)	0.5		12		
		Computer Graphics	2	32			Optional
		Physical Education	1	4		18	Compulsory
		Total	23				
	3rd Semester	Cognition Practice	1.5			1.5 week	Compulsory
		Comprehensive Course	2	32			Optional
		Architectural Legislation	1	16			Optional
		Total	4.5				
	1st Semester	Structural Mechanics(I)	4	64			Compulsory
		Soil Mechanics	4	56	12		Compulsory
		Architectural Material	2.5	32	12		Compulsory
		Reinforced Concrete Structure(I)	2.5	40			Compulsory
		Road Surveying	2	28	6		Optional
		Advanced Material Mechanics	1.5	24			Optional
		Hydraulics(II)	1.5	24	4		Optional
-		Engineering Geology(II)	1	16			Optional
este		Design of Bridge Crossing	2	32			Optional
eme		Hydrology of Bridge and Culvert	2	32			Optional
ic S		Geomechanics	2	32			Optional
den		Comprehensive Course	2	32			Optional
Aca		Total	Compulso	ry14+Optic	onal Course		
3rd	2nd Semester	Basis of Engineering	3	48			Compulsory
		Reinforced Concrete Structure(II)	2	32	4		Compulsory
		Steel Structure	2	32			Compulsory
		Special Subject of Structural	2	32			Compulsory
		Mechanics	-	02			Compaisony
		Elastic Mechanics & Finite Element Programming	2.5	40			Compulsory
		Load and Structure Design Method	2	32			Optional
		Treatment of Soft Soil Foundation	2	32			Optional

		Management of Construction Project	2	32			Optional
		Principle of Construction Monitoring	2	32			Optional
		Option of Bridge Structure	2	32			Optional
		Quota and Valuation of Engineering Construction	2	32			Optional
		Mechanical Analysis and Application of Engineering	2	32			Optional
		Engineering Structure Software	2	32			Optional
		Numerical Simulation of Geotechnical Engineering	2	32			Optional
		Road Engineering CAD	2	32			Optional
		Economy of Road Engineering	2	32			Optional
		Comprehensive Course	2	32			Optional
		Scientific Writing	2	32			Optional
		Engineering Economy and Management	2	32			Optional
		Total	Compulso	ry 11.5+Op	otional Course		
		Production Practice	3			3 week	Compulsory
	3rd	Reinforced Concrete Structure Design	1.5			1.5 week	Compulsory
	Semester	Steel Structure Design	1.5			1.5 week	Compulsory
		Total	6				
		Design Theory of Composite Structure	2	32			Optional
		Qualitative Structural Mechanics	1	16			Optional
		Earthquake-Resistant Structure	2	32			Optional
		Masonry Structure and Wood Structure	2	32			Optional
		Large-Span Steel Structure	2	32			Optional
ster		Prestressed Reinforced Concrete Construction	2	32			Optional
eme		Subgrade and Pavement Engineering	2	32			Optional
lemic S	1st Semester	Strengthening of Engineering Structure	2	32			Optional
Acac		Architectural Instruments	2	32			Optional
th ⊿		Option of Architectural Structure	2	32			Optional
4		New Architectural Material	2	32			Optional
		Safety of Construction	2	32			Optional
		Building Architecture	3	48			Compulsory
		Design of High-level Building Structure	2	32			Compulsory
		Engineering Construction	3	48			Compulsory
		Engineering Structure Experiment	2	24	12		Compulsory
		Bridge Engineering	3	48			Compulsory

	Road and Bridge Construction	3	48			Compulsory
	Road Surveying Design	2	32			Compulsory
	Detection Technology and Experiment of Road and Bridge	3	32	24		Compulsory
	Steel Bridge	2	32			Optional
	Anti-seismic Bridge Construction	2	32			Optional
	Total Cor			onal Course		
	Graduation Project	14			14 week	Compulsory
	Course Design of Building Construction	1.5			1.5 week	Compulsory
2nd	Course Design of Building Construction Organization	1.5			1.6 week	Compulsory
Semester	Course Design of Bridge Engineering	1.5			1.7 week	Compulsory
	Course Design of Road Surveying	1.5			1.8 week	Compulsory
	Total	17		· · · · ·	·	•