

工程管理本科专业培养方案

一、培养目标

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二、毕业要求

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五、主要实践环节

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六、学制、学位及毕业学分要求

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七、毕业要求对培养目标的支撑矩阵

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八、毕业要求达成矩阵

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九、专业课程设置与教学进程计划表

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十一、辅修专业培养计划

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十二、课程地图

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表 1 毕业要求对培养目标的支撑矩阵

毕业要求	培养目标 1	培养目标 2	培养目标 3	培养目标 4	培养目标 5
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表 2 毕业要求达成矩阵

		1					2			3				4		5			6			7		8		9		10			11			12	
		1.1	1.2	1.3	1.4	1.5	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3	7.1	7.2	8.1	8.2	9.1	9.2	10.1	10.2	10.3	11.1	11.2	11.3	12.1	12.2	
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	2																						H						H						H
	3																						H						H						H
	B1	H					H	M																											
	B2	H					H	M																											
	D		H					H																											
	B	M					H																												
	B	H					H																												
	VB		M									H					H								H	H									H
	A1																																		H
	A2																																		H
	A3																																		H
	A4																																		H
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	1			H					H																										
	1	H		H					H																										
	1		H	M								H																							
	1			M																															
	★			H			H					M																							
	1			H					H																										

		1					2			3				4		5		6			7		8		9		10			11			12						
(1.1	1.2	1.3	1.4	1.5	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3	7.1	7.2	8.1	8.2	9.1	9.2	10.1	10.2	10.3	11.1	11.2	11.3	12.1	12.2					
	(H								H						H			H	H	M																	
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	2			M		H										H																							
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★															L	L																							
BIM	2			M		M					M					H	H																						

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												1.1	1.2	1.3	1.4	1.5	2.1	2.2	2.3	3.1	3.2	3.3	3.4	4.1	4.2	5.1	5.2	6.1	6.2	6.3	7.1	7.2	8.1	8.2	9.1	9.2	10.1	10.2	10.3	11.1	11.2	11.3	12.1	12.2	
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表 3.1 课程设置与教学进程计划表

课程类别	课程编号	课程名称	学分	课内学时	学时分配		各学期周学时数								备注		
					讲课	实践	1	2	3	4	5	6	7	8			
							16	16	16	16	16	16					
	32110110	Ideology, Morality and Nomocracy	3	48	48		3										
	32110020	An Introduction To Mao Zedong's Thought and Theoretical system of Socialism with Chinese Characteristics	4	64	64					4							
	32110010	The Fundamental Tenets of Marxism	3	48	48					3							
	32110060	Compendium of Chinese Modern History	2	32	32			2									
	32110050	Current Situation and Policy	2	32	32		1—6		6								
	10100421	B1 Advanced MathematicsB1	4	64	64		4										
	10100431	B2 Advanced MathematicsB2	4	64	64			4									
	10100361	D College PhysicsD	4	64	64				4								
	1010048	B Linear Algebra B	2	32	32				2								
	10100391	B Probability and Statistics B	2	32	32				2								
	58100040	College Students Innovation and Entrepreneurship Foundation	2	32	24	8				2							
	52100020	College Psychological Health	1	16	16		1										8
	33100101	A1 Physical Education A1	1	36		36	2										4
	33100111	A2 Physical Education A2	1	36		36		2									4
	33100121	A3 Physical Education A3	1	36		36			2								4
	33100131	A4 Physical Education A4	1	36		36				2							4
	06100341	1~2	8	128	128		4	4									
	06100351	College English 1~2															
	06100351	2~3															
	06100361	College English 2~3															
	06100552	1~2	8	128	128		4	4									
	06100553	College Japanese 1~2															
	02100101	VB VB Program Design	3	48	24	24		3									
			48	848	672	176	14	13	13	10	0	0	0	0	0	0	
10 B E G			2		“ ”		2		F		2						5-2
			10	160	160	0	0	2	2	0	2	4	0	0			

课程类别	课程编号	课程名称	学分	课内学时	学时分配		各学期周学时数								备注		
					讲	实	1	2	3	4	5	6	7	8			
	03110450	Introduction to project management	1	16	16		1										
	03120121	Civil Engineering Drawing	3	48	48		3										
	03120230	Management Science	2	32	32		2										
	03110031	1 Engineering Mechanics1	3	48	42	6		3									
	03110070	Civil Engineering Material	2	32	32				2								
	03110250	Building Construction	2.5	40	40				2.5								
	03120260	Economics	2	32	32				2								
	03120520	★ Operations Research	2	32	32					2							
	03110330	1 Engineering Struture1	2	32	32					2							
	03160651	Introduction to Environmental Protection	2	32	32							2					
			21.5	344	338	6	6	3	6.5	4	0	2	0	0			
	03120530	Organizational Behavior	2	32	32				2								
	03120261	Applied Statistics	2	32	32				2								
	03170541	1 Engineering Graphics Identification 1	2	32	16	16		2									
	03170540	Construction Project Investment and Financing	2	32	32							2					
	03110090	Engineering Surveying	3	48	32	16		3									
	03110041	2 Engineering Mechanics2	2	32	32				2								
	03110530	2 Engineering Struture2	2	32	32						2						12
	03100021	Ecological Construction and Environment	2	32	32				2								
	03170820	Basic of Accounting	2	32	32					2							
	03110300	Construction Laws and Regulations	2	32	32						2						
	03120281	Soil Mechanics and Foundation Engineering	3	48	40	8						3					
			12	192	160	32	0	3	4	2	6	0	0	0			
	03120310	Engineering Economics	2	32	32					2							
	03120330	Construction Contract Management	2	32	32							2					

课程类别	课程编号	课程名称	学分	课内学时	学时分配		各学期周学时数								备注	
					讲	实	1	2	3	4	5	6	7	8		
					课	践	16	16	16	16	16	16				
	03110780	Construction Project Management	2.5	40	32	8									2.5	
	03110760	Construction Organization	1.5	24	24										1.5	
	03210591	Construction Project Measurement and Valuation	2	32	16	16									2	
	03120320	Engineering Cost Management	2	32	32										2	
			15	240	216	24	0	0	0	2	5	8	0	0		
	03170700	Prefabricated Construction Technology	2	32	32										2	
	03170841	BIM 2 BIM Technology2	3	48	32	16									3	
	03120580	Construction Bidding	2	32	32										2	
			7	112	80	32									5	2
	03170351	Engineering Graphics Identification 2	3	48	32	16									3	
	03180301	Installation Cost	2	32	24	8									2	
	03180302	Municipal Engineering Cost	2	32	24	8									2	
			7	112	80	32									3	4
	03170010	Architecture Facilities	2	32	32										2	
	03170291	Construction Technology of Public Works	2	32	32										2	
	03120650	Urban planning	2	32	32										2	
	03110137															

表 3.2 专业实践教学环节计划表

课程类别	课程编号	实践教学项目	学分	学时	周数	学期	起止周	场所	备注
	33111010	Military Courses(Military Theory Military Training and National Security Education)	3	52	2	1	--		16
	32110080	PracticalCoursefor Ideological and Political Theory Course	2	/	2	3	--		
	58100020	B Training of Engineering B (Labour Education)	1	/	1	2			
	10130031	C College Physics Experiment C	1	32	/	3			
	03150720	Surveying Engineering Practice	1	/	1	2	19--19		
	03180020	Understanding Practice	0.5	16	/	3	1--1		
	03150031	Experiment of Civil Engineering Material	0.5	16	/	3			2×8
	03150540	Design Exercise of Concrete Structure	1	/	1	3	18		
	03160041	1 Design Exercise of Engineering Structure 1	1	/	1	4	18--18		
	03180120	Special Construction practice	1	/	1	5	1--19		
	03160361	Course design of Construction Valuation	1	/	1	5	18--18		
	03180250	Project Management Simulation Practice	1	/	1	6	19—19		
	03150470	Practice of construction and Manufacturing technique	1	/	1	6	19--19		
	03160301	2 Design Exercise of Engineering Structure 2	1	/	1	7	1--1		
	03160421	BIM Design Exercise of BIM Technology Application	2	/	2	7	2--3		
	03150490	Design of Construction Organization	2	/	2	7	4--5		
	03150230	Diding Simulation Practice	1	/	1	7	6--6		
	03160141	Course Design of Project Contract Management	1	/	1	7	7--7		

表 4.1 教学时间分配表

学年	学期	课堂教学	考试	实践	入学、始业教育、军事课	思想政治理论课实践	生产劳动	毕业设计(论文)	毕业答辩、教育	机动	合计
	1	16	1		2						19
	2	16	1	2		4					19
	3	16	1	2							19
	4	16	1	2							19
	5	16	1	2							19
	6	16	1	2							19
	7			19							19
	8			2				14	1	1	18
		96	6	31	2	4		14	1	1	151

表 4.2 课程学分(学时)分布情况表

课程类别	学分	学时	占课内学分比例(%)	占总学分比例(%)	说明
	37	672	29.96	21.57	1. 33.82% 2. 19.53% 3. 18.66% 4. 27.99% 5. 11.41% 6. 40.49%
	21	336	17.00	12.24	
	21.5	344	17.41	12.54	
	12	192	9.72	7.00	
	15	240	12.15	8.75	
	17	272	13.77	9.91	
	43+5	116+48	/	27.99	
	171.5	2172+48	100	100	

辅修课程设置一览表

课程代码	课程名称	学分	周学时	总学时	建议开课学期	备注
03120121	Civil Engineering Drawing	3	3	48	1	
03120230	Management Science	2	2	32	1	
03110031	1 Engineering Mechanics I	3	3	48	2	
03110070	Civil Engineering Material	2	2	32	3	
03120250	Building Construction	2.5	2.5	40	3	
03120260	Economics	2	2	32	3	
03120520	Operations Research	2	2	32	4	
03110330	1 Engineering Structure I	2	2	32	4	
03120310	Engineering Economics	2	2	32	4	
03120330	Construction Contract Management	2	2	32	6	
03110121	Construction Technology	3	3	48	5	
03110780	Construction Project Management	2.5	2	40	6	
03110760	Construction Organization	1.5	2	24	6	
03210591	Construction Project Measurement and Valuation	2	2	32	6	
03120320	Engineering Cost Management	2	2	32	5	
03160141	Course Design of Project Contract Management	1	/	/	7	
03260391	Course Design of Construction Project Measurement and Valuation	2	/	/	7	
		36.5		536		

课程地图



