

INDUSTRIAL ENGINEERING

Form 1

TYPE OF COURSE	NATURE OF COURSE	COURSE NUMBER	COURSE NAME	CREDIT	HOURS	TEST OR ASSESSMENT	HOURS PER WEEK IN 8 TERMS												
							1	2	3	4	5	6	7	8					
REQUIRED COMMON COURSE	COMPULSORY	00100002	Outline of Modern Chinese History	2	36	T	2												
		00200004	Moral Education and Fundamentals of Law	3	54	A		3											
		00100001	An Introduction to Mao Zedong Thoughts, Deng Xiaoping Theory and the Important Thoughts of "Three Representatives"	3.5	72	T			4										
		00100003	Principles of Marxism	3	54	T				3									
		0010006*	College English	20	360	T	5	5	5	5									
		00100*1*	Physical Education	4	144	T	2	2	2	2									
		00100007	Basis of College Computer	2.5	54	T	2												
		00100008	C Language Programming	3	72	T	3												
		00200005	Situation and Policy	2	36	A													√
		00200006	Military Course	1	18	A	2												
The common courses total 54.0 credits, and among these the required common courses total 44.0 credits, the elective common course total 10 credits.																			
REQUIRED BASIC COURSE	COMPULSORY	21105210	Mechanical Drawing	3	54	T	3												
		6110011*	Advanced Mathematics (A)	10	180	T	6	6											
		61100520	Linear Algebra	2	36	T		2											
		21102410	Engineering Mechanics	4	72	T		4											
		61100210	Probability and Mathematical Statistics	3	54	T		3											
		6110112*	College Physics	6	108	T		3	3										
		21100420	Fundamentals of Mechanical Design	4	72	T			4										
		21103330	Elements of Mechanical Manufacturing	2.5	45	T			4										
		24103110	Electro-technology	2.5	45	T			2										
		61201920	Physics Experiment	1	45	A			3										
		24103230	Electronic Technology	2.5	45	T				2									
		21100810	Mechanical Manufacture Technology	2.5	45	T								4					
The required basic courses total 43 credits.																			
REQUIRED SPECIALIZED COURSE	COMPULSORY	21219610	Introduction to Industrial Engineering	1	18	A	2												
		21100910	Elementary Industrial Engineering	2	36	T		4											
		21102210	Operational Research	2.5	45	T		5											
		21101010	Ergonomics	2	36	T				4									

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Form 2

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							1	2	3	4	5	6	7	8
REQUIRED SPECIALIZED COURSE	COMPULSORY	21105320	Quality Control and Reliability	2	36	T				4				
		21210620	Development Technology of Database	1.5	36	A				4				
		21106920	Facilities Planning and Logistical Analysis	2	36	T				4				
		21105510	Production Planning and Control	2.5	45	T					5			
		21106830	Management Information System	2	36	T					4			
The required specialized courses total 17.5 credits.														
RESTRICTED ELECTIVE COURSE	ELECTIVE	72200220	Information Retrieval and Utilization	1	18	A		2						
		21120910	General Chemistry and Experiments	3	54	T		3						
		21119320	Engineering Statistic Analysis	3	54	T			3					
		21121010	工程导论	2	36	T			2					
		21121110	人体生物学	2	36	T			2					
		31100910	Principle of Management	2	36	T			2					
		21112510	Project Management	2	36	T				2				
		21121210	热流体与发动机	2	36	T				2				
		21115320	Logistics System Simulation	2	36	T				2				
		21200610	English for Industrial Engineering	2	36	A					2			
		21120310	Safety Engineering	2	36	T						2		
		21219410	Improvement in Field	2	36	A						2		
		43200310	Human Resource Management	2	36	A							2	
		43201610	Marketing	2	36	A								2
		21101220	Modern Industrial Control System	3	54	T							6	
		21105710	Engineering Economics	2	36	T								2
		21215010	Logistics and Supply Chain Management	2	36	A								2
		42100130	Financial Management	2	36	T								2
		21220810	Fundamentals and applications of Matlab	2	36	A								2
There are 19 restricted elective courses, totaling 40 credits, and students must have 10 credits out of them.														
Any elective courses total 6.0 credits.														
PRACTICE	COMPULSORY	74060110	Military Training		2 weeks			√						
		21065010	发动机拆装实习	3	6 weeks				√					
		21063510	Course Design of Logistics System	1	2 weeks						√			
		12061010	Metal Craft Practice	2	4 weeks							√		

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PRACTICE	COMPULSORY	21061510	Course Design of Management Information System	1	2 weeks							√						
		21061110	Course Design of Manufacturing Craft	1	2 weeks									√				
		21064610	Industrial Engineering Practice	10	20 weeks									√				
		24061910	Electrotechnics and Electronics Practice	1	2 weeks									√				
		21063310	Course Design of Facilities Planning and Logistical Analysis	0.5	1 week											√		
		24060620	Graduation Project/Thesis(Including Graduation Practice)	9	18 weeks													√
Students must have 3.0 credits from the second classroom.																		
SUM				163	2493													