

Appendix A-5 Curriculum of Industrial Design



Curriculum of Industrial Design														
(Note: CP-Credit Points)		Type	Chinese CP	ECTS CP	Workload		S1	S2	S3	S4	S5	S6	S7	S8
Competence field	Module				Contact Hours	Self Study Hours	CP	CP	CP	CP	CP	CP	CP	CP
Module 1: General Courses	Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era	L&P	3	3	48	42	3							
	Introduction to China's Modern and Contemporary History	L&P	3	3	48	42	3							
	Social Situation and Policy	L&P	2	2	32	28	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Labor Education	L	1	1	16	14	0.25	0.25	0.25	0.25				
	Career Planning for University Students	L	0.5	1	16	14	1							
	Military Theory	L	2	2	32	28	2							
	Basic Principles of Marxism	L&P	3	3	48	42		2						
	Ethics and Rule of Law	L&P	3	3	48	42		2						
	Mental Health of University Students	L	2	2	32	28		2						
	Introduction to Mao Zedong Thought and the Theoretical System of Socialism with Chinese Characteristics	L&P	3	3	48	42			3					
	Employment Guidelines for University Students	L	0.5	1	16	14					1			
	History of Communist Party of China	L	1	1	16	14		1						



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	History of New China	L	1	1	16	14								
	History of Reform and Opening Up	L	1	1	16	14								
	History of Socialist Development	L	1	1	16	14								
	Innovation and Entrepreneurship Education for University Students	L	1	1	16	14							2	
	General Introduction to Industrial design	L	1	1	16	14	1							
	Physical Education	L	3	3	48	42	0.25	0.25	0.25	0.25				
	Physical Fitness	L	1	1	16	14					0.5		0.5	



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Competence field	Module				Contact Hours	Self Study Hours	CP	CP	CP	CP	CP	CP	CP	CP
Module 2 Mathematics, Physics and Chemistry	Advanced Mathematics C (Part 1)	L	4	4	64	56	4							
	Advanced Mathematics C (Part 2)	L	4	4	64	56		4						
	Linear algebra	L	2	2	32	28		2						
	Probability and Statistics	L	3	3	48	42			3					
	College Physics B	L	4	4	64	56		4						
	Theoretical Mechanics	L	4	4	64	56			4					
Module 3 Informatics	Information Retrieval A	L&P	1	1	16	14			1					
	Fundamentals of Computer Applications A	L&P	2	2	32	28	2							
	VB Programming	L&P	3	3	48	42		3						
	C Languages Programming	L&P	3	3	48	42								
	Python	L&P	3	3	48	42								



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Module 4 Foreign Language	Integrated English (1)	L	2	2	32	28	2							
	College English Listening and Speaking (1)	L	2	2	32	28	2							
	Integrated English(2)	L	2	2	32	28		2						
	College English Listening and Speaking (2)	L	2	2	32	28		2						
	Interactive Practical English (18 Elective Courses for English)	L	2	2	32	28					2			
Module 5 Industrial Design Fundamentals	Foundation of Engineering Drawing	L	3	4	48	72	3							
	Fundamentals of Manufacturing Technology A	L	3	4	48	72	4							
	Engineering Drawing and CAD	L&P	2	3	32	58		2						
	Electrical Technology	L&P	3	4	48	72			3					
	Mechanics of Materials	L	3	4	48	72				3				
	Materials and Technology	L	2	3	32	58	3							
	Foundation of Painting	L	2	3	32	58	3							
	History of industrial design	L	1	2	16	44	2							
	The Basis of Composition Design	L&P	3	4	48	72	3							
	Computer Aided Industrial Design (1)	L&P	2	3	32	58			3					



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	Mechanisms and Machine Theory	L	4	5	64	86				4				
	Computer Aided Industrial Design (2)	L&P	2	3	32	58				3				
	The Processes and Methods of Industrial Design	L	2	3	32	58				3				
	Creative Thinking Training and Expression	L&P	2	3	32	58				3				
	Ergonomics	L	2	3	32	58					3			
	Format Design	L	1	2	16	44					2			
	Open Source Hardware and Programming	L	2	3	32	58					3			
	Product Structure Design	L	2	3	32	58						3		
	Product and information interaction Design	L	2	3	32	58						3		
	Design Psychology	L&P	2	3	32	58						3		
	Industrial Engineering Software Pro/E	L&P	1	2	16	44							2	



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Competence field	Module				Contact Hours	Self Study Hours	CP	CP	CP	CP	CP	CP	CP	CP
Module 6 Industrial Design Professional Courses	Option	Course Name												
	Option 1	Product CMF design	L&P	2	3	32	58				3			
		Product Development and Design	L&P	2	3	32	58				3			
		Product Improvement Design	L&P	3	4	48	72					3		
		Transportation Vehicle Modeling Design	L&P	2	3	32	58					3		
		Digital Cabin Design for Vehicles	L&P	2	3	32	58						3	
	Option 2	Product Improvement Design	L&P	3	4	48	72				3			
		Product CMF design	L&P	2	3	32	58				3			
		Commercial Kitchen Interior Design	L&P	2	3	32	58					3		
		Smart Kitchen Network System Design	L&P	2	3	32	58					3		
		Smart Commercial Kitchen Construction and Management	L&P	3	4	64	56						3	
	Option 3	Product Development and Design	L&P	2	3	32	58				3			
		Product CMF design	L&P	2	3	32	58				3			
		Interior Design	L&P	3	4	64	56					3		
		Decorative materials and construction	L&P	2	3	32	58					3		
		Product Improvement Design	L&P	3	4	64	56						3	



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Competence field	Module				Contact Hours	Self Study Hours	CP	CP	CP	CP	CP	CP	CP	CP
Module 7 Electives	Option													
	Option 1	Automobile marketing practice	L	2	3	32	58					6		
		Service Design	L&P	2	3	32	58							
		Smart Kitchenware Design	L&P	3	4	64	56							
		Understanding Flight	L	2	3	48	42							
		Professional English	L	1	2	16	44							
		Design and Investment	L	1	2	16	44							
		Design Management and Strategy	L&P	2	3	32	58							
		Social Innovation Design	L&P	2	3	32	58							
		Aeronautical Design	L	2	3	32	58							
		Automobile consumer psychology	L	2	3	32	58							
		Automobile culture	L	2	3	32	58							
	Option 2	Service Design	L	2	3	32	58					6		
		Food Packaging Design	L&P	2	3	32	58							
		Technical Specifications for the Construction	L&P	2	3	32	58							



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		Commercial Intelligent Electronic Technology	L	3	4	64	56						
		Smart Kitchenware Design	L&P	3	4	64	56						
		Food Aesthetic Design	L	1	2	16	44						
		Professional English	L	1	2	16	44						
		Transportation Vehicle Modeling Design	L&P	3	4	64	56						
		Design and Investment	L	1	2	16	44						
		Commercial Kitchen Integrated Design and Application	L&P	3	4	64	56						
	Option 3	Smart Home Control System	L&P	2	3	32	58					6	
		Intelligent Lighting and Luminaire Design	L&P	2	3	32	58						
		Smart Kitchenware Design	L&P	2	3	32	58						
		Modern Furniture Design	L&P	2	3	32	58						
		Home Exhibition Design	L&P	2	3	32	58						
		Interior Aesthetic Design	L&P	2	3	32	58						
		Intelligent Sanitation Design	L&P	2	3	32	58						
		Professional English	L	1	2	16	44						
		Home Service Design	L&P	2	3	32	58						
		Decoration Budgetary Estimate	L&P	2	3	32	58						
		Home Design Management	L&P	2	3	32	58						



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		Public Optional Courses	L	4	4	64	56						
		Art Aesthetic	L	2	2	32	28						
		Innovation and Entrepreneurship Course	L	1	1	16	14						



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Competence field	Module				Contact Hours	Self Study Hours	CP	CP	CP	CP	CP	CP	CP	CP
Module 8 Practical Training	Military Training	P	2	4	60	60		3						
	Engineering Basic Training A (I)	P	2	3	60	60	3							
	Engineering Basic Training A (II)	P	2	4	60	60			3					
	Model Making	P	2	4	60	60			3					
	Comprehensive Material Performance	P	2	4	60	60		3						
	Product Sketch	P	2	4	60	60				3				
	Course Design	P	2	4	60	60				3				
	Thematic Design and Roadshow Presentation	P	2	4	60	60							3	
	Option 1	Cultural and Creative Internship	P	2	6	60		6						
		Folk Art Collection	P	3	9	90						9		
	Option 2	Commercial Kitchen Understanding Internship	P	2	6	60		6						
		Commercial Kitchen Design Internship	P	3	9	90						9		
	Option 3	Home Furnishing Cognition Internship	P	2	6	60		6						
		Home Furnishing Design Internship	P	3	9	90						9		



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Module 9 Bachelor Thesis/ Capstone Project	Graduation Project (Thesis)	L&P	12	30	360	540								30
CP/semester	Total: 240													

(L- Lecture, P- Practice, W- Week, S- Semester)