

Mechanical Engineering Major's Program for International Students (Teaching in English)

(One) General Knowledge Courses 36Credits

1. General Knowledge Compulsory Courses 28 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F102003	Engineering Introduction (ME)	1.0	16	(1.0)	1-1st	Evaluation	
F226008	Programming Design A	4.0	64	(4.0)	1-1st	Examination	
F219012	Enrollment Education	1.0	16	(2.0)	1-1st	Examination	
F109001	A Glimpse of Chinese Culture	2.0	32	(2.0)	1-1st	Examination	
F208001	Practical Chinese I	5.0	80	(5.0)	1-1st	Examination	
F109002	A Glimpse of Chinese Culture II	2.0	32	(2.0)	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. General Knowledge Selective Courses 8 Credits

(Two) Basic Courses 54.5 Credits

1. Basic Compulsory Courses 50.5 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F102005	Engineering Graphics	5.0	80	(5.0)	1-1st	Examination	
F210013	Calculus (yingyu) I	4.0	64	(4.0)	1-1st	Examination	
F210009	Linear Algebra	2.0	32	(2.0)	1-1st	Examination	
F210012	Calculus (yingyu) II	4.0	64	(4.0)	1-2nd	Examination	
F410001	University Physics Experiment (International students)	1.0	32	(2.0)	1-2nd	Examination	
F102129	Introduction to Chemistry Sciences	1.0	16	(1.0)	1-2nd	Evaluation	
F210007	University Physics (International students)	3.0	48	(3.0)	1-2nd	Examination	
F103001	The Basic on electrotechnics	2.5	40	(2.5)	2-1st	Examination	

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F210006	University Physics (International students)	2.0	32	(2.0)	2-1st	Examination	
F102103	Theoretical Mechanics	4.5	72	(4.5)	2-1st	Examination	
F210005	Probability and Statistics (International students)	3.0	48	(3.0)	2-1st	Examination	
F102130	Engineering Materials	2.0	32	(2.0)	2-2nd	Evaluation	
F126012	Basis of Electronic Technique	4.0	64	(4.0)	2-2nd	Examination	
F102104	Mechanics of Materials	4.5	72	(4.5)	2-2nd	Examination	
F102109	Thermal Engineering	2.0	32	(2.0)	3-1st	Evaluation	
F102105	Engineering Fluid Dynamics	2.0	32	(2.0)	3-1st	Examination	
F102108	Computer Aided Engineering (CAE)	2.0	32	(2.0)	3-2nd	Evaluation	
F102107	Numerical Methods	2.0	32	(2.0)	3-2nd	Evaluation	

2. Basic Selective Courses 4 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F102106	Product Shape Modeling and Creative Design	2.0	32	(2.0)	1-2nd	Evaluation	
F102122	Fundamentals of Mechanical Dynamics	2.0	32	(2.0)	3-2nd	Evaluation	
F102123	Exploitation and Using of New- energy	2.0	32	(2.0)	3-2nd	Evaluation	
F102124	Reliability Engineering	2.0	32	(2.0)	3-2nd	Evaluation	

(Three) Specialty Courses 33 Credit

1. Specialty Compulsory Courses 29 Credit

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F102110	Theory of Machines and Mechanisms	4.5	72	(4.5)	2-2nd	Examination	
F102111	Automatic Control	3.0	48	(3.0)	2-2nd	Examination	

F102114	Technology of Engineering Measurement	3.0	48	(3.0)	3-1st	Examination	
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Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F102113	Mechanical Manufacturing Engineering	3.0	48	(3.0)	3-1st	Examination	
F102112	Mechanical Design	4.5	72	(4.5)	3-1st	Examination	
F102115	Advanced Manufacturing Technology	3.0	48	(3.0)	3-1st	Evaluation	
F102119	Mechanical Project Management	2.0	32	(2.0)	3-2nd	Evaluation	
F102116	Machinery and Equipment Design	3.5	56	(3.5)	3-2nd	Examination	
F102102	Numerical Control Technology	2.5	40	(2.5)	3-2nd	Examination	

1. Specialty Selective Courses 4 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F102118	Fluid Power Transmission	2.0	32	(2.0)	3-1st	Evaluation	
F102100	Academic Chinese (ME)	2.0	32	(2.0)	3-2nd	Evaluation	
F102117	Computer Aided Design & Computer Aided Manufacturing	3.0	48	(3.0)	3-2nd	Evaluation	
F102127	Precision & Non-traditional Machining Technology	2.0	32	(2.0)	4-1st	Evaluation	
F102128	Automatic Manufacturing System(AMS)	2.0	32	(2.0)	4-1st	Evaluation	
F102120	Robotic Technology	2.0	32	(2.0)	4-1st	Evaluation	
F102126	Re-manufacturing Technology	2.0	32	(2.0)	4-1st	Evaluation	

(Four) Practical Teaching Section 27 Credit

1. Practical Compulsory Courses 27 Credit

Course Code	Course Name	Credit	Weeks (Class Hours)	Term	Note	Minor Course
F702103	Parts Surveying and Mapping Technology & Practice	1.0	1	1-2nd		
F702001A	Engineering Training A I	1.0	2	2-1st		

F702001B	Engineering Training A II	1.0	2	2-2nd		
F703007	Electronic Techniques Practice	1.0	2	3-1st		
Course Code	Course Name	Credit	Weeks (Class Hours)	Term	Note	Minor Course
F702104	Mechanical Manufacturing Processes Design	1.0	1	3-2nd		
F702105	Comprehensive Practice of Machine Design	3.0	3	3-2nd		
F702106	Production Practice	1.0	2	3-short		
F702107	Specialty Comprehensive Practice	2.0	2	4-1st		
F602001	Graduation Design	16.0	16	4-2nd		

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