

Mechanical Engineering

Program Code: 0802

1. Program Duration: 4-8 years

2. Required Credits: No less than 17 credits.

3. Curriculum

Course Type	Course Code	Course Name	Credit Hours	Credits	Semesters	Notes
Required Course	7000001	Survey of China	36	2	1	
	7000011	Primary Chinese Language	32	2	1	
	7000024	Modern Applied Mathematics	48	3	1	select 1 course
	6000033	Functional Analysis	48	3	1	
	7041002	Modern Mechanical Engineering Theory and Testing Technology	32	2	1	
	7041001	Progress in Mechanical Science and Engineering	32	2	1	
Optional Course	6041001	Modern Manufacturing System Engineering	32	2	1	
	6041002	Intelligent Controls System	32	2	2	
	6041018	System simulation	32	2	2	
	7072001	Knowledge Engineering and Representation Learning	32	2	2	
	6000013	Visual-Audio-Oral Practice of English For Postgraduates	16	1	2	select 2 courses
	6000014	Academic English: Reading & Writing	16	1	2	
	6000015	Contrastive Study of English And Chinese & Translation	16	1	2	

	6000016	Cross-Cultural Communication	16	1	2	
	6000017	Appreciation of The Classic Literary Works in English-Speaking Countries	16	1	2	
	6000018	English for Energy	16	1	2	
	6000019	English for Studying Abroad	16	1	2	
	6000069	UPC Intensive Curricula	-	≤3	1-6	
	5043002	Mechanical Design	32	2	2	
	5043001	Theories of Machines and Mechanisms	32	2	2	
	5041003	Syllabus of Detection and Processing Technology of Electromechanical Information	32	2	2	
	6041005	Control Theory of Mechanical Engineering	32	2	1	
	6041008	Modern Mechanical Manufacturing Technology	32	2	2	
Compulsory Part	6041004	Advanced Engineering Fluid Mechanics	32	2	1	
	8040101	Literature Reading and Thesis Proposal	-	1	4	
	8040102	Overseas Academic Exchange and Study & Training	-	1	1-8	