

Chemical Engineering and Technology Major's Program for International Students (Teaching in English)

(One) General Knowledge Courses 36 Credits

1. General Knowledge Compulsory Courses 28 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F208001	Practical Chinese I	5.0	80	(5.0)	1-1st	Examination	
F226008	Programming Design A	4.0	64	(4.0)	1-1st	Examination	
F109001	A Glimpse of Chinese Culture	2.0	32	(2.0)	1-1st	Examination	
F201001	Professional Introduction	1.0	16	(1.0)	1-1st	Evaluation	
F219012	Enrollment Education	1.0	16	(2.0)	1-1st	Evaluation	
F208002	Practical Chinese II	5.0	80	(5.0)	1-2nd	Examination	
F109002	A Glimpse of Chinese Culture II	2.0	32	(2.0)	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 50.5 Credits

1. Basic Compulsory Courses 50.5 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F101001	Inorganic chemistry	3.0	48	(3.0)	1-1st	Examination	
F210013	Calculus (yingyu) I	4.0	64	(4.0)	1-1st	Examination	
F102001	Engineering Graphics	3.0	48	(3.0)	1-2nd	Examination	
F210012	Calculus (yingyu) II	4.0	64	(4.0)	1-2nd	Examination	
F101006	Analytical Chemistry	2.0	32	(2.0)	1-2nd	Examination	
F210007	University Physics (International students)	3.0	48	(3.0)	1-2nd	Examination	
F410001	University Physics Experiment (International students)	1.0	16	(2.0)	1-2nd	Evaluation	

F401017	Basic Chemistry Experiment (I) A	2.0	16	(4.0)	1-2nd	Evaluation	
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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	
F101011	Physical Chemistry D I	3.0	48	(3.0)	2-1st	Examination	
F210009	Linear Algebra	2.0	32	(2.0)	2-1st	Evaluation	
F101007	Organic Chemistry B I	3.0	48	(3.0)	2-1st	Examination	
F103001	The Basic on electrotechnics	2.5	40	(2.5)	2-1st	Examination	
F401009	Basic Chemistry Experiment (II) B I	1.0	16	(2.0)	2-1st	Evaluation	
F401013	Basic Chemistry Experiment (III) A I	1.0	16	(2.0)	2-1st	Evaluation	
F101008	Organic Chemistry B II	2.0	32	(2.0)	2-2nd	Examination	
F101012	Physical Chemistry D II	2.5	40	(2.5)	2-2nd	Examination	
F401010	Basic Chemistry Experiment (II) B II	1.0	16	(2.0)	2-2nd	Evaluation	
F401014	Basic Chemistry Experiment (III) A II	0.5	16	(1.0)	2-2nd	Evaluation	
F101050	Biochemical Basis	3.0	48	(3.0)	3-1st	Evaluation	
F101058	Chemical Engineering Safety and Environment	2.0	32	(2.0)	3-1st	Evaluation	
F210005	Probability and Statistics (International students)	3.0	48	(3.0)	3-1st	Evaluation	

(Three) Specialty Courses 41.5 Credits

1. Specialty Compulsory Courses 35.5 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F101023	Chemical Thermodynamics	3.0	48	(3.0)	2-2nd	Examination	√
F102002	Fundamental Chemical Equipment Design	3.0	48	(3.0)	2-2nd	Examination	
F101017	Principles of Chemical Engineering A I	3.5	56	(3.5)	2-2nd	Examination	√
F401003	Principles of Chemical Engineering A I	1.0	16	(2.0)	2-2nd	Evaluation	√

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F101018	Principles of Chemical Engineering A II	3.0	48	(3.0)	3-1st	Examination	√
F101003	Chemical Process Control	3.5	56	(3.5)	3-1st	Examination	√
F101024	Chemical Reaction Engineering	3.5	56	(3.5)	3-1st	Examination	√
F401004	Principles of Chemical Engineering A II	0.5	16	(1.0)	3-1st	Evaluation	√
F101016	Chemical Engineering Design	4.0	64	(4.0)	3-2nd	Evaluation	√
F101028	Chemical Technology A	3.0	48	(3.0)	3-2nd	Examination	√
F101004	Chemical System Engineering	3.0	48	(3.0)	3-2nd	Examination	√
F101002	Separation Engineering	2.5	40	(2.5)	3-2nd	Examination	√
F401022	Chemical Professional Experiment I	1.0	16	(2.0)	3-2nd	Evaluation	√
F401023	Chemical Professional Experiment II	1.0	16	(2.0)	4-1st	Evaluation	√

2. Specialty Selective Courses 6 Credits

Course Code	Course Name	Credit	Total Class Hours	Classhours Per Week	Term	Evaluation Method	Minor Course
F101009	Catalysis Science and Technology	2.0	32	(2.0)	3-1st	Evaluation	
F101072	Modern Analysis and Testing Technology	2.0	32	(2.0)	3-1st	Evaluation	
F101068	Introduction to Green Chemical Engineering	2.0	32	(2.0)	4-1st	Evaluation	
F101005	Bioprocess Engineering	2.0	32	(2.0)	4-1st	Evaluation	
F101056	Modern Separation Technology	2.0	32	(2.0)	4-1st	Evaluation	
F101059	Chemical Transfer Process	2.0	32	(2.0)	4-1st	Evaluation	
F101010	Professional Chinese	2.0	32	(2.0)	4-1st	Evaluation	

(Four) Practical Teaching Section 23.5 Credits

1. Practical Compulsory courses 23.5 Credits

Course Code	Course Name	Credit	Weeks (Class Hours)	Term	Note	Minor Course
F702102	Engineering Training A	1.0	2	2-short		

Course Code	Course Name	Credit	Weeks (Class Hours)	Term	Note	Minor Course
F501001	Cognition Practice	0.5	1	2-short		√
F702002	Practice of Fundamental Chemical Equipment Design	1.0	1	2-short		
F501004	Production Practice	1.5	3	3-short		√
F701004	Chemical Engineering Course Design	3.5	3.5	3-short		√
F601001	Graduation Design	16.0	16	4-2nd		

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