

Chemical Engineering and Technology B.S.		
	Compulsory Course	Credit
YEAR ONE	Chemical Lab Safety	0.5
	Inorganic Chemistry I	3
	Inorganic Chemistry II	3
	Analytical Chemistry	3
	Advanced Mathematics I	4
	Advanced Mathematics II	4
	General Physics	6
	Computational Chemistry	3
	Experimental Physics	3
	Elementary Chemistry Experiment-I (Inorganic Chemistry)	2
	Elementary Chemistry Experiment-I (Analytical Chemistry)	3
YEAR TWO	Organic Chemistry I	3
	Organic Chemistry II	3
	Physical Chemistry I	4
	Molecular Simulation and Design	2
	Elementary Chemistry Experiment-I (Organic Chemistry and Polymer Chemistry and Physics)	6
	Elementary Chemistry Experiment-II (Physical Chemistry)	2
	Frontier Chemistry Seminar I	1
	Frontier Chemistry Seminar II	1
YEAR THREE	Physical Chemistry II	2
	Polymer Chemistry and Physics	4
	Course Design of Principles of Chemical Industry	4
	Chemical Engineering Drawing	3
	Chemical Reaction Engineering	3
	Linear Algebra	3
	Elementary Chemistry Experiment-II (Instrument Analysis)	2
	Elementary Chemistry Experiment-II (Chemical Engineering)	1.5
YEAR FOUR	Comprehensive Chemical Experiment	3
	Chemical Production Internship	3
	Undergraduate Project	10

Total compulsory credits for chemical engineering and technology B.S. are 95 in Lanzhou University.

Chemical Engineering and Technology B.S.		
No.	Elective Course	Credit
1	Chemical Engineering Thermodynamics	2
2	Instrumental Analysis	2
3	Chemical Meters & Automation	2
4	Chemical Engineering Design	2
5	Technique of Chemical Engineering	2
6	Chemical Transference Process	2
7	English for Chemical Engineering Majors	2
8	The Material and Technology of Polymer	2
9	Chemical Application Software	2
10	Fine Chemical Industry	2
11	Chemical Process Development and Scale-up	2
12	Safety of Chemical Production	2
13	Modern Separation and Analysis Techniques	2
14	Nutrition and Food Additives	2
15	Introduction Environmental Engineering	2
16	Introduction to Industrial Catalysis	2
17	Spectroscopic Analysis	2

Notes: 6 additional elective courses (12 credits) need to be taken in third and fourth years from the above courses.