

<b>Applied Chemistry B.S.</b>		
	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 TWOE	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
	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 Chemiscal Experiment	3
	Chemical Production Internship	3
	Undergraduate Thesis	8

**Total compulsory credits for applied chemistry B.S. are 93 in Lanzhou University.**

<b>Applied Chemistry B.S.</b>		
No.	Elective Course	Credit
1	Chemical Application Software	2
2	Instrumental Analysis	2
3	English for Applied Chemistry Majors	2
4	Inorganic Synthesis	2
5	Fundamental Organic Reactions	2
6	Spectroscopic Analysis	2
7	Fine Chemical Industry	2
8	Chemical Meters & Automation	2
9	Technique of Chemical Engineering	2
10	Nutrition and Food Additives	2
11	The Material and Technology of Polymer	2
12	Petroleum Chemical and Oil Additives	2
13	Introduction to Industrial Catalysis	2
14	Chemical Engineering Design	2

**Notes: 7 additional elective courses (14 credits) need to be taken in third and fourth years from the above courses.**