

Chemistry 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	1.5
	Elementary Chemistry Experiment-I (Inorganic Chemistry)	2
	Elementary Chemistry Experiment-I (Analytical Chemistry)	3
YEAR TWO	Experimental Physics	3
	Organic Chemistry I	3
	Organic Chemistry II	3
	Physical Chemistry I	4
	Molecular Simulation and Design	2
	Instrumental Analysis	3
	Frontier Chemistry Seminar I	1
	Frontier Chemistry Seminar II	1
	Elementary Chemistry Experiment-I (Organic Chemistry and Polymer Chemistry and Physics)	6
	Elementary Chemistry Experiment-II (Instrument Analysis and Physical Chemistry)	2
YEAR THREE	Physical Chemistry II	3
	Polymer Chemistry and Physics	4
	Structural Chemistry	3
	Chemical Biology	2
	Fundamentals of Chemical Engineering	3
	Elementary Chemistry Experiment-II (Instrument Analysis and Physical Chemistry)	4
	Elementary Chemistry Experiment-II (Chemical Engineering)	1
YEAR FOUR	Comprehensive Chemical Experiment	3
	Graduation Thesis	8

Total compulsory credits for chemistry B.S. are 92 in Lanzhou University.

Chemistry B.S.		
No.	Elective Course	Credit
1	Advanced Organic Chemistry	2
2	Coordination chemistry	2
3	Modern Spectroscopic Analysis	2
4	Fundamental Organic Reactions	2
5	Inorganic Synthesis	2
6	Polymer Materials	2
7	Polymer Science Methodology	2
8	Quantum Chemistry	2
9	Modern Separation Techniques	2
10	Catalysis and Kinetics	2
11	English for Chemistry Majors	2
12	Chemical Engineering Drawing	2
13	Supramolecular Chemistry	2
14	Nanochemistry	2
15	Chemical Application Software	2
16	Polymer Structures and Properties	2
17	Functional Polymer Materials	2
18	Introduction to Life Science	2
19	Structural Molecular Biology	2
20	Intermediate Inorganic Chemistry	2
21	Polyacid Chemistry	2
22	Organic Synthesis Design	2
23	Medicinal Chemistry	2
24	Spectroscopic Analysis	2
25	Advanced Analytical Chemistry	2
26	Bioinformatics	2
27	Colloid and Interface Chemistry	2
28	Laser Chemistry	2
29	Coating Technology	2

Notes: 10 additional elective courses (20 credits) need to be taken in third and fourth years from the above courses.