

## B.S. Program in Chemistry

	Bachelor Program
Years of Study	4 years
Minimum Credits of Courses	128 credits
Required Courses	82 credits
Freshman	36 credits Chinese (3/3) 、 English (3/3) General Physics A (3/3) 、 General Physics A Lab (1/1) General Chemistry A (3/3) 、 Chemistry Lab I/II (1/1) Calculus A (4/4) Physical Education 、 Service Education I (0)
Sophomore	22 credits Analytical Chemistry I (3) 、 Analytical ChemistryII (3) Organic Chemistry I (3) 、 Organic Chemistry II (3) Chemistry Lab III/IV (2/2) Physical Chemistry II -Quantum Chemistry (3) (2 <sup>nd</sup> semester) Mathematics for Chemists(3) Physical Education 、 Service Education II (0)
Junior	22 credits Inorganic Chemistry I (3) 、 Inorganic Chemistry II (3) Physical Chemistry I-Thermodynamics (3) (1 <sup>st</sup> semester) Chemistry Lab V/VI (2/2) <u>Required 9 Credits:</u> <u>Organic Chemistry (III)(3)</u> <u>Physical Chemistry (III)-Kinetics and Dynamics(3)</u> <u>Analytical Chemistry (III)(3)</u> <u>Biochemistry(3)</u> <u>Materials Chemistry(3)</u> Service Education III (0)
Senior	2 credits Seminar I/II (1/1)
Selective Courses	34credits 10 credits minimum for the selective courses offered in the chemistry department
Liberal Education Courses	12credits