



Study Plan

Bachelor of Chemistry

1 st Year			
Semester 1		Semester 2	
Code	Course	Code	Course
KI101	Fundamentals of Chemistry 1	KI203	Fundamental Chemistry Experiments
KI100	Mathematics for Chemistry	KI306	Structure and Reactivity of Monofunctional Organic Compounds
KI200	English	KI305	Fundamentals of Analytical Chemistry
KI202	Basic Laboratory Skills	KU110	Pancasila Education
KI102	Fundamentals of Chemistry 2	KU1XX	Sports/Arts Education
KU10X	Religion	HU300	Introduction to Education
KI105	Civic Education	MA200	STEM Application
KU106	Indonesian Language		
MA100	STEM		
2 nd Year			
Semester 3		Semester 4	
KI407	Identification and Purification of Organic Compounds Experiments	KI312	Chemistry of Transition and Main Group Elements
KI307	Structure and Reactivity of Inorganic Compounds	KI308	Structure and Function of Biomolecules
KI309	Chemical Kinetics	KI314	Thermodynamics of Multi-components System
KI201	Entrepreneurship	KI405	Physical Chemistry Experiments
KI304	Gas, Thermodynamics and Phase Equilibrium	KI315	Organic Synthesis
KI337	Statistics for Chemistry	KI503	Instrumental Analytical Chemistry
KI406	Fundamentals Analytical Chemistry Experiments	KI410	Chemical Separation and Measurement Experiments
KI310	Separation Chemistry	KI303	Chemical Bonding and Structure
KI311	Structure and Reactivity of Polyfunctional Organic Compounds		
3 rd Year			
Semester 5		Semester 6	
KI408	Inorganic Chemistry Experiment	KI320	Introduction to Food Chemistry
KI323	Nuclear Chemistry and Radiochemistry	KI505	Polymer Chemistry
KI317	Natural Product Chemistry	KI319	Introduction to Environmental Chemistry
KI504	Elucidation of Organic and Inorganic Compounds Structure	KI322	Introduction to Biological Chemistry
KI316	Coordination Chemistry	KI409	Biochemistry Experiments
KI411	Synthesis and Isolation of Organic Compounds Experiments	KI339	Research Methodology



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KI313	Biomolecule Metabolism and Genetic Information	KI318	Organometallic Chemistry
KI324	Computational Chemistry	KI321	Introduction to Material Chemistry
KU30X	Religion Education Seminar	KI506	Biotechnology
		KU400	Community Service
4 th Year			
KI5XX	Research Elective Courses	KI590	Working Practice Interval (Internship)
KI53X	Research Seminar	KI598	Thesis
		KI599	Defence Exam

Degree Information:

You must complete 147 credits to finish your degree consist of 131credits of compulsory courses and 16 credits of elective courses.

Elective courses:

you must select one of 4 groups of elective courses which are material chemistry, biological chemistry, environmental chemistry, and food chemistry.

Religion courses:

You must take the courses only in accordance with your respective religion.

Sport and Art:

You must choose either sports education (KU108) or art education (KU119).

For further information please visit our website: <https://kimia.upi.edu>