

CURRICULUM STRUCTURE AND MAPPING

No	Code	Name of Subjects	Detailed credits				Sem		Req (Code)
			T	P	F	Tot	Od	Ev	
University Subject (MKU) and Subject of Basic of Education(MDK)									
1	MKU 6301	Islamic Education*	3			3	√		
	MKU 6302	Catholic Education*	3			3			
	MKU 6303	Christian Education*	3			3			
	MKU 6304	Buddhism Education*	3			3			
	MKU 6305	Hinduism Education*	3			3			
	MKU 6306	Confucianism Education*	3			3			
2	MKU 6207	Civic Education	2			2	√		
3	MKU 6208	The Five Principles	2			2		√	
4	MKU 6209	Indonesian	2			2	√		
5	MKU 6210	Statistics	2			2		√	
6	MKU 6211	English						√	
7	MKU 6212	Entrepreneurship	2			2		√	
8	MKU 6313	Community Services			3	3	√		
9	MKU 6214	Socio-Cultural Education	2			2	√		
10	MDK 6201	Educational Sciences	2			2	√		
11	MDK 6202	Educational Psychology	2			2	√		
12	MDK 6203	Educational Management	2			2		√	
13	MDK 6204	Educational Sociology and Anthropology	2			2	√		
Chemistry Education Subject (MPK)									
14	MPK 6201	Review of Curriculum for High School	2			2	√		
15	MPK 6202	Instructional Media of Chemistry	2			2	√		
16	MPK 6303	Chemistry Teaching Strategy	2		1	3		√	MPK 6201
17	MPK 6204	Information Communication Technology in Chemistry Teaching	2			2		√	MPK 6202
18	MPK 6305	Assesment in Chemistry Teaching	3			3	√		MPK 6303
19	MPK 6306	Developing Chemistry Education Program	2		1	3	√		MPK 6303
20	MPK 6307	Chemistry of Senior High School	3			3		√	

21	MPK 6208	Chemistry of Vocational High School	2			2		√	
22	MPK 6209	Microteacing		2		2		√	MPK 6306
23	MPK 6310	Research Methodology of Chemistry Education	3			3		√	MPK 6305
24	MPK 6211	Trends in Chemistry Research and Teaching	2			2	√		
Chemistry Subject									
25	AMF 6201	Perspective and Study in Mathematics and Science	2			2		√	
26	KIM 6401	General Chemistry	3	1		4	√		
27	KIM 6302	Physics for Chemistry	2	1		3	√		
28	KIM 6303	Biology for Chemistry	2	1		3	√		
29	KIM 6304	Mathematics for Chemistry	3			3		√	
30	KIM 6405	Chemical Equilibrium	3	1		4	√		KIM 6401
31	KIM 6406	Molecular Dynamics	3	1		4		√	KIM 6405
32	KIM 6407	Basic Organic Chemistry	3	1		4	√		KIM 6401
33	KIM 6408	Reactivity and Reaction Mechanism of Organic Chemistry	3	1		4		√	KIM 6407
34	KIM 6409	Inorganic Chemistry of Nonmetal	3	1		4		√	KIM 6401
35	KIM 6310	Inorganic Chemistry of Metals	2	1		3		√	KIM 6401
36	KIM 6411	Basics of Analytical Chemistry	3	1		4		√	KIM 6401
37	KIM 6412	Chemical Separations	3	1		4	√		KIM 6411
38	KIM 6413	Biochemistry	3	1		4		√	KIM 6407
39	KIM 6214	Nuclear Chemistry	2			2		√	KIM 6406
40	KIM 6215	Environmental Chemistry	2			2	√		KIM 6401
42	KIP 6201	Introduction to Quantum Chemistry	2			2	√		KIM 6406
43	KIP 6402	Coordination Chemistry and Organometal	3	1		4	√		KIM 6409
44	KIP 6303	Chemical Analysis I Instruments	2	1		3		√	KIM 6412
45	KIP 6204	Structural Analysis of Organic Compounds	2			2	√		KIM 6408
46	KIP 6205	Management of Chemical Laboratory	2			2	√		KIM 6411
47	KIP 6206	Industrial Chemistry	2			2		√	
50	KIP 6209	Chemistry Research Project		2		2	√		KIM 6412

		Elective Courses	10			10	√	√	
	MPK 6212	Chemical History and It's Perspective							
	MPK 6213	Review of Chemistry Education Research							
	MPK 6214	Workshop on Chemistry Education							
	MPK 6215	Developing Chemistry Teaching Materials							
	MPK 6216	Chemical Experiment in High School							
	MPK 6217	Daily Chemical Technology							
	MPK 6218	Entrepreneur of ICT Based Learning							
	KIM 6215	Pharmaceutical Chemistry							
	KIP 6207	Food Chemistry							
	KIP 6208	Macromolecular Chemistry							
	KMA 6207	Natural Product Chemistry							
Internship Educational Program and Final Project									
51	PPL 6301	Internship Educational Program			3	3	√		MPK 6209
52	SPK 6601	Thesis				6		√	MPK 6310
Total			119	18	8	145			
Total Numbers of CREDITS						145			

