

**Bachelor of Science with Education (Chemistry) (SHPC)****Year 1**

SEMESTER 1			SEMESTER 2		
CODE	SUBJECT	CREDIT	CODE	SUBJECT	CREDIT
UHS 1022/ UHL 1012	Philosophy and Current Issues (Local Students)/ Malay Communication 2 (International Students)	2	UHLB 1112	English Communication Skills	2
UHMT 1012	Success Graduate Attribute	2	UHIT 2302	Scientific and Technological Thinking	2
SHPP 1032	Telecommunication & Computer Network	2	UHMS 1182	Appreciation of Ethics and Civilizations	2
SHPP 1012	Psychology of Education	2	SHPP 1042	Educational Technology	2
SHPP 2882	Co Curriculum Management, Sport and Games	2	SHPP 1002	Educational Philosophy	2
SSCK 1603	Organic Chemistry Functional Group	3	SHPP 1022	Teaching Professionalism	2
SSCK 1831	Organic Chemistry Practical I	1	SHPN 1012	Science & Mathematics Curriculum	2
	Program Elective Courses	4	SSCC 1713	Main Group Elements	3
			SSCC 1851	Inorganic Chemistry Practical I	1
<b>TOTAL</b>		<b>18</b>	<b>TOTAL</b>		<b>18</b>

**YEAR 2**

SEMESTER 3			SEMESTER 4		
CODE	SUBJECT	CREDIT	CODE	SUBJECT	CREDIT
UBSS 1032	Introduction to Entrepreneurship	2	UHLB 2122	Advanced Academic English Skills	2
SHPP 2002	Fundamental of Pedagogy	2	UKQF 2XX2	Co-curriculum Service Learning (Uniform Unit)	2
SSSC 2413	Chemical Thermodynamics	3	SHPP 3042	Research Methods in Education	2
SSSC 2831	Physical Chemistry Practical I	1	SSCK 1213	Analytical Chemistry and Instrumentation	3
SHPN 1022	Science & Mathematics Learning	2	SSCK 1891	Analytical Chemistry Practical	1
	Program Elective Courses	8	SHPK 2113	Teaching and Assessment Method in Chemistry	3
			SHPK 2121	Practical in Chemistry Education I	1
				Program Elective Courses	4
<b>TOTAL</b>		<b>18</b>	<b>TOTAL</b>		<b>18</b>

**YEAR 3**

SEMESTER 5			SEMESTER 6		
CODE	SUBJECT	CREDIT	CODE	SUBJECT	CREDIT
UKQT 3001	Extracurricular Experiential Learning	1	SHPA 3008	Teaching Practice	8
ULAB 3162	English for Professional Purposes	2			
UHLX 1112	Foreign Language Elective	2			
SHPP 2032	Measurement & Evaluation in Education	2			
SHPP 4722	Online Learning & Teaching Techniques	2			
SHPK 3131	Practical in Chemistry Education II	1			
SSSC 2453	Chemical Kinetics & Electrochemistry	3			
SHPN 2052	Laboratory Safety & Management	2			
SHPA 2001	Microteaching	1			
<b>TOTAL</b>		<b>16</b>	<b>TOTAL</b>		<b>8</b>

**YEAR 4**

SEMESTER 7			SEMESTER 8		
CODE	SUBJECT	CREDIT	CODE	SUBJECT	CREDIT
SHPP 4052	Sociology of Education	2	UHAK 2XX2	Generic Skills Elective/Broaden Knowledge Elective	2
SHPP 4502	Counseling & Guidance	2	SHPP 4043	Teacher Development	3
SHPU 4902	Undergraduate Project I	2	SHPU 4904	Undergraduate Project II	4
SHPK 4143	Issues and Innovation in Chemistry Education	3		Open Elective Courses	8
	Program Elective Courses	6			
	Open Elective Courses	2			
<b>TOTAL</b>		<b>17</b>	<b>TOTAL</b>		<b>17</b>