

**BACHELOR OF SCIENCE WITH EDUCATION (CHEMISTRY) WITH HONOURS**  
**PROGRAMME STRUCTURE (SHPCH)**  
**INTAKE 2024/2025**

**YEAR 1**

**Semester 1**

UHS1022	Falsafah dan Isu Semasa	2
UHMS1182	Penghayatan Etika dan Peradaban	2
SHPP1032	Telecommunication & Computer Network	2
SHPP1012	Psychology of Education	2
SHPP2882	Co Curriculum Management, Sport and Games	2
SSCK1603	Organic Chemistry Functional Group	3
SSCK1831	Organic Chemistry Practical I	1
<b>TOTAL</b>		<b>17</b>

**Semester 2**

UHLB1112	English Communication Skills	2 (HL)
ULRS1012	Nilai dan Jati Diri	2
	Elektif Bebas	3
SHPP1042	Educational Technology	2
SHPP1002	Educational Philosophy	2
SHPP1022	Teaching Professionalism	2
SSCC1713	Main Group Elements	3
SSCC1851	Inorganic Chemistry Practical I	1
<b>TOTAL</b>		<b>17</b>

**HL = Hadir Lulus**

**YEAR 2**

**Semester 1**

UHLB2122	Kemahiran Komunikasi Profesional 1	2
SHPP2002	Fundamental of Pedagogy	2
SSSC2413	Chemical Thermodynamics	3
SSSC2831	Physical Chemistry Practical I	1
SHPN1022	Science & Mathematics Learning	2
SHPN1012	Science & Mathematics Curriculum	2
SHPK2121	Practical in Chemistry Education I	1
SHPP2102	Basic Programming	2
SSCM1103	Statistics	3
<b>TOTAL</b>		<b>18</b>

**Semester 2**

UKQF2XX2	Elektif Pembelajaran Servis & Penglibatan Komuniti (Badan beruniform)	2
SHPP3042	Research Methods in Education	2
SSCK1213	Analytical Chemistry and Instrumentation	3
SSCK1891	Analytical Chemistry Practical	1
SHPK2113	Teaching and Assessment Method in Chemistry	3
SHPK3131	Practical in Chemistry Education II	1
SHPP2333	Development of Digital Learning Object and Mobile Application	3
SSCK2613	Organic Chemistry – Biomolecules	3
<b>TOTAL</b>		<b>18</b>



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**YEAR 3**

**Semester 1**

UHLB3132	Kemahiran Komunikasi Profesional 2	2
UHLX1112	Elektif Komunikasi Bahasa Asing	2
ULRS3032	Keusahawanan dan Inovasi	2
SHPP 2032	Measurement & Evaluation in Education	2
SHPP 4722	Online Learning & Teaching Techniques	2
SSSC 2453	Chemical Kinetics & Electrochemistry	3
SHPN 2052	Laboratory Safety & Management	2
SHPP 1702	Multimedia Design and Human Computer Interaction	2
SHPA 2001	Microteaching	1
<b>TOTAL</b>		<b>18</b>

**Semester 2**

SHPA3008	Teaching Practice	8
<b>TOTAL</b>		<b>8</b>

**YEAR 4**

**Semester 1**

SHPP 4052	Sociology of Education	2
SHPP 4502	Counseling & Guidance	2
SHPU 4902	Undergraduate Project I	2
SHPK 4143	Issues and Innovation in Chemistry Education	3
SHPP 3303	Creative Multimedia Technology	3
SHPU5013*	Innovation in Teaching and Learning	3
SHPU5103*	Design and Implementation of Chemistry Curriculum	3
SHPN3422**	Nature of Science and Mathematics	2
SHPP2343**	Information Management System & Database Development	3
<b>TOTAL</b>		<b>18*/17**</b>

**Semester 2**

SHPP4043	Teacher Development	3
SHPU4904	Undergraduate Project II	4
SSCC2213	Environmental Chemistry	3
SSCC2713**	Coordination Chemistry	3
SHPN4442**	Integrated STEM Education	2
SHPU5024*	Research Methodology and Data Analysis in Education	4
<b>TOTAL</b>		<b>14*/ 15**</b>

\*PRISM course: for students with a CGPA of 3.3 and above

\*\* Optional courses for students who cannot take PRISM course

**Total Credit** **128**  
**Counted Credit** **128**

Prepared by :

**(Dr. Chuzairy bin Hanri)**  
Program Coordinator of SHPCH

Approved by :

**(Assoc. Prof. Ts. Dr. Noor Dayana binti Abdul Halim)**  
Director Science, Mathematics and Creative Multimedia