

BACHELOR OF SCIENCE WITH EDUCATION (CHEMISTRY) WITH HONOURS
PROGRAMME STRUCTURE (SHPOCH)
INTAKE 2022/2023

September Intake

YEAR 1

Semester 1

SHPP1012	Educational Psychology	2
SHPP1032	Telecommunication and Computer Network	2
SHPP2882	Co Curriculum Management, Sport and Games	2
SSCK1603	Organic Chemistry Functional Group	3
SSCK1831	Organic Chemistry Practical I	1
SSCM1023	Mathematical Method 1	3
ULRS1022	Philosophy and Current Issues	2
ULRS1182	Appreciation of Ethics and Civilization	2
TOTAL		17

Semester 2

SHPP1002	Educational Philosophy	2
SHPP1042	Educational Technology	2
SHPP1022	Teacher Professionalism	2
1XX3	Free Elective	3
SSCC1713	Main Group Elements	3
SSCC1851	Inorganic Chemistry Practical I	1
ULRS1012	Value and Identity	2
UHLB1112 (MUET 1-3)	English Communication Skills	2 (HL)
TOTAL		15

YEAR 2

Semester 1

SHPP2002	Fundamental of Pedagogy	2
SHPP2102	Basic Programming	2
SHPN1022	Science & Mathematics Learning	2
SHPN1012	Science & Mathematics Curriculum	2
SHPK2121	Practical in Chemistry Education I	1
SSCM1103	Statistics	3
SSSC2413	Chemical Thermodynamics	3
SSSC2831	Physical Chemistry Practical I	1
UHLB2122	Academic Communication Skills	2
TOTAL		18

Semester 2

SHPP3042	Research Methods in Education	2
SHPP2333	Development of Digital Learning Object and Mobile Application	3
SHPK3131	Practical in Chemistry Education II	1
SHPK2113	Teaching and Assessment Method in Chemistry	3
SSCK1213	Analytical Chemistry and Instrumentation	3
SSCK1891	Analytical Chemistry Practical	1
SSCK2613	Organic Chemistry – Biomolecules	3
ULRF2XX2	Co-Curriculum Service Learning Elective (CCSL)	2
TOTAL		18

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YEAR 3

Semester 1

SHPP2032	Measurement & Evaluation in Education	2
SHPP4722	Online Learning and Teaching Techniques	2
SHPA2001	Microteaching	1
SHPP1702	Multimedia Design and Human Computer Interaction	2
SHPN2052	Laboratory Safety & Management	2
SSSC2453	Chemical Kinetics & Electrochemistry	3
UHLB3132	Professional Communication Skills 2	2
ULRS3032	Entrepreneurship & Innovation	2
UHLX1112	Foreign Language Electives	2
TOTAL		18

Semester 2

SHPA3008	Teaching Practice	8
TOTAL		8

YEAR 4

Semester 1

SHPP4062	Sociology of Education	2
SHPP4502	Counseling & Guidance	2
SHPP3303	Creative Multimedia Technology	3
SHPP2343	Information Management System & Database Development	3
SHPU4902	Undergraduate Project I	2
SHPU5013	Innovation in Teaching and Learning	3
SHPU5103	Design and Implementation of Chemistry Curriculum	3
SHPK4143	Issues and Innovation in Chemistry Education	3
SSCC2713	Coordination Chemistry	3
TOTAL		18

Semester 2

SHPP4043	Teacher Development	3
SHPU4904	Undergraduate Project II	4
SHPN3422	Nature of Science and Mathematics	2
SHPN4442	Integrated STEM Education	2
SSCC2213	Environmental Chemistry	3
SHPU5024	Research Methodology and Data Analysis in Education	4
TOTAL		14

Total Credit
Counted Credit

126
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