

BEd (Hons) BIOLOGICAL SCIENCES

The BEd (Hons) in Biological Sciences is a four-year full-time degree programme. This degree demonstrates command and understanding of the subject matter related to Biology and Chemistry disciplines and teaching principles to exhibit professional competence in teaching Biology and Chemistry for secondary classes including Advanced Level. The graduates will be able to utilise different generic skills in teaching and learning and display commitment to teaching with a professional and ethical attitude with a global perspective. The students are expected to engage in a compulsory teaching practice of at least 10 weeks in a school setting, in addition to conducting a research study; as requirements for the completion of the degree programme.



WHY CHOOSE BIOLOGICAL SCIENCES?

- Taught in English medium which opens postgraduate pathways
- Opportunities in state schools, international schools, overseas schools and private tuition
- Covers the contents of PG Diploma in Education in addition to Biology and Chemistry
- Opportunities in state schools, international schools, overseas schools and private tuition

CAREER OPPORTUNITIES

- English medium teaching opportunities in State and Private sector
- Lecturers in Noncommissioned Officer Education System
- University Lecturers
- Sri Lanka Education Administrative Service Officers
- Overseas teaching opportunities
- Project officers in Educational projects funded by International Organisations
- Research assistants, program officers, curriculum developers etc. in local or foreign funded programs concerned with education.
- Qualified to sit the competitive examinations held to fill various government positions

ENTRY REQUIREMENTS

i. Minimum 3 "S" passes in G.C.E A/L (Sri Lanka) or Minimum 3 "D" passes in Cambridge or Edexcel A/Ls, including Biology & Chemistry in one and the same sitting, and pass the Aptitude Test conducted by SLIIT.

ii. Any other equivalent qualification considered by the SLIIT.

YEAR ONE

SEMESTER 01

ED1013	Philosophical Foundation in Education	03
ED1022	ICT for Education	02
ED1062	General English	02
SC1013	Chemical and Cellular Basis of Life	03
SC1022	General Chemistry	02
SC1031	General Chemistry Laboratory	01

SEMESTER 02

ED1033	Psychological Foundation of Education	03
ED1043	Teaching Methods – General & Special	03
ED1052	Sociological Foundation of Education	02
SC1043	Basic Analytical Chemistry	03
SC1052	Evolution and Diversity of Organisms	04
SC1061	Inorganic Chemistry I	02
SC1071	Inorganic/Analytical Chemistry Laboratory I	01
SC1081	Laboratory Safety and Management	01

YEAR TWO

SEMESTER 01

ED2013	Comparative Education	03
ED2022	Guidance and Counselling	02
ED2033	Measurement and evaluation	03
SC2015	Plant Form and Function	05
SC2022	Organic Chemistry I	02
SC2031	Organic Chemistry Laboratory I	01
SC2041	Organic Synthesis	01
SC2052	Industrial Chemistry	02

SEMESTER 02

ED2042	Value Education	02
ED2052	Management of Learning	02
ED2062	Aesthetic Education	02
ED2072	Educational Planning	02
SC2066	Animal Form and Function	06
SC2072	Physical Chemistry I	02
SC2081	Physical Chemistry Laboratory I	01
SC2091	Biochemistry	01

YEAR THREE

SEMESTER 01

ED3012	Soft Skills for Teachers	02
ED3022	Child Rights	02
ED3032	Physical Education	02
SC2101	Environmental Chemistry	01
SC3013	Environmental Biology	03
SC3023	Microbiology	03
SC3033	Inorganic Chemistry II	02
SC3041	Inorganic/ Analytical Chemistry Laboratory II	01
SC3051	Natural products	01

SEMESTER 02

ED3043	Lifelong Education	02
ED3053	Portfolio and Teaching Practice	08
ED3052	Tertiary Education	02
SC3062	Principles of Genetics	02
SC3072	Molecular Biology – Basic Techniques and Applications	02
SC3084	Applied Biology	04
SC3092	Solid State and Organometallic Chemistry	02
SC3101	Organic Chemistry Laboratory II	01
SC3112	Fundamentals of Spectroscopy	02
SC3121	Nanotechnology	01
SC3131	Computational Chemistry	01

YEAR FOUR

SEMESTER 01

ED4013	Research Methods	03
ED4023	Curriculum Theory and Practice	03
SC4011	Food Technology	01
SC4021	Immunology	01
SC4032	Advanced Biology	02
SC4042	Physical Chemistry II	02
SC4051	Physical Chemistry Laboratory II	01
SC4061	Nuclear Chemistry	01
SC4071	Surface Science and Catalysis	01
ED4036	Dissertation	06
ED4046	Practicum (Teaching Practice)	06