

BEd (Hons) PHYSICAL SCIENCES



The BEd (Hons) in Physical Sciences is a four-year full-time degree programme. In the four years of study, we provide a balance between both the theoretical and practical the essence of Physics, Mathematics and Education related subjects. This degree runs alongside courses focusing on developing skills essential for teaching Physics and Mathematics at the secondary schools, including Advanced Level classes. Our Bachelor of Education graduates are sought after by both public and private sector institutions and will be acceptable locally and globally.

WHY CHOOSE PHYSICAL SCIENCES?

- Be a Professional teacher in Physics and Mathematics
- 10 weeks of teaching practicum in a school setting
- Covers the contents of PG Diploma in Education in addition to Physics and Mathematics
- Taught in English medium which opens postgraduate pathways.
- Opportunities in state schools, international schools, overseas schools and private tuition

CAREER OPPORTUNITIES

- English medium teaching opportunities in State and Private Sector
- 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.
- Pension and Retirement Benefits Actuaries
- 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) in the Physical Science Stream including Mathematics (Combined Mathematics or Higher Mathematics) and Physics or a minimum 3 "D" passes in Cambridge or Edexcel A/Ls, including Mathematics and Physics 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
MA1014	Pre-calculus	04
MA1023	Discrete Mathematics	03
SC1033	General Physics I	03
SC1041	Physics Practical 1	01

SEMESTER 02

ED1033	Psychological Foundation of Education	03
ED1043	Teaching Methods – General & Special	03
ED1052	Sociological Foundation of Education	02
MA1054	Differential Calculus	04
MA1063	Probability Theory and Statistics	03
SC1073	General Physics II	03
SC1081	Physics Practical 2	01

YEAR TWO

SEMESTER 01

ED2013	Comparative Education	03
ED2022	Guidance and Counselling	02
ED2033	Measurement and evaluation	03
MA2014	Integral Calculus	04
MA2013	Linear Algebra	03
SC2023	Waves and Optics	03
SC2031	Physics Practical 3	01

SEMESTER 02

ED2042	Value Education	02
ED2052	Management of Learning	02
ED2062	Aesthetic Education	02
ED2072	Educational Planning	02
MA2044	Multivariate Calculus	04
MA2053	Advanced Statistics	03
SC2063	Electromagnetism I	03
SC2071	Physics Practical 4	01

YEAR THREE

SEMESTER 01

ED3012	Soft Skills for Teachers	02
ED3022	Child Rights	02
ED3032	Physical Education	02
MA3013	Ordinary Differential Equations	03
MA3022	History of Mathematics	02
SC3033	Electromagnetism II	03
SC3043	Thermodynamics	03
SC3051	Physics Practical 5	01

SEMESTER 02

ED3043	Lifelong Education	02
ED3053	Portfolio and Teaching Practice	08
ED3052	Tertiary Education	02
MA3063	Dynamics	03
MA3073	Numerical Methods	03
SC3083	Electronics	03
SC3091	Physics Practical 6	01

YEAR FOUR

SEMESTER 01

ED4013	Research Methods	03
ED4023	Curriculum Theory and Practice	03
MA4013	Partial Differential Equations	03
MA4023	Real Analysis	03

SEMESTER 02

ED4036	Dissertation	06
ED4046	Practicum (Teaching Practice)	06