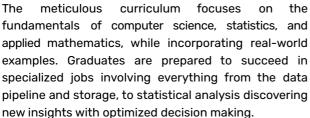
DATA SCIENCE





CAREER OPPORTUNITIES

- Data Engineers
- Data Scientists
- Big Data Engineers
- Data Analysts
- DevOps Engineers
- Database Administrators

- Business Intelligence Engineers
- Software Engineers
- Big Data Application Developers
- Data Architects
- Data Science Specialists
- Machine Learning Engineers

ENTRY REQUIREMENTS

Passes in three subjects (in any subject stream) at the G.C.E. Advanced Level Examination (Sri Lanka / London) in one and the same sitting, and a pass at the Aptitude Test conducted by SLIIT. To progress from second year semester one to second year semester two of the program, a student must pass all the modules up to the second year semester 01 and maintain a minimum CGPA of 2.7.

YEAR ONE SEMESTER 01	IT1120 IE1030 IT1130 IT1140	Introduction to Programming Data Communication Networks Mathematics for Computing Fundamentals of Computing	04 04 04 04
SEMESTER 02	IT1160 IT1170 SE1010 IT1150	Discrete Mathematics Data Structures and Algorithms Software Engineering Technical Writing	04 04 04 04
YEAR TWO SEMESTER 01	IT2120 IT2010 IT2130 IT2140	Probability and Statistics Object Oriented Programming Operating Systems & System Administration Database Design and Development	04 04 04 04
SEMESTER 02	IT2011 IT2150 SE2020 IT2160	Artificial Intelligence & Machine Learning IT Project Web and Mobile Technologies Professional Skills	04 04 04 04
YEAR THREE SEMESTER 01	IT3120 IT3081 IT3091 IT3101	Industrial Economics & Management Statistical Modelling Machine Learning Data Warehousing and Business Intelligence	04 04 04 04
SEMESTER 02	IT3190 IT3111 IT3121 IT3160	Industry Training Deep Learning Cloud Data Analytics Research Methods	08 04 04 04
YEAR FOUR SEMESTER 01	IT4200 IT4051 IT4061 IT4081 IT4091	Research Project - I Modern Topics in Data Science Natural Language Processing Software Engineering Concepts Optimization Methods	04 04 04 04
SEMESTER 02	IT4200 IT4071 IT4101 IT4111	Research Project - II Data Governance, Privacy and Security Database Implementation and Administration MLOps for Data Analytics	08 04 04 04