



Experiment. Experience. Excel.

STUDENT GUIDE

2023 - 24



BUILDING FUTURE-READY SKILLS



Experiment. Experience. Excel.



OUR VISION

To prepare our students for the future by inculcating a culture of open, life-long learning and a commitment to excellence.



OUR MISSION

Create an academe-industry ecosystem that provides experiential learning opportunities for students to build job skills in emerging science, technology, and business domains



Experiment. Experience. Excel.

WHO ARE WE?

NorthernUni is an education initiative by the MAGICK Group in collaboration with SLIIT, which is the largest non-state degree awarding institute in Sri Lanka. This partnership brings best-in-class IT and business programmes to Jaffna. Students of these programs are job-ready and have high placement numbers in their respective fields.

MAGICK Group is a 30-year-old multinational group with interests in home interiors, IT products/services, and education. The group has a global presence with brands such as MagickWoods, MagickTech, MagickHome, and NorthernUni.

NorthernUni's strong industry connections provide students with opportunities for industry interactions, internships, and employment. Through this, our students build job-ready skills in emerging science, technology, and business domains.

NorthernUni is building a state-of-the-art campus in the heart of Jaffna. The Jaffna campus will have cutting-edge computer lab facilities, an extensive library, digital infrastructure and tech-enabled classrooms.

At NorthernUni, we focus on preparing our students for the future. Students will have access to:

- Industry-relevant academic programmes, pathways, and credentials for **emerging job roles**
- An upskilling and reskilling framework that supports **lifelong learning**.
- Language, cross-cultural, and work etiquette credentials that will help in improving **job placements**.
- Onsite and virtual **internship** programmes
- A **start-up ecosystem** with incubators/ accelerators, shared services, mentoring and funding support.



■ TECHNOLOGY ENABLED CLASSROOMS

■ STATE-OF-THE-ART INFRASTRUCTURE



SLIIT has an honoured history and a continued thirst for achievement characterised by the tireless pursuit of accreditations & collaborations.

It is the first Sri Lankan institute to be accredited by the Institution of Engineering and Technology UK, for Information Technology degrees. Its degrees are also approved by the University Grants Commission under the Universities Act & the Ministry of Education. SLIIT is ranked first in QS South Asia rankings in the non-state sector.

The institute is a Member of the Association of Commonwealth Universities and International Association of Universities (IAU). SLIIT offers a wide range of study

areas, including Bachelor's, Master's and PhD degrees in Computing, Business, Engineering, Architecture, Quantity Surveying, Psychology, Law, Nursing, Education and Sciences. SLIIT also connects people both locally and globally. We have more than 50 industry partners and collaborative agreements with foreign universities to broaden our horizons.

Since its inception in 1999, SLIIT has successfully established an environment that is conducive to learning throughout all its campuses and centres. The institute has two campuses in Malabe and Colombo and four regional centres.

Having started out with a mere 400 students, today, the institute boasts a student population of over 15,000. Together with superior research facilities and optimum resources, SLIIT is able to encourage students to reach new heights in both innovation and excellence.

In collaboration with NorthernUni, SLIIT brings modern facilities, experienced

lecturers and an educational experience that is available in Colombo and Malabe to Jaffna. These are 4-year programmes with the flexibility to exit and/or rejoin at each level and continue through to graduation.





COURSES OFFERED

FACULTY OF COMPUTING

NorthernUni's Faculty of Computing offers BSc (Honors) in Information Technology specializing in Information Technology, Software Engineering, Computer Systems and Network Engineering, Information Systems Engineering, Cyber Security, Interactive Media, and Data Science.

With state-of-the-art computer labs, virtual lab environments,

and focus on application-based learning, NorthernUni provides its Faculty of Computing students with the ideal environment to develop their computing skills to be employable in fast growing IT industry.

Our computing degrees are awarded by SLIIT as approved by the UGC under the Universities Act and the Ministry of Education and Higher Education.



4 yrs



Feb/Jun



Jaffna



**Weekdays/
Weekends**



**Weekdays/
Weekends**

INFORMATION TECHNOLOGY

About the Programme

The programme inculcates the right combination of theory and practical, hands-on expertise on how to take care of both an organisation's information technology infrastructure and the people who use it. A graduate of this programme is capable of developing/selecting hardware and software products appropriate for an organisation, integrate those products with organisational needs and infrastructure, and install, customise, and maintain those applications.

This programme is designed for students who wish to build a solid technical foundation in information technology and apply that knowledge to design, deploy, and maintain IT infrastructure in organizations. The programme covers a wide range of key knowledge areas related to Information Technology, including Programming, Software Engineering, Networking, Database Management Systems, Operating Systems, Web Technologies, and Human-Computer Interaction.

ENTRY REQUIREMENTS

- Minimum 3 "S" passes in G.C.E A/L (Sri Lanka)
- OR** Minimum 3 "D" passes in G.C.E A/L Cambridge or Edexcel (in any subject stream) in a single sitting
- AND** Pass the Aptitude Test conducted by NorthernUni

The graduates are also exposed to other vital areas, such as Systems Administration, Technical Support, Project Management, Accounting, Marketing, Entrepreneurship, and Business management.



CAREER OPPORTUNITIES

- ICT Infrastructure Engineers
- Information Assurance Engineers
- Software Quality Assurance Engineers
- Software Engineers
- Network Engineers
- DevOps Engineers
- Project Coordinators
- Business Analysts
- IT Managers
- IT Educationists

COMPUTER SYSTEMS & NETWORK ENGINEERING

About the Programme

This program is focused on design, development and maintenance of computer and data communication networks. It also covers skills to design and maintain services required to secure enterprise network infrastructure.

It includes a wide range of key knowledge areas related to computer systems and networking including network design and management, the convergence of IT and telecommunications, embedded systems, computer hardware and software, real-time systems and IT technical support.

The programme is especially designed to improve the students' knowledge on theories, principles, and practices in computer network engineering.



ENTRY REQUIREMENTS

Minimum 3 "S" passes in G.C.E. A/L (Sri Lanka) including Physics and Combined Mathematics

OR Minimum "3D" passes in G.C.E. A/L Cambridge or Edexcel including Physics and Mathematics in one sitting

AND Pass the Aptitude Test conducted by NorthernUni

SOFTWARE ENGINEERING

About the Programme

This programme focuses on applying software engineering theories and practices to design, develop, and maintain solutions for complex real-world problems through a sequence of processes including problem identification, analysis, software design, development, verification and documentation.

Solutions may range from single-user applications to enterprise-level applications that can scale globally.

The programme covers a wide range of key knowledge areas related to software engineering including requirements engineering, object-oriented analysis and design, full-stack development, mobile application development, enterprise-level application development, architecting software

ENTRY REQUIREMENTS

Minimum 3 "S" passes in G.C.E A/L (Sri Lanka)

OR Minimum 3 "D" passes in G.C.E A/L Cambridge or Edexcel (in any subject stream) in a single sitting

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applications that can scale globally, software quality assurance, user interaction/user experience design and industry best practices for developing software.

It aims to instill a solid foundation in the entire software development lifecycle and equip students with both theoretical and practical skills.

Students have an opportunity to intern for 3 to 6 months at an organisation at the end of their third academic year.

CAREER OPPORTUNITIES

- Network Engineers
- Network Administrators
- Computer Systems Engineers
- Computer Systems Administrators
- Database Administrators
- Cloud Systems Engineers
- Scripting Engineers
- DevOps Engineers
- Security Engineers
- Infrastructure Engineers
- Network Architects
- Virtualisation Engineers
- Backup Storage Engineers
- Network Designers



CAREER OPPORTUNITIES

- Software Engineer
- Mobile Application Engineer
- UI/UX Engineer
- Full Stack Developer
- Web Application Developer
- DevOps Engineer
- Machine Learning Engineer
- Quality Assurance Engineer
- Cloud Software Engineer
- Site Reliability Engineer

DATA SCIENCE

About the Programme

The meticulous curriculum of Data Science focuses on the fundamentals of computer science, statistics, and applied mathematics, while incorporating real-world examples. Graduates are prepared to succeed in specialized jobs involving everything from the data pipeline and storage, to statistical analysis and eliciting the story that data tells. Students will cover multiple facets of data science including Data Warehousing & Business Intelligence (BI), Data Mining and Analytics, Cloud Computing, Machine Learning, Big Data Analytics, and Visual Analytics.



ENTRY REQUIREMENTS

Minimum 3 "S" passes in G.C.E A/L (Sri Lanka)

OR A minimum 3 "D" passes in G.C.E A/L Cambridge or Edexcel (in any subject stream) in one sitting

AND Pass the Aptitude Test conducted by NorthernUni

To progress from the second year to the third year of the specialisation, a student must meet the minimum GPA requirement specified by the faculty.

CYBER SECURITY

About the Programme

The course is designed for students who wish to gain an accelerated early career in cyber/information security. It will prepare you for a successful career in the various roles directly and indirectly connected to the world of computer, network and information security. The course covers various aspects of security, including mobile, network, Data/Information, Hardware and Operating Systems security. It also examines real world issues related to Governance, Information Warfare, Cyber Forensics, and Ethical Hacking.

ENTRY REQUIREMENTS

Minimum 3 "S" passes in G.C.E A/L (Sri Lanka)

OR Minimum 3 "D" passes in G.C.E A/L Cambridge or Edexcel (in any subject stream) in one sitting

AND Pass the Aptitude Test conducted by NorthernUni

To progress from the first year to the second year of the specialisation, a student must meet the minimum GPA requirement specified by the faculty.

CAREER OPPORTUNITIES

- Big Data Engineer
- Data Analyst
- Data Scientist
- Business Intelligence Engineer
- Software Engineer
- Data Architect
- Database Administrator
- Consultant, Business Analytics
- Machine Learning Engineer
- Big Data Application Developer
- Data Science Specialist



CAREER OPPORTUNITIES

- Cyber Security Professionals
- Network Security Specialists
- Operations and Security Managers
- Incident and Threat Managers
- Systems Security Architects
- Risk Analysts and Risk Managers
- Computer Forensics Investigators
- Security Operations Center (SOC) Analysts

INTERACTIVE MEDIA

About the Programme

Our Interactive Media degree will give you the capability to create the new varieties of interactive media content that are transforming our society and culture. The unique multidisciplinary degree brings together technical, creative and socio-cultural perspectives through Design Ideation, 3D Modelling & Animation, and Digital Video Production

ENTRY REQUIREMENTS

Minimum 3 "S" passes in G.C.E A/L (Sri Lanka)

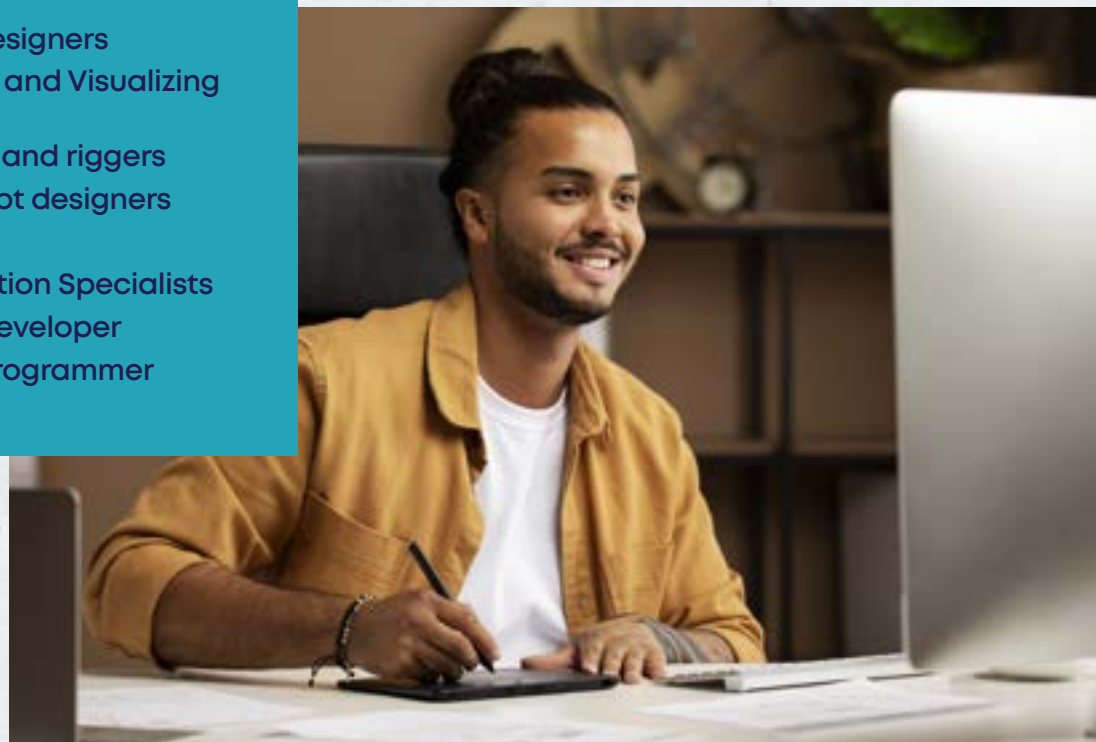
OR Minimum 3 "D" passes in G.C.E A/L Cambridge or Edexcel (in any subject stream) in one sitting

AND Pass the Aptitude Test conducted by NorthernUni

To progress from the second year to the third year of the specialisation, a student must pass a selection interview

CAREER OPPORTUNITIES

- Interactive Designers
- 3 D Modelling and Visualizing Artists
- 3D Animators and riggers
- Game Concept designers
- UI Engineers
- Video Production Specialists
- Multimedia Developer
- Multimedia Programmer



INFORMATION SYSTEMS ENGINEERING

About the Programme

Information Systems Engineering specialty programme is the key to develop and manage complex systems that solve real-world problems. The students get to enhance their knowledge on areas namely, Project Management, Software Quality Assurance, Data Management so on so forth.

Duration : 4 Years

Entry : February / June / September

Location : Malabe / Colombo / Matara / Kandy / Kurunegala

Examinations : Weekdays / Weekends

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.

CAREER OPPORTUNITIES

- Business Analyst
- Systems Analysts
- Information Manager
- Business Consultant
- IS Auditor
- Project Managers
- IT Consultant
- IT Technical Support Officer
- Data Analyst
- Data Scientist
- IT Manger
- Database Administrator
- System Developer
- Application Analyst
- Application Developer





COURSES OFFERED

SCHOOL OF BUSINESS

Today, Business Management is a competitive and ever-evolving field. Our BBA Honours Degree allows students to apply their theoretical knowledge effectively in practical situations. We aim not only to develop the necessary skills to succeed in business management, but also the right attitude. Along with the ability to think analytically and solve problems independently, they will be able to work as experts within the industry.

Our business degrees are awarded by SLIIT as approved by the UGC under the Universities Act and Ministry of Education. The institute is also a Member of the Association of Commonwealth Universities and International Association of Universities (IAU) as well as a Member of the Association to Advance Collegiate Schools of Business (AACSB).



4 yrs



Feb/Jun



Jaffna



**Weekdays/
Weekends**



**Weekdays/
Weekends**

ACCOUNTING & FINANCE

About the Programme

The programme offers a well-rounded mix of modules covering all aspects of accounting and financial management that blends an understanding of the financial world and the topical issues affecting it. The content of this programme is reviewed periodically to ensure it is kept up-to-date and in line with industry needs.

Students are provided with a thorough grounding of the theory and practice of accounting and finance embedded with IT not only in preparation for employment, but also for further academic and professional advancement.

This programme is accredited by the Chartered Institute of Management Accountants (CIMA) and the Institute of Certified Management Accountants of Sri Lanka (CMA), who are the Members of the International Federation of Accountants (IFAC), and CMA being a Member of the South Asian Federations of Accountants (SAFA) and the



Confederation of Asian and Pacific Accountants (CAPA).

Moreover, the Chartered Institute for Securities and Investments (CISI) has recognized this degree by exempting foundation level completely.

ENTRY REQUIREMENTS

- Minimum 3 "S" passes in G.C.E A/L (Sri Lanka)
- OR** Minimum 3 "D" passes in G.C.E A/L Cambridge or Edexcel (in any subject stream) in a single sitting
- AND** Pass the Aptitude Test conducted by NorthernUni

CAREER OPPORTUNITIES

- Accounts Executives
- Accountants
- Audit Executives
- Finance Executives
- Finance Managers
- Audit Supervisors
- Management Trainees (Finance)
- Management Accountants
- Cost Accountants
- Financial Analysts
- Internal Auditors



BUSINESS ANALYTICS

About the Programme

Graduates of this program help organizations to improve the speed and effectiveness of generating business insights and intelligence from the data gathered from internal business processes, sources and devices.

Their knowledge and skills in business analytics can be used to gain insights that inform business decisions and can be used to automate and optimize business processes.

Data-driven companies treat their data as a corporate asset and leverage it for a competitive

ENTRY REQUIREMENTS

Minimum 3 "S" passes in G.C.E A/L (Sri Lanka)

OR Minimum 3 "D" passes in G.C.E A/L Cambridge or Edexcel (in any subject stream) in a single sitting

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advantage. Our graduates are trained on the concepts of data analysis and skilled at using analytical tools to help companies leverage their data for effective decision-making.

There is a significant demand in the modern business world for business analytics graduates.

LOGISTICS & SUPPLY CHAIN MANAGEMENT

About the Programme

This programme provides students with the core knowledge necessary for a wide range of logistics and supply chain activities such as demand planning, purchasing, inventory control, material handling, product and service support, IT, transportation, distribution, warehousing and strategic supply chain management.

It focuses on the analysis, design, implementation, planning, control and improvement of manufacturing and service processes. The programme provides the theoretical/ conceptual base and analytical methods for making sound operational and strategic business decisions.

ENTRY REQUIREMENTS

Minimum 3 "S" passes in G.C.E A/L (Sri Lanka)

OR Minimum 3 "D" passes in G.C.E A/L Cambridge or Edexcel (in any subject stream) in a single sitting

AND Pass the Aptitude Test conducted by NorthernUni

Graduates of this programme can pursue professional careers with manufacturers, distributors, transportation carriers, logistics service providers.

CAREER OPPORTUNITIES

- Enterprise Content Management Consultants
- BA Strategy Consultants
- Business Intelligence and Performance Management Consultants
- Optimisation Consultants
- Enterprise Information and Management Consultants
- Business Analytics

CAREER OPPORTUNITIES

- Procurement / Purchasing / Sourcing Executive
- Supply Chain Executives
- Strategic Buyers
- Demand Planners
- Shipping and Logistic Executives
- Operations Specialist
- Logistics Assistant
- Logistics Analyst



MARKETING MANAGEMENT

About the Programme

Marketing management emphasizes the importance of converting an organization's entire system into a customer focused entity. Students are able to gain an entirely new perspective of both the organization and the customer. Complete with universally applicable fundamentals, the course will provide students an in-depth knowledge of marketing in today's competitive business environment.

CAREER OPPORTUNITIES

- Marketing Manager
- Management Trainee-Marketing
- Sales/ Marketing Executive
- Manager (Customer Relations)
- Brand Executives/ Brand Managers
- Online Marketing Analyst
- Marketing Specialist
- Tele Marketing
- Digital Marketing Executive
- Merchandiser
- Clients Servicing
- Public Relations Specialist
- Research Executives
- Lecturer / Academic

ENTRY REQUIREMENTS

Minimum 3 "S" passes in G.C.E A/L (Sri Lanka)

OR Minimum 3 "D" passes in G.C.E A/L Cambridge or Edexcel (in any subject stream) in a single sitting

AND Pass the Aptitude test conducted by NorthernUni





**EDUCATION
IS NOT
PREPARATION
FOR LIFE;
EDUCATION
IS LIFE
ITSELF**

JOHN DEWEY



 **NORTHERN
UNI**

Experiment. Experience. Excel.



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