

# STUDY IN SRI LANKA OBTAIN A PROFESSIONAL IT JOB IN JAPAN!



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**LNBTU** Japanese  
IT University  
LANKA NIPPON BIZTECH INSTITUTE

## **BSC (HONS) SOFTWARE ENGINEERING**

This MOE-approved degree program prepares students with the skills needed for real industry work. It meets both local and international academic standards and follows ACM, IEEE, SLQF, and Japanese language education guidelines. The curriculum covers important areas in computing and focuses on technical skills, personal growth, communication, and entrepreneurship. Graduates will be ready for jobs in Japan, starting their own businesses, or continuing their studies.

**10** Years  
of Excellence



278, HIGH LEVEL ROAD,  
MAHARAGAMA, SRI LANKA.

# CORE MODULES

## 1<sup>st</sup> Year

Foundation Mathematics  
English and Communication Skills  
Computational Thinking

**BRIDGING  
COURSE**

Japanese Cultural Orientation  
Communication Skills

**ORIENTATION  
COURSE**

Computer Fundamentals  
Japanese Language Level I  
Technical Writing  
Programming Fundamentals  
Technologies for Web development  
Mathematics I for SE  
Fundamentals of Multimedia

**01**  
SEMESTER

Japanese Language Level II  
Database Systems  
Object Oriented Modelling and Development  
Web Programming  
Requirement Engineering  
Mathematics II for SE

**02**  
SEMESTER

## 2<sup>nd</sup> Year

Japanese Language Level III  
Data Structures and Algorithms  
Internetworking  
Software Architecture and Design  
Visual Application Programming  
Mathematics III for SE

**03**  
SEMESTER

Japanese Language Level IV  
System Analysis and Development – Group  
Project  
Advanced Database Systems  
Project Management  
Computer Architecture  
Statistics I for SE

**04**  
SEMESTER

# CORE MODULES

## 3<sup>rd</sup> Year

Japanese Language Level V  
Industrial Based Software Development Group Project  
Software Process Improvements  
Operating Systems  
Software Testing and Quality Assurance  
Professional Practice and Work Based Learning  
Statistics II for SE  
Optional (select only one) subject  
Enterprise Application Development  
Physics and Digital Electronics  
Mobile Application Development

05 SEMESTER

Software Evolution  
Industrial Training  
Japanese Way of Doing Business  
Business Management and Regulatory Studies

06 SEMESTER

## 4<sup>th</sup> Year

Japanese Language Level VI  
Final Year Software Engineering Research  
Project –Part I (Year Long)  
Research Methodology  
Software Measurement Metrics  
Optional (select only one) subject  
High Performance Computing  
Data Mining and Machine Learning  
Internet of Things  
Computer Virtualization  
Cyber Security and Forensics  
Advanced Physic

07 SEMESTER

Japanese Language - Level VII  
Final Year Software Engineering Research  
Project –Part II (Year Long)  
Human Computer Interaction and UX  
Engineering  
Software Safety and Reliability  
Optional (select only one) subject  
Formal Methods  
Ethical Hacking  
Big Data Analytics  
Entrepreneurship  
Cloud Computing  
Image Processing  
Game Development and Programming  
Introduction to Robotics  
Wireless Networks  
Advanced Mathematics

07 SEMESTER

LNBTI



# BSC (HONS) SOFTWARE ENGINEERING DEGREE

## Entry Requirements

- Three (3) simple passes ('S') in Physical Science /ICT subject streams in the same sitting at the GCE (Advanced Level) Examination conducted by the Department of Examination or equivalent qualification
- OR
- At least three (3) simple passes ('S') in any stream in the same sitting at the GCE (Advanced Level) Examination conducted by the Department of Examination or equivalent qualification, with a bridging course approved by the Specified Authority.
- Candidates must have Credit passes (C) in Mathematics and English at the G.C.E Ordinary level conducted by the Department of Examination of Sri Lanka.

Students who have not yet completed this requirement are still eligible to enroll. However, they must fulfill this requirement within the first year of their degree program.

## Join the Japanese IT Industry as a Software Engineer

