EXCHANGE PROGRAM

TNI has cooperation with universities in ASEAN, Bangladesh, India, Japan, USA, etc. There are more than 80 universities and organizations in sharing knowledge and resources.

The cooperation has carried out various academic exchange programs, joint researches, joint seminars/ symposiums/ trainings/ internships, etc. This aims to strengthen good and productive relationship with partner universities in order to enhance the quality of education through the acquisition of relevant knowledge to equip students a well-nourished experience globally and to help them learn proactively.

TNI offers students the opportunity to participate in short-term and long-term exchange programs to experience their learning at host universities as well as to take the classes or research labs over short-term and long-term periods.

DGE

DIGITAL ENGINEERING: DGE

BACHELOR OF ENGINEERING (DIGITAL ENGINEERING)

The Digital Engineering (DGE) curriculum is designed to create digital engineers for rapidly changing digital technology and its applications. The critical skill sets that DGE students will receive are

(1) Digital manufacturing using mechatronics, automation, and robotics for smart factory
(2) Rapid prototyping with 3D printing
(3) Intelligent embedded systems and system integration
(4) Application of Industrial Internet of Things (IIoT)
(5) Machine learning algorithms and hardware-based Artificial Intelligence (AI) for industrial automation
(6) Autonomous electric vehicles

In a nutshell, it is a path for the millennial youths to nourish themselves towards the goals of Industry 4.0.

CAREER

+ System Integration Engineer
+ Digital Innovation and Development Engineer
+ Industrial IoT Platform and Wearable Design Engineer
+ Robotics Engineer
+ Researcher in Digital and AI Fields
+ Entrepreneur in Digital Technology

MORE CORE COURSES:

Mechatronics for Digital Engineering, Intelligent Human-Computer Interactions, Data Analytics and Machine Learning, Fog and Cloud Computing, Industrial Automation Systems, System Integration and Internet-of-Things, Startup Entrepreneurship and Innovation Managements

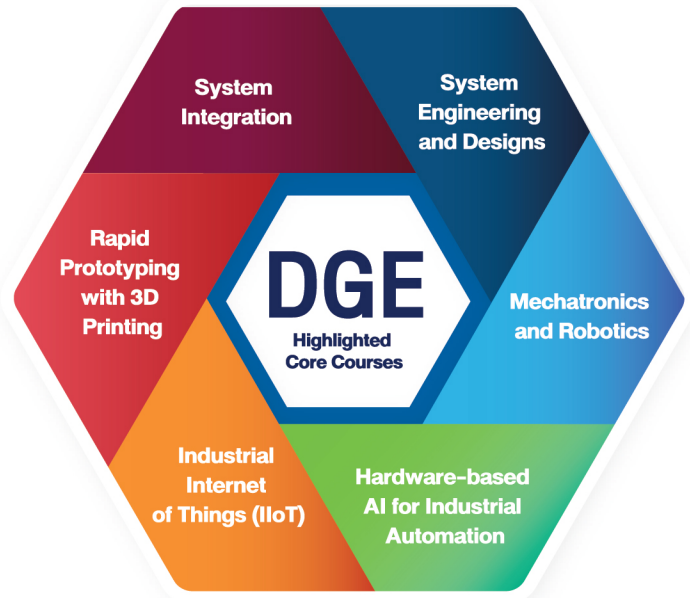**System Integration**

System Engineering and Designs

Rapid Prototyping with 3D Printing

DGE
Highlighted Core Courses

Mechatronics and Robotics

Industrial Internet of Things (IIoT)

Hardware-based AI for Industrial Automation

BEI

BUSINESS ENGINEERING AND INNOVATION: BEI

BACHELOR OF ENGINEERING (BUSINESS ENGINEERING AND INNOVATION)

Business Engineering and Innovation (BEI) curriculum is designed to create engineers which are skillful in both engineering and business management. They also have abilities of using analytical techniques, based on Data Science and Data Analytics. By following this program, the students will be developed their knowledge in fundamental engineering processes, industrial management, information technology skills, global business administration, finance and economics along with language and communication skills.

In addition, they will learn processes of designing products and services together with project management.

CAREER

+ Business Engineer
+ Innovation Management Engineer
+ Project Manager / Project Management Engineer
+ Application Engineer for Industry and Business Sectors
+ Data Analyst / Data Scientist in Business, Industry, and Banking Sectors
+ Factory Manager / Industrial Engineer
+ International Logistics Manager / International Logistics Engineer
+ Entrepreneur

SUBJECT TO LEARN

+ Fundamental Physics and Calculus
+ Fundamental Data Science and Data Analytics
+ Mechanics, Materials, and Manufacture
+ Marketing, Economics, Finance, and Accounting
+ Logistics and Shipping Management
+ Production Planning, Work Study, and Quality Control
+ Product Design, Innovation, and Project Management
+ Optimization Theories and AI

DSA

DATA SCIENCE AND ARTIFICIAL INTELLIGENCE: DSA

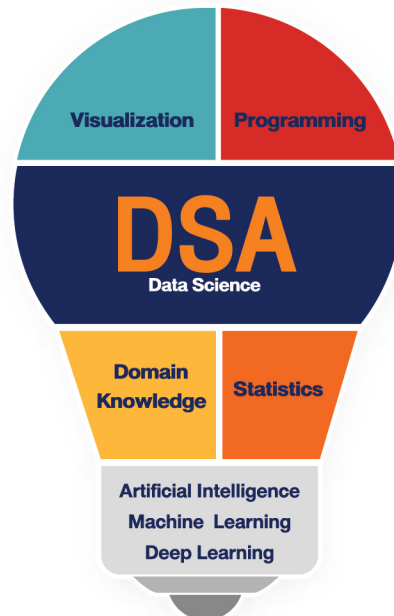BACHELOR OF SCIENCE (DATA SCIENCE AND ARTIFICIAL INTELLIGENCE)

DSA is multi-disciplinary field of studies combining the science of statistics and computer with the art of business and visualization.

Graduates will learn the best practices to transform data to insights, discover unseen patterns, and predict future trends for business competitiveness.

+ Intergrated approach with practical hand-on lessons.
+ Teach with up-to-date theories and technologies.
+ Learn with real industrial platforms and software.
+ Apply knowledge to solve business problems for startup and data-driven companies.

DSA program aims to produce graduates with knowledge and skill set for revolutionizing vital sectors :

+ Healthcare
+ Agriculture
+ Manufacturing
+ Finance
+ Sales & Marketing
+ Education

DATA SCIENCE AND ARTIFICIAL INTELLIGENCE

+ Programming in R, Python, and SQL
+ Artificial Intelligence and Machine Learning
+ Big Data Analytics and IoT
+ Business Data Analysis and Visualization
+ Social Media and E-commerce Analytics
+ Business Strategy and Decision Modeling
+ Digital Image Processing and Pattern Recognition
+ National Language Processing
+ Blockchain
+ Cloud Computing

CAREER

+ Data Scientist
+ Data Analyst and Modeler
+ Data Architect
+ Big Data Engineer
+ Machine Learning Enigineer
+ Business Intelligence Developer
+ Database Developer and Administrator
+ Data-Driven Product Officer
+ Startup Entrepreneur
+ AI Developer and Engineer

Visualization | Programming

DSA
Data Science

Domain Knowledge | Statistics

Artificial Intelligence
Machine Learning
Deep Learning

IBN

INTERNATIONAL BUSINESS AND ENTREPRENEURSHIP: IBN

BACHELOR OF BUSINESS ADMINISTRATION
(INTERNATIONAL BUSINESS AND ENTREPRENEURSHIP)

To be successful, global strategic leaders must build effective relationships with external constituencies.

International Business and Entrepreneurship (IBN) curriculum is designed to develop effective business leaders who accomplish through strategic alliances and conduct new innovative business activities across national borders.

SUBJECT TO LEARN

+ Japanese Language
+ Digital Technology and Design
+ Global Business Environment
+ Entrepreneurship
+ Startup
+ Shipping Management
+ Global Logistics Management
+ International Business Law and Taxation
+ Global Marketing
+ Global Finance
+ Strategic Management
+ Global Human Resource Management

Global Mindset and Strategic Thinking

Creativity and Design Thinking

Leadership and Interpersonal Skills

IBN
Beyond Knowledge

Digital Skill

Japanese Language

Entrepreneurial Spirit

This program offers study abroad opportunity for dual degree program of **BBA 3+1 Program** with Southern New Hampshire University (SNHU) in the USA, exchange programs in Japan, and other programs that provide students a wider understanding of both eastern and western cultural facets.

Southern New Hampshire University

GRADUATE IN 3.5 YEARS

The "Beta Project," which is based on the monozukuri philosophy, is a project assigned to the students to enable them to learn through practice. Students will use their talents on Beta Project to test their business concepts over the course of four years. In addition to gaining new skills, they may also develop new revenue streams.

CAREER

+ Business Developer and Consultant
+ Logistics and Supply Chain Manager
+ Digital Marketing and E-Commerce Manager
+ Business Entrepreneur
+ Global Sales Executive
+ Financial Investor and Trader
+ Marketing Manager
+ Media Planner
+ Influencer and Content Creator
+ Recruitment Consultant

JIB

JAPANESE FOR INTERNATIONAL BUSINESS: JIB
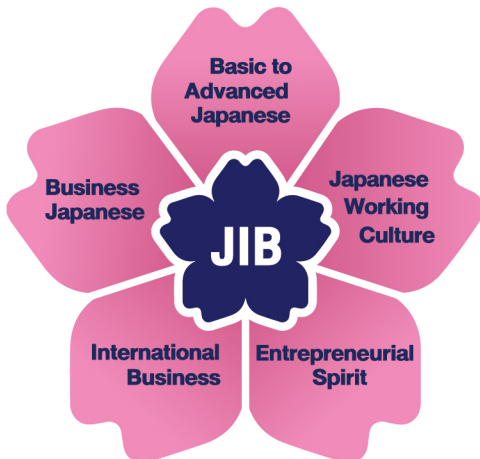
BACHELOR OF ARTS (JAPANESE FOR INTERNATIONAL BUSINESS)

CAREER

Jobs related to Japanese language or international business in both Japanese and multinational organizations

+ International Trader
+ Entrepreneur
+ Secretary of Japanese and Multinational Organizations
+ Interpreter of Japanese, English, and Thai
+ Translator of Japanese, English, and Thai
+ Freelance

SUBJECT TO LEARN

+ Japanese for International Business
+ Japanese Business Conversation
+ Japanese Business Writing
+ Japanese Interpretation for Business
+ Japanese Management and Working Culture
+ Windows to Japan
+ Global Business Environment
+ Global Marketing
+ Strategic Management
+ Business Cases in Japan
+ Cross-Culture Management
+ Cooperative Education

Basic to Advanced Japanese

Business Japanese

JIB

Japanese Working Culture

International Business

Entrepreneurial Spirit

JIB is an outstanding Japanese language curriculum. Not only the students will study Japanese intensively from basic to advanced levels, but they also explore specialized managerial Japanese as well as practical courses in business administration.

The proportion of courses between Japanese and business administration is approximately 70:30.

In this program, students will engage in activities with university students in Japan, developing language skills with the native speakers throughout the 4 years of study. They can also participate in student exchange programs in Japan and choose between an internship or co-operative education in Japan for 6 months to 1 year.

Students, after graduation, will be equipped with good command of both Japanese and English as well as professional expertise in business administration to work in Japanese and international organizations.

International Activities with Japanese Universities:
Osaka University, Meiji University, Okayama University of Science, Wakayama University, Institute of Technologists, Doshisha University, Muroran Institute of Technology, Aomori Chuo Gakuin University, Hosei University, Kake Educational Institution, etc.

TUITION FEE

INTERNATIONAL PROGRAM	Semester I	Semester II	Total Tuition Fee (Estimated)
DIGITAL ENGINEERING: DGE	74,000	57,400	456,400
BUSINESS ENGINEERING AND INNOVATION: BEI	74,600	57,400	451,400
DATA SCIENCE AND ARTIFICIAL INTELLIGENCE: DSA	72,400	62,400	454,800
INTERNATIONAL BUSINESS AND ENTREPRENEURSHIP: IBN	67,400	57,400	439,400
JAPANESE FOR INTERNATIONAL BUSINESS: JIB	59,000	57,400	434,800

Remark: This calculation is only an estimate. TNI reserves the right to change these terms and conditions at any time without prior notice.

APPLICATION DOCUMENTS

1. Application form with one passport size photo
2. A copy of Thai identification card or passport (for international students)
3. Educational certificates or diploma:
   - A copy of high school transcript (at least 4 semesters)
   - A copy of GED or IGCSE certificate
4. Standardized English Proficiency Test: TOEFL/ IELTS or Math requirement: SAT I/ SAT II within 2 years validity (Optional)
5. Application fee: 1,000 Baht

APPLICATION REQUIREMENTS

Completed or studying in senior high school under the following conditions:

+ Completed or studying M.6 from accredited Thai schools or equivalent
+ Completed or studying Grade 12 as per US education system
+ Completed or studying Year 13 as per UK education system
+ GED or IGCSE Certificate, equivalent to a high school transcript, must be submitted along with a certified transcript issued by the Ministry of Education and a student enrollment verification letter issued by the applicant's school