



FACULTY OF ENGINEERING

CHIANG MAI UNIVERSITY

**Bachelor of Engineering in
Industrial Engineering and Logistics Management**
(International Program)

ABOUT THE PROGRAM:

The Industrial Engineering and Logistics Management program integrates both industrial engineering and logistics disciplines, broadening the students' perspective of various supply chain activities ranging from materials, manufacturing, industrial management and production, and inventory and transportation. The students will gain a complete understanding of the industrial and logistics systems and be able to function effectively in various organization responsibilities.

INTERNATIONAL PARTNERSHIPS:



Muroran Institute of Technology
Mie University



Institute Pertanian Bogor University



National Taipei University of Technology



University of Michigan
University of South Carolina



Chung Aug University
Hanbat National University



Montpellier University
Sigma Clermont

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BACHELOR OF ENGINEERING IN INDUSTRIAL ENGINEERING AND LOGISTICS MANAGEMENT

(International Program)

FACULTY OF ENGINEERING
CHIANG MAI UNIVERSITY



STUDY PLAN

Year 1

First Semester	Total 20 credits	Second Semester	Total 21 credits
001101 Fundamental English 1	3	001102 Fundamental English 2	3
206161 Calculus for Engineering 1	3	203162 General Chemistry for Engineering Students	3
207105 Physics for Engineering and Agro-Industry Students 1	3	203167 General Chemistry Laboratory for Engineering Students	1
207115 Physics Laboratory for Engineering and Agro-Industry Students 1	1	206162 Calculus for Engineering 2	3
259103 Engineering Materials	3	206216 Introduction to Mathematical Logistics	3
259104 Engineering Drawing	3	207106 Physics for Engineering and Agro-Industry Students 2	3
259191 Principle of Being Professional	1	207116 Physics Laboratory for Engineering and Agro-Industry Students 2	1
xxxxxx GE Elective	3	259106 Workshop Technology	1
		259107 Engineering Mechanics 1	3

Year 2

First Semester	Total 19 credits	Second Semester	Total 16 credits
001201 Critical Reading and Effective Writing	3	001225 English in Science and Technology Context 3	3
206261 Calculus for Engineering 3	3	206255 Mathematics for Software Technology	3
252282 Fundamentals of Electrical Engineering	3	255215 Modern Manufacturing Processes	3
252283 Basic Electrical Engineering Laboratory 1	1	255251 Motion and Time Study	3
255201 Quantitative Analysis in Industrial Engineering	3	255290 Industrial Engineering Laboratory 1	1
255200 Industrial Organization and Management	3	259201 Computer Programming for Engineers	3
xxxxxx Innovative Co-creator	3		

Year 3

First Semester	Total 19 credits	Second Semester	Total 19 credits
255300 Introduction to Fluid Mechanics and Thermodynamics for Industrial Engineers	3	140104 Citizenship	3
255320 Engineering Operation Research	3	255322 Industrial Data Analysis	3
255321 Industrial Engineering Quality Control	3	255332 Industrial Cost Analysis and Budgeting	3
255330 Engineering Economy	3	255335 Management of Safety, Pollution and Maintenance in Industry	3
255390 Industrial Engineering Laboratory 2	1	255340 Production Planning and Control	3
261111 Internet and Online Community	3	259193 Morality and Intelligence for Being a Professional 1	3
xxxxxx Free Elective	3	xxxxxx Major Elective	3

Summer Session

First Semester	Total 3 credits
255400 Industrial Engineering Training	3

Year 4

First Semester	Total 15 credits	Second Semester	Total 13 credits
255424 Simulation for Production and Logistics System 3	3	255429 Inventory Transportation and Distribution Management	3
255434 Logistic Engineering and Management	3	255448 Industrial Plant Layout and Design	3
255491 Industrial Engineering Project	3	259192 Skills for Professionalism and Entrepreneurship 3	3
xxxxxx GE Elective	3	xxxxxx Major Elective	3
xxxxxx Major Elective	3	xxxxxx Free Elective	3

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The Industrial Engineering and Logistics Management program highlights two areas of the core courses that prepare the students for Industry 4.0: data analytics and industrial automation.

- Data analytics: This area integrates data mining and machine learning into the curriculum, equipping the students with data-science skills and experiences with modern analytics tools.

- Industrial automation: This area features core courses in industrial automation where the students will gain hands-on experiences in industrial-grade equipment and be brought up to speed with the technology for productive and efficient manufacturing.

The students will also gain career experiences from the internship during the summer of the 3rd year.

CAREER OPPORTUNITIES

(I) Industrial and logistics engineering positions in manufacturing and service industries (private sectors)

- Plant manager
- Logistics manager
- Quality engineer
- Safety engineer
- Design engineer
- System engineer
- Project engineer

(II) Industrial and logistics engineering positions in government and state enterprises such as

- Department of Industrial Works (DIW)
- Industrial Estate Authority of Thailand (IEAT)
- Industrial Estate Office of the Board of Investment (BOI)
- Higher-education institution

(III) Entrepreneurs and business owners

TUITION FEES

Thai students:
50,000 baht per semester
Foreign students:
70,000 baht per semester

CONTACT US

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INTERNATIONAL PARTNERSHIPS



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