



FACULTY OF ENGINEERING

CHIANG MAI UNIVERSITY

Bachelor of Engineering Program
in Civil and Infrastructure Engineering
(International Program)

ABOUT THE PROGRAM:

The civil and infrastructure engineering program offers education in six major fields of study, including:

- Structural Engineering
- Transportation Engineering
- Surveying Engineering
- Geotechnical Engineering
- Construction Engineering and Management
- Water Resources Engineering

The program aims to produce graduates who can promote the development of civil engineering skills to their fullest potential and according to their interests while considering the needs of users and society.

INTERNATIONAL PARTNERSHIPS:



Muroran Institute of Technology
Mie University



Institute Pertanian Bogor University



Montpellier University
Sigma Clermont



University of Michigan
University of South Carolina



Chung Ang University
Hanbat National University



National Taipei University of Technology



BACHELOR OF ENGINEERING IN CIVIL AND INFRASTRUCTURE ENGINEERING

(International Program)

FACULTY OF ENGINEERING
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STUDY PLAN

Year 1

First Semester	Total 21 credits	Second Semester	Total 22 credits
001101 Fundamental English 1	3	001102 Fundamental English 2	3
203162 General Chemistry for Engineering Students	3	140104 Citizenship	3
203167 General Chemistry Laboratory for Engineering Students	1	206162 Calculus for Engineering 2	3
206161 Calculus for Engineering 1	3	207106 Physics for Engineering and Agro-Industry Students 2	3
207105 Physics for Engineering and Agro-Industry Students 1	3	207116 Physics Laboratory for Engineering and Agro-Industry Students 2	1
207115 Physics Laboratory for Engineering and Agro-Industry Students 1	1	251102 Civil Engineering Fundamentals	2
259104 Engineering Drawing	3	259107 Engineering Mechanics 1	3
259103 Engineering Materials	3	259106 Workshop Technology	3
259191 Principle of Being Professional	1	xxxxxx Innovative Co-creator	3

Year 2

First Semester	Total 21 credits	Second Semester	Total 20 credits
001201 Critical Reading and Effective Writing	3	001225 English in Science and Technology Context	3
204100 Information Technology and Modern Life	3	206362 Applied Differential Equation for Engineers	3
205275 Geology for Engineers	3	251212 Theory and Analysis of Structures	3
206261 Calculus for Engineering 3	3	251216 Structural Materials and Testing	4
251211 Strength of Materials 1	3	251262 Hydraulic Models and Testing	1
251261 Hydraulics	3	259201 Computer Programming for Engineers	3
206263 Elementary Statistics	3	xxxxxx GE Elective	3

Year 3

First Semester	Total 20 credits	Second Semester	Total 21 credits
251292 Introduction to Differential Equations and Numerical Methods for Civil Engineers	3	251313 Reinforced Concrete Design	4
251311 Steel and Timber Structure Design	4	251333 Highway Engineering	3
251336 Transportation Systems Engineering	3	251334 Highway Engineering Laboratory	1
251363 Engineering Hydrology	3	251343 Survey for Civil Engineering	4
251371 Soil Mechanics	3	251364 Water Resource Engineering	3
251372 Engineering Soil Tests	3	251374 Geotechnical Engineering and Building Foundations	3
xxxxxx GE Electives	3	xxxxxx Free Elective	3
Regular Plan - Summer Session Total 3 credits			
251400 Training in Civil Engineering	3		

Year 4

Regular Plan			
First Semester	Total 13 credits	Second Semester	Total 8 credits
251413 Reinforced Concrete Building Design	4	259192 Skills for Professionalism and Entrepreneurship 1	1
251451 Construction Techniques and Management	3	259194 Characteristics and Values for Being a Professional Entrepreneur	3
xxxxxx Major Elective	3	xxxxxx A course in Civil Engineering Design Development Category	3
xxxxxx Free Elective	3	xxxxxx Major Elective Courses	3
Cooperative Education Plan			
First Semester	Total 6 credits	Second Semester	Total 18 credits
251401 Cooperative Education	6	251413 Reinforced Concrete Building Design	4
		251451 Construction Techniques and Management 3	3
		259192 Skills for Professionalism and Entrepreneurship 1	1
		259194 Characteristics and Values for Being a Professional Entrepreneur	3
		xxxxxx A course in Civil Engineering Design Development Category	3
		xxxxxx Major Elective Courses	3

ABOUT THE PROGRAM

The civil and infrastructure engineering course (international program) is designed to help students develop theoretical knowledge and practical skills in civil engineering career. In addition, attentive learners can be trained to understand the fundamental elements of civil engineering and ready to apply them for future technological innovations in civil engineering areas. The program concentrates on specialized civil engineering fields such as railways engineering management, building information modeling, smart urban planning, disaster management, construction and maintenance using local materials.

CAREER OPPORTUNITIES

- Structural Engineer
- Geotechnical Engineer
- Transportation Engineer
- Highway Engineer
- Site Engineer
- Hydraulic and Water Resources Engineer
- Surveyor
- Project Manager
- Construction Consultant
- Public Officer
- Contractor

INTERNATIONAL PARTNERSHIPS



TUITION FEES

Thai nationality:
50,000 baht per semester
Other nationalities:
70,000 baht per semester

CONTACT US

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