



# FACULTY OF ENGINEERING

## CHIANG MAI UNIVERSITY

### Bachelor of Engineering Program in Civil Engineering (International Program)

#### ABOUT THE PROGRAM:

The civil 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.

#### VISION:

Provide students' knowledge and practical skills by integrating systematic thinking and new technologies and producing ethically professional and leadership civil engineers who can address the global current and future challenges.

#### KEYWORD:

Civil Engineering International program (CEIP)

- C—Challenge: Global dramatically changes. Our civil engineers can handle pressure and address global future challenges.
- E—Education: We provide knowledge and practical skills in civil engineering for our students.
- I—Integration: Our students can develop systematic thinking and apply innovative technologies for civil engineering works.
- P—Professional: We produce ethically professional and leadership civil engineers.

#### INTERNATIONAL PARTNERSHIPS:



Muroran Institute of Technology  
Mie University



Institute Pertanian Bogor University



Montpellier University  
Sigma Clermont



University of Michigan  
University of South Carolina



Chung Aug University  
Hankuk National University



National Taipei University of Technology



# BACHELOR OF ENGINEERING IN CIVIL 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	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	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 Resources Engineering	3
251372 Engineering Soil Tests	3	251374 Geotechnical Engineering and Building Foundations	3
GE Electives	3	Free Elective	3

### Regular Plan - Summer Session Total 3 credits

251400 Training in Civil Engineering	3
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### 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
Major Elective	3	A course in Civil Engineering	3
Free Elective	3	Design Development Category	3
		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
		259192 Skills for Professionalism and Entrepreneurship 1	1
		259194 Characteristics and Values for Being a Professional Entrepreneur	3
		A course in Civil Engineering	3
		Design Development Category	3
		Major Elective Courses	3

## ABOUT THE PROGRAM

The civil 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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📘 Facebook: [www.facebook.com/eng.inter.cmu](https://www.facebook.com/eng.inter.cmu)

## Admission Contact

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