

Bachelor of Science in

Environmental Science

International Program

Careers for a changing planet

Climate and sustainability

Carbon and GHG inventory specialist
ESG and sustainability analyst
Waste and circular economy officer

Impact assessment

Environmental consultant
EIA, EHIA and risk assessor
Health, safety and environment officer

Air, water and soil quality

Air quality and PM2.5 specialist
Water quality analyst
Environmental laboratory scientist

Ecosystems and restoration

Restoration and remediation specialist
Nature conservation officer
Water resource manager

Or continue to M.Sc. and Ph.D. in Environmental Science

Work alongside our scientists in the field



Air quality and PM2.5



Climate change



Water quality and resources



Forest restoration



Waste and life cycle assessment



Exposure and health risk

OUR TEAMS ALSO WORK ON

LiDAR and remote sensing

Emerging pollutants

Freshwater ecology

Carbon storage in wetlands

Plastic material flow

Water footprint

Atmospheric chemistry

Tuition fees

THAI STUDENTS

35,000

THB per semester

INTERNATIONAL STUDENTS

55,000

THB per semester

Scholarships

Full and partial scholarships available

Awarded based on academic performance

Global collaborations

- ✓ International field school
- ✓ Semester exchange abroad
- ✓ Overseas study visits
- ✓ Present at international conferences

ADMISSION

Apply now

Scan for the CMU admission round that fits you.

CMU TCAS



admission.reg.cmu.ac.th/tcas/app.php

CMU IPAS



admission.reg.cmu.ac.th/ipas/main/

CONTACT US

Environmental Science Research Center

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www.esrc.science.cmu.ac.th

What you will study

Bachelor of Science in Environmental Science (International Program)
Faculty of Science, Chiang Mai University

120 credits minimum

Regular plan shown. Co-operative Education plan: 121 credits.

24 General Education	28 Core Courses	47 Required Major Courses	15 Major Electives	6 Free
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General Education 24 cr

English for Effective and Creative Communication 1 & 2

English for Professional and Academic Contexts

Artificial Intelligence and Digital Essentials

Citizenship

Critical Thinking, Problem Solving and Science Communication

Introduction to Entrepreneurship and Business

One course in Digital Literacy, Global Citizen or AI

Required Major Courses 47 cr

Chemistry of a changing planet

- Environmental Analytical Chemistry
- Integrated Environmental Chemistry

Race against climate change

- Greenhouse Gases and Carbon Inventory
- Clean Technology and Life Cycle Assessment
- Sustainable Municipal Waste Management

Read the living world

- Environmental Ecology
- Concepts of Environmental Microbiology

Clean up air, water and soil

- Air Pollution
- Water Pollution and Wastewater Treatment
- Soil and Groundwater Pollution
- Environmental Remediation Technology

Map it, measure it, judge it

- Applications of GIS in Environmental Science
- Environmental, Social and Health Risk and Impact Assessment

Work like a professional

- Environmental Safety and Ethics
- Seminar in Environmental Science
- Final-year track courses (see below)

Core Courses 28 cr

Basic Biology 1 & 2, with Laboratories

Chemistry 1 & 2, with Laboratories

Elementary Mathematics

Environmental Statistics

Intelligent Data Analysis

Principles of Environmental Science

Major Electives 15 cr min

Bring nature back

- Restoration Ecology
- Sustainable Water Resource Management

Hunt down hidden hazards

- Contaminated Site Characterization
- Toxicology and Management of Hazardous and Industrial Wastes

Model the future

- Climate Change and Climate System Modeling
- Introduction to Environmental Modeling

Learn where it happens

- Field Trip in Environmental Science
- Selected Topics in Environmental Science

Free Electives 6 cr min

Any courses you choose from across Chiang Mai University.

Optional minor: add at least 15 credits in any minor offered at CMU, with your advisor's approval.

YEAR 4, PLAN I

Apprenticeship 120 cr

A workplace apprenticeship plus a Special Problems research project.

SEMESTER 1	SEMESTER 2
Apprenticeship	Special Problems research
Impact assessment and seminar	Major electives
Major electives	

YEAR 4, PLAN II

Co-operative Education 121 cr

A full final semester working with a partner organization.

SEMESTER 1	SEMESTER 2
Impact assessment and seminar	Cooperative Education placement
Major electives	

**1**
Find your footing
Build the science basics you will need ahead.

**2**
Into the field
Explore streams, forests and labs.

**3**
Solve real problems
Tackle real challenges, then gain work experience.

**4**
Make your mark
Run a supervised research project or a co-op placement.

Need more info about admission?

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