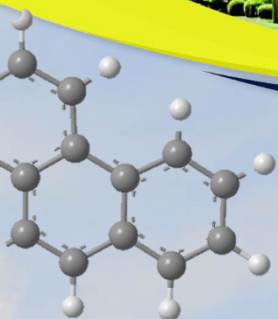


**B.S. (Environmental Science) (Int'l Program)**

**Faculty of Science, Chiang Mai University**



*Studying@Sci  
Expanding Your Mind*



[HTTP://WWW.SCIENCE.CMU.AC.TH](http://www.science.cmu.ac.th)





# Bachelor of Science (Environmental Science)

Faculty of Science,  
Chiang Mai University,  
Chiang Mai, Thailand

**ES CMU**  
International Program



## STUDY PLAN

### First year

#### First Semester:

LS 103	Info. Literacy & Info. Presentation	3
SC 110	Integrated Mathematical Sciences	3
BIOL 101	Biology 1	3
BIOL 103	Biology Laboratory 1	1
CHEM 111	Chemistry 1	3
CHEM 115	Chemistry Laboratory 1	1
MATH 111	Calculus 1	3
<i>GE: Language &amp; Communication</i>		3
<b>Total =</b>		<b>20</b>

#### Second Semester:

GEO 100	Introduction to Geography	3
BIOL 102	Biology 2	3
BIOL 104	Biology Laboratory 2	1
CHEM 113	Chemistry 2	3
CHEM 117	Chemistry Laboratory 2	1
PHYS 117	Physics Laboratory 1	1
PHYS 187	Physics 1	3
<i>GE: Language &amp; Communication</i>		3
<b>Total =</b>		<b>18</b>

### Second year

#### First Semester:

CHEM 206	Organic Chemistry for Non-Major Stud.	3
CHEM 209	Organic Chemistry Laboratory	1
GEOL 100	The Earth and Its Geologic Processes	3
MATH 265	Mathematical Methods for ES	3
ES 201	Principles of Environmental Science	3
SOIL 210	Intro to Soil Sci & Natural Res Mgmt	2
SOIL 214	Soil Science Laboratory	1
<i>GE: Language &amp; Communication</i>		3
<b>Total =</b>		<b>19</b>

#### Second Semester:

SC 192	Doi Suthep Study	1
BCT 315	Introductory Biochemistry	3
BCT 319	Introductory Biochemistry Laboratory	1
STAT 265	Environmental Statistics	3
ES 202	Environmental Analytical Chemistry	4
ES 211	Environmental Safety & Ethics	1
ES 222	Environmental Ecology	3
<i>GE: Language &amp; Communication</i>		3
<b>Total =</b>		<b>19</b>

### Third year

#### First Semester:

ES 311	Environmental Std, Law & Regulations	3
ES 322	Concepts of Environmental Microbiology	3
ES 331	Water Pollution & Wastewater Treatment	3
ES 341	Soil and Groundwater Pollution	3
MGMT 103	Intro to Entrepreneurship & Business	3
<i>Free Elective(s)</i>		3
<b>Total =</b>		<b>18</b>

#### Second Semester:

GEO 330	Introduction to GIS	3
SC 191	Learning Through Activities	2
ES 312	Clean Tech and Life Cycle Assessment	3
ES 351	Air pollution	3
ES 371	Environmental Remediation Technology	3
ENV 441	Solid Waste Management	3
<i>Free Elective(s)</i>		3
<b>Total =</b>		<b>20</b>

### Fourth year

#### Plan I: Job Training

##### First Semester:

ES 490	Apprenticeship	2
ES 495	Seminar	1
ENV 451	EIA	3
<i>Major Electives</i>		6
<b>Total =</b>		<b>12</b>

##### Second Semester:

ES 499	Special Problems	3
<i>Major Electives</i>		6
<b>Total =</b>		<b>9</b>

#### Plan II: Cooperative Education

##### First Semester:

ES 495	Seminar	1
ES 499	Special Problems	3
ENV 451	EIA	3
<i>Major Electives</i>		12
<b>Total =</b>		<b>19</b>

##### Second Semester:

ES 498	Cooperative Education	6
<b>Total =</b>		<b>6</b>

### ABOUT THE PROGRAM

The Bachelor of Science program in Environmental Science is a debut international curriculum developed and organized by a consortium of Biology, Chemistry, Physics, Geological Sciences, Statistics, Mathematics Departments, and the ESRC (Environmental Science Research Center) of the Faculty of Science, Chiang Mai University, THAILAND. We aim at producing graduates who are exceptional in academic and skills for environmental science-related professionals as well as those who have effective communication and teamwork skills. Graduates are tailor-made to readily jump-start in functioning with public, private and multinational organizations.

### CAREER OPPORTUNITIES

Environmental consultant  
Environmental education officer  
Environmental toxicologist/ecologist  
Environmental manager  
Nature conservation officer  
Restoration/Remediation officer  
Sustainability consultant  
Waste management officer  
Water, Air & Soil quality scientist  
EIA, EHIA, ERA, SEA Assessor

### TUITION & FEES

35,000 THB/Semester  
(280,000 THB Total)

### MORE INFORMATION

**Environmental Science Research Center (ESRC)**  
Faculty of Science  
Chiang Mai University  
www.es.science.cmu.ac.th  
Email: escmu2@gmail.com  
Tel. +66 5394 3479  
Fax. +66 5394 3470

