



# ENVIRONMENTAL ENGINEERING

## International Program (Bachelor of Engineering)



### General Description

The 4-year Bachelor of Environmental Engineering course provides diversified perception of environmental science and engineering. Environmental science includes fundamental of related biology and chemistry, characteristics of waste in solid, water and air phase, management and standards of pollution control. Environmental engineering consists of design and operation of waste segregation, reduction, reuse, treatment and disposal system.

The key objectives of program are to prepare students to have the following attributes:

1. Essential knowledge and insight in environmental aspects
2. The comprehension of environmental problems and management.
3. The proficiency of design and operate pollution control systems.
4. The capability to apply appropriate technology and transfer to the community.
5. The understanding of research and development of modern technique to the specific issue.

### Career Opportunities

After finishing studies, graduates will be certified as environmental engineers and are capable of working as a designer, consultant, operator, turn-key, or even sales engineer. Environmental engineers are highly sought after by employers. They are able to find various occupation in industry, public service, state enterprise or private sector. They can also take a higher degree to fulfil the proficiency in research and development positions.





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### Curriculum Structure

Requirements	Credits
<b>1. General Education Courses</b>	<b>30</b>
<b>2. Specialized Courses:</b>	<b>110</b>
2.1 Core Courses	101
2.2 Major Elective Courses	6
2.3 Undergraduate Thesis	3
2.4 Non-Credit Courses	6
<b>3. Free Elective Courses</b>	<b>6</b>
<b>Total</b>	<b>146</b>

### General Education Courses

Students has to take General Education Courses of 30 credits.

### Core Courses

: choose 101 credits from the following courses

Environmental Unit Operation and Processes, Air Pollution Control, Solid Waste Engineering, Building Sanitation, Noise and Vibration Control, Water Supply and Wastewater Treatment Engineering, Hazardous Waste Management, Environmental Impact Management, Environmental Management System, Environmental System Modeling, etc.

### Major elective courses

: choose 6 credits from the following courses

Design of Air Pollution Control System, Industrial Water Pollution Control, Water Conditioning for Industry, Appropriate Environmental Technology, Environmental Health Engineering, Industrial Safety Management, Alternative Energy, Selected Topics in Environmental Engineering, etc.

### Non-Credit Courses

Students have to take 6 credits from Training in Environmental Engineering

### Free Elective Courses

Students can take Electives of 6 credits from any faculty in Naresuan University.

### Degree Information

Duration: 4 Years (8 Semesters) Tuition Fee: 16,000 Bath/Semester