Students who graduate from this program are qualified to apply for the licenses for Scientific and Technological Professional Practice in Environmental Impacts Assessment, and in Pollution Control as:

- 1) Water Pollution Supervisor
- 2) Air Pollution Supervisor
- 3) Noise and Vibration Pollution Supervisor
- 4) Hazardous Waste Supervisor
- 5) Solid Waste Supervisor



Vision

As one of the top 200 world's best program in Environmental Science (QS World Rankings) from 2011-2021, the Department of Environmental Science at Chulalongkorn University provides high quality learning environment for its students. The program offers various courses that expose students to scientific principles, laboratory and field practice, and real-world situations related to environmental issues. Armed with knowledge and working skills in environmental science, students who graduate from this program are qualified for positions in most industrial and governmental sectors and most graduate programs in renowned institutes. Overall, we aim at producing graduates that are not only employable and academically successful but they should also become motivated to lead the society to sustainability.



Further Information

Department of Environmental Science Faculty of Science, Chulalongkorn University

- 0-2218-5181-2
- 0-2218-5180
- http://www.envisci.sc.chula.ac.th @







B.Sc. in Environmental Science



WORLD The best & only program in Thailand being ranked in the world's top 200 in Environmental Science for 10 years in a row (2011–2021)

Curriculum for Bachelor of Science (B.S.) In Environmental Science

1 st Year					
1st Semester		19 credits			
2301113	Calculus 1	4			
2302111	General Chemistry 1	3			
2302115	General Chemistry Lab 1				
2303101	General Biology 1	3			
2303102	General Biology Lab 1				
2304101	General Physics 1	3			
2304183	General Physics Lab 1				
5500111	Experiential English 1	3			
2 nd Semester		21 credits			
2301114	Calculus 2	3			
2301170	Computer and Programming	3			
2302112	General Chemistry 2	3			
2302116	General Chemistry Lab 2				
2305101	General Biology 2	3			
2305102	General Biology Lab 2				
2304102	General Physics 2	3			
2304184	General Physics Lab 2				
5500112	Experiential English 2	3			

2nd Year

20 credits

1st Semester

2302236	Physical Chemistry	2
2302271	Organic Chemistry 1	3
2302273	Organic Chemistry Lab 1	
2303221	Ecology	3
2303222	Ecology Lab	
2308351	Environmental Science 1	3
2308359	Environmental Science Lab	
5500204	English for Academic Purpose 1	3
	(For Science)	
XXXXXX	General Education	3
	(Science-Mathematics)	
and C		22 !!!
2 nd Semes	ter	22 credits
2301286	Probability and Statistics	3
2302272	Organic Chemistry 2	3
2308317	Aquatic Environmental Science	3
2308320	Introduction to Hazardous Waste	3
2308352	Environmental Toxicology	3
2308357	Environmental Noise	3

2308456 Aquatic Environmental Science Lab

xxxxxxx General Education (Social Science)

3 rd Year		
1st Semes	ter 21 credits	
2302241	Analytical Chemistry 1	3
2302242	Analytical Chemistry Lab 1	2
2308366	Fundamental of Solid Waste Management	3
2308451	Environmental Soil Science	3
2308453	Environmental Soil Science Lab	1
2308498	Science Research Methods	2
2310310	General Biochemistry	3
2310360	General Biochemistry Lab	1
5500496	Communication in Science and Technology	3
2 nd Semes	ter 2	20 credits
2308309	Fundamental Air Pollution	3
2308310	Air and Noise Pollution Lab	1
2308399	Project Proposal	1
2308401	Fundamental Natural Resources and Environmental Management	3
2308418	Environmental Remediation Technology	3
2308421	Environmental Management Syste	em 3
xxxxxx	General Education (Humanities)	3
xxxxxx	General Education (Interdisciplinary Courses)	3

4th Year

1 st Semes	ter	16 credits
2308390	Training	0
2308419	Principles of Biodegradation and Bioremediation	3
2308468	Scientific Approach in	3
	Environmental Impact Assessmen	t
2308490	Seminar	
2308xxx	Major Elective	
xxxxxx	General Education (Special)	
XXXXXXX	Free Elective	
2 nd Semester		6 credits
2308408	Environmental Science Field Studi	ies 1
2308499	Senior Project	2
XXXXXXX	Free Elective	

Environmental Field Study

This course allows students to apply their in-class knowledge to the real, on-site situations. Students pose questions and design their own experiments to tackle the questions related to environmental issues, such as assessments of soil, water contamination and health risks in residential and industrial areas.

Career Opportunities

- ©Environmental Pollution Supervisor
- © Environmental Impacts Analyst
- © Environmental Officer
- © Environmental Scientist
- © Environmental Researcher
- © Environmental Manager
- ©Environmental Lawyer

with leading private corporations, universities, non-governmental, organizations, and governmental agencies

Past internship opportunities for students in the program

- ⊚SCG Excellent Internship Program
- ⊚Siam Kubota Challenge
- ⊙PPG Coatings (Thailand) Co., Ltd.
- Department of Health, Ministry of Health, Thailand
- Ochevron Thailand Exploration and Production, Ltd.
- ©Environmental sector, Electricity Generating Authority of Thailand
- ⊙Thai Oil Public Co., Ltd.
- ⊚Siam City Concrete Co., Ltd.
- ©Bangchak Petroleum Public Co., Ltd.
- ⊙PTT Plc. In Chonburi

- ∞PTT Global Chemica IPublic Co., Ltd.
- ⊙IRPC Public Co., Ltd.



- ⊙Thai Ceramic Co., Ltd. (SCG)
- Ounited Analyst and Engineering Consultant Co., Ltd.
- ⊙CPF PCL.
- Pollution Control Department
- Olndustrial Estate Authority of Thailand
- Department of Environment,
 Bangkok Metropolitan Administration
- Water Technology and Industrial Pollution Management Bureau
- Metropolitan Waterworks Authority
- Paid internships abroad