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Doctor of Philosophy Program in Environmental Technology (International Program)

Faculty of Public Health

Admission Requirements

Candidates in the doctoral program in Environmental Technology must have the following qualifications:

1. Hold a Master's degree in science in any of the following fields : Environmental Technology, Chemistry, Microbiology, Biology, Botany, Public Health, Environment, Health Sciences, Occupational Health, Physics, Industrial Chemistry, Biotechnology, and Rural Technology; or a Master's degree of Engineering any of the following types: Environmental, Water Resource, Civil, Chemical, Textile, Industrial, or Mechanical Engineering with a grade point average of at least 3.5; or
2. Hold a Bachelor degree in science in any of the following fields : Environmental Technology, Chemistry, Microbiology, Biology, Botany, Public Health, Environment, Health Sciences, Occupational Health, Physics, Mathematics, Industrial Chemistry, Biotechnology, and Rural Technology; or a Bachelor degree of Engineering of any of the following types: Environmental, Water Resource, Civil, Chemical, Textile, Industrial, or Mechanical Engineering with a grade point average of at least 3.5 .
3. Have a TOEFL ITP score of at least 500, TOEFL Internet-based score of 61 or IELTS score of 5 .

Exceptions from the above conditions may be granted by the Program Committee and the Dean of Faculty of Graduate Studies;

Curriculum Structure

	Credit
For students with Master's Degree	
Required courses	9
Elective courses no less than	3
Dissertation	36
For students with Bachelor Degree	
Required courses	18
Elective courses no less than	6
Dissertation	48
Credit	
Required courses	
For students with Master's Degree	
PHSE 568 Research Design in Environmental Technology	3(3-0-6)
PHSE 569 Doctoral Seminar in Environmental Technology	1(1-0-2)

PHSE 625 Environmental Technology and Development	3(3-0-6)
PHSE 626 Advanced Environmental and Health Risk Assessment	2(2-0-4)
For students with Bachelor Degree	
PHSE 568 Research Design in Environmental Technology	3(3-0-6)
PHSE 569 Doctoral Seminar in Environmental Technology	1(1-0-2)
PHSE 625 Environmental Technology and Development	3(3-0-6)
PHSE 626 Advanced Environmental and Health Risk Assessment	2(2-0-4)
PHSE 570 Environmental Modeling	3(3-0-6)
PHSE 572 Advanced Technology in Water and Wastewater Treatment	3(3-0-6)
PHSE 574 Waste Management and Utilization	3(3-0-6)
Elective courses	
For students with Master's Degree	
For students with Bachelor Degree	
PHSE 571 Resources Management and Tools	3(3-0-6)
PHSE 575 Geographical Information System for Environmental Applications	3(3-0-6)
PHSE 576 Atmospheric Pollution and Climate Chang	3(3-0-6)
PHSE 577 Organic Waste Recovery and Recycling	3(3-0-6)
PHSE 578 Energy and Environment	3(3-0-6)
Dissertation	
For students with Master's Degree	
PHSE 699 Dissertation	36(0-144-0)
For students with Bachelor Degree	
PHSE 799 Dissertation	48(0-192-0)
* These may change in cases where there are suggestions for the improvement of the curriculum	

Proposal/Concept Paper

- Interested topics in Environmental Technology or
- Topic for Dissertation

Additional Advantages of the Program

Our program aims to produce graduates who possess a strong and relevant foundation and skills needed for practicing their profession with competence and confidence in the changing world.

Additional Information for applicants

For more information click <http://www.ph.mahidol.ac.th>

Application Process

Application is only available via online application at www.grad.mahidol.ac.th

Required Documents

Prepare the following required documents to submit via online admission system or post:

1. Completed an Online Application at www.grad.mahidol.ac.th which comprised with
 - Form A** : Application Form
 - Form B** : Background and Proposed Field of Study
 - Form C** : Recommendation Forms (directly submitted by at least 2 referees)
2. Two copies of Degree Certificate (with officially certified English translation)
3. Two copies of Academic Transcript (with officially certified English translation)
4. Two copies of Recent Photos (Passport size)
5. Two copies of Passport
6. Two copies of English certificate (TOEFL/ IELTS/ MU-Grad Test)

(For Doctoral Program)

- TOEFL ITP score of at least 500, TOEFL Internet-based score of 61, or IELTS score of 5

(For Master's Program)

- TOEFL ITP score of at least 480, TOEFL Internet-based score of 54, IELTS score of 5 or MU GRAD TEST score of 60.

Notes

- Only accept TOEFL ITP score from examination center arranged by Faculty of Graduate Studies, Mahidol University.
 - TOEFL ITP taken from other domestic and overseas institutes are invalid.
 - The test date must be within previous 2 years before application date
 - Applicant who obtained a valid English score must submit an **official score certificate** along with your application. Otherwise, your English score will not be considered.
 - Detail of English Competency Standard for Admission:
<http://www.grad.mahidol.ac.th/en/current-students/language-center.php>
7. Two copies of Curriculum Vitae
 8. Two copies of Statement of Purposes and Career Goals
 9. Two copies of Current bank statement / Scholarship letter (if any)
 10. Two copies of Concept paper / research proposal (recommended for all applicants)
 11. Two copies of additional documents may be requested by each program (such as letter of work experience / professional license/ related certificates and awards)

Submitting documents via online admission system.

- All documents must be in pdf format (maximum size 2 MB)
- Recent photograph must be in jpeg format only (maximum size 2 MB)

Job option after graduation

1. Government agencies involved.
2. Lecturer in related courses.
3. Academic advisors.

Further information may be obtained from the Director of Graduate Studies, Environmental Technology

1. Asst. Prof. Bunyarit Panyapinyopol (E-mail: bunyarit.pan@mahidol.ac.th)

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Program Coordinator

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Note 1. For more education information: www.grad.mahidol.ac.th

**For more Information please contact The Student Admission Section.
Tel. 0 2441 4125 ext. 208-210, 0 2441 9129, E-mail: gradinter@mahidol.ac.th**