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Master of Science Programme in Environmental Biology (International Programme)

หลักสูตร วิทยาศาสตร์มหาบัณฑิต สาขาวิชา ชีววิทยาสภาวะแวดล้อม(หลักสูตรนานาชาติ)(ภาคปกติ)

Faculty of Science Department of Biology

คณะวิทยาศาสตร์ ภาควิชา ชีววิทยา

Expected number of students to be accepted all year round : 20 Students

Admission Requirements

A candidate must:

1. have completed a bachelor's degree in biology or in related fields such as microbiology , bioscience, zoology, botany and environmental science
2. have a grade point average of at least 2.5 ;
3. fulfil the entry requirements of the Faculty of Graduate Studies.
4. In case your qualification does not match to the admission criteria, candidates must prior attach A "Requesting Form for Examination" approved by the program director. The form must be submitted before making the application. Kindly download here:
http://www.grad.mahidol.ac.th/grad/admission/form_th.php
5. have a TOEFL score of at least 480, TOEFL computer-based score of 157, TOEFL Internet-based score of 54, or IELTS score of 4.5 or pass the English Proficiency Examination arranged by the Faculty of Graduate Studies.

Those who do not have any of the test scores specified above will have to take the English Proficiency Examination of the Faculty of Graduate Studies on the specified examination day.

Exemption from the above conditions may be granted by the programme Committee under exceptional circumstances.

Written Examination (Applicants must attend the examination date accurately to your admission round.)

<u>First Round</u> January 17, 2015		<u>Second Round</u> May 16, 2015	
Subjects for examination	Time	Subjects for examination	Time
1. English	8.30 - 11.30 a.m.	1. English	8.30 - 11.30 a.m.
2. General Knowledge	11.30 - 12.30 p.m.	2. General Knowledge	11.30 - 12.30 p.m.
3. Biology	1.30 - 2.30 p.m.	3. Biology	1.30 - 2.30 p.m.
Examination Place Mahidol University , Salaya , Nakhonpathom more details : www.grad.mahidol.ac.th or Announcement at Faculty of Graduate Studies branches.			

Curriculum Structure

	Credit
Required Courses	13
Elective Courses no less than	11
Thesis	12
Required Courses	
SCBI 603 Research Seminar in Environmental Biology I	1(1-0-2)
SCBI 604 Research Seminar in Environmental Biology II	1(1-0-2)
SCBI 619 Environmental Science	3(3-0-6)
SCBI 621 Environmental Pollution	3(2-3-5)
SCID 500 Cell and Molecular Biology	3(3-0-6)
SCID 518 Generic Skills in Science Research	1(1-0-2)
SCID 507 Microscopic Techniques	1(0-2-1)
SCID 508 Biomolecular and Spectroscopy Techniques	1(0-2-1)
SCID 509 Separation Techniques	1(0-2-1)
SCID 511 Gene Technology	1(0-2-1)
* Choose one of these courses to fulfill the requirement	
Elective Courses	
SCBI 505 Population and Community Ecology	3(2-3-5)
SCBI 518 Environmental Aquatic Toxicology	3(2-3-5)
SCBI 524 Environmental Biology and Management	3(3-0-6)
SCBI 526 Biological Control of Pests	3(3-0-6)
SCBI 577 Host-Microbe Interactions	3(3-0-6)
SCBI 611 Research Techniques in Environmental Biology	2(0-6-3)
SCBI 612 Special Problems in Environmental Biology	2(0-6-3)
SCBI 613 Current Topics in Environmental Biology	2(2-0-4)
SCBI 584 Plant Responses to Environmental Stresses	3(3-0-6)
SCBI 624 Hazardous Waste Management	3(3-0-6)
SCBI 625 Bioremediation	3(2-3-5)
SCID 505 Systematic Ecology and Disease Emergence	3(3-0-6)
SCID 516 Biostatistics	3(3-0-6)

Thesis

SCBI 698 Thesis

12(0-48-0)

* These may change in cases where there are suggestions for the improvement of the curriculum

Additional advantages of the programme

1. Several types of Scholarships are available for eligible students.
2. The graduates can apply for job in both government and private sectors.

Details of Scholarships

1. Scholarship of the 60th Year Supreme Reign of His Majesty King Bhumibol Adulyadej.
2. Royal Golden Jubilee-Ph.D. Program (RGJ) (ทุนกาญจนภิเษก(คปก.))
3. Commission on Higher Education (CHE), Ministry of Education (ทุนพัฒนาอาจารย์(สกอ.))
4. Science Achievement scholarship of Thailand (ทุนเรียนดีวิทยาศาสตร์แห่งประเทศไทย๗
5. Institutional Strengthening Program (ทุนเสริมสร้างนักวิทยาศาสตร์รุ่นใหม่)
6. Teaching Assistantship (ทุนโครงการผู้ช่วยสอน)
7. Teaching Assistantship Development (ทุนพัฒนาผู้ช่วยสอน)

Additional information for applicants

Applicants should be prepared to describe their research interests on the interview day.

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 :

- Two (2) recent photographs (1x1 inch in size)
 - A copy of an applicant's degree certificate or a letter of graduation certification (for an applicant with a degree completion) 2 copies
 - A letter certifying that an applicant is currently in the final year prior to graduation (for an applicant seeking for a degree) 2 copies
 - A detailed transcript of a degree (for an applicant with a degree completion) 2 copies
 - A grade report with course names and grades received from the first to the current semester prior to graduation 2 copies
 - A copy of identification card 2 copies
 - A copy of house registration certification 2 copies
 - A copy of Certificate of English score: TOEFL/IELTS/MU-Test (if any). See detail here: http://www.grad.mahidol.ac.th/grad/academicinfo/engstandard2553_th.php 2 copies
- Those who early submit a valid English score prior to the examination will be exempt from English test on the examination date.
- A copy of proof of payment.

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. Lecturer
2. Academic
3. Researcher
4. Executive

**Further information may be obtained from the Director of Graduate Studies,
Environmental Biology :**

1. **Assoc. Prof. Dr. Prayad Pokethitiyook** (E-mail : prayad.pok@mahidol.ac.th)
Room B410/1, N Building, Floor 4,
Department of Biology, Faculty of Science.
Tel. : 0 2201 5479, Fax. : 0 2354 7161
2. **Lect. Metha Meetam** (E-mail : metha.mee@mahidol.ac.th)
Room B 404, B Building, Floor 4,
Department of Biology, Faculty of Science.
Tel. : 0 2201 5475 Fax. : 0 2354 7161

Program Coordinator

Mrs.Chomchay Sungmok (E-mail : chomchay.sun@mahidol.ac.th)
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Department of Biology , Faculty of Science.
Tel. : 0 2201 5254 Fax. : 0 2354 7161

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 : gradthai@mahidol.ac.th**