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Doctor of Philosophy Programme in Logistics and Engineering Management (International Programme)

หลักสูตร ปรัชญาดุษฎีบัณฑิต

สาขาวิชา การจัดการโลจิสติกส์และวิศวกรรม (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Engineering

คณะวิศวกรรมศาสตร์

Expected number of Students to be accepted all year round : 3 Students

Admission Requirements

A candidate must:

1. hold a Master's degree in Engineering, Science, or other Master's degree from an institute accredited by the Commission on Higher Education with a minimum GPA of 3.50 or equivalent.
2. exceptions to the above requirement may be made by the Program Committee and the Dean of the Faculty of Graduate Studies.
3. have a TOEFL score of at least 500, TOEFL computer-based score of 173, TOEFL Internet-based score of 61, or IELTS score of 5 .

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.

Exception from the above conditions may be granted by the Programme Committee and the Dean of the Faculty of Graduate Studies.

Curriculum Structure

	Credit
Fundamental Courses	-
Required Courses	6
Elective Courses	6
Thesis	36

	Credit
Fundamental Courses	
EGIE 551 Design of Experiments	3(3-0)
EGIE 552 Operations Research	3(3-0)
EGIE 553 Production Planning and Control	3(3-0)
Required Courses	
EGIE 555 Engineering Management in Logistics and Supply Chain System	3(3-0)
EGIE 556 Seminar and Research Methods	3(3-0)

Elective Courses

Industrial Engineering and Operations Research Track.

EGIE 560 System Thinking and Modeling	3(3-0)
EGIE 561 Applied Regression Analysis	3(3-0)
EGIE 562 Applied multivariate Statistical Analysis	3(3-0)
EGIE 563 Queuing Systems and Applications	3(3-0)
EGIE 564 Nonlinear Programming	3(3-0)
EGIE 580-589 Special Topics in Logistics and Engineering Management	3(3-0)

Management of Information Technology System Track.

EGIE 565 Data Mining in Industrial Engineering	3(3-0)
EGIE 670 Information Technology for Logistics and Supply Chains	3(3-0)
EGIE 680 Data Structures Systems and Database Management System	3(3-0)
EGIE 681 Decision Support System and Modeling	3(3-0)
EGIE 682 Geographic Information System	3(3-0)

Thesis

EGBE 699 Dissertation	36(108-0)
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*** These may change in cases where there are suggestions for the improvement of the curriculum**

Additional advantages of the programme

The Ph.D. students will have an opportunity to get international exposures by participating in our Mobility Program or International Research Experience program. Besides our research-focus environment, the students will be able to network with researchers in ASEAN who are interested in the areas of Logistics and Engineering Management.

Details of Scholarship

The Ph.D. students will have an opportunity to work with faculty members on their research projects and get research funding based on funding availability.

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 last semester 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 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)

Proposal / Concept Paper

A two page statement of your research motivation and interest.

The Proposal includes the problems and the importance of problems, literature review, and planned research framework.

Job option after graduation

- Academia, Researcher, Professional Consultant.
- University Lecturer in the field of Engineering and Management.
- Organizational Leadership or Executive Management

Further information may be obtained from the Director of Graduate Studies,
Logistics and Engineering Management:

1. Lect. Dr. Jirapan Liangrokapart (E-mail : jirapan.lia@mahidol.ac.th)

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Program Coordinator

1. Mrs. Tharinee Kridsapornanan (E-mail : tharinee.apr@hotmail.com)

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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 : gradthai@mahidol.ac.th**