

Admission Number

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

Faculty of Engineering

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 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 Programme Committee and the Dean of 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) |
| * 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:

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)

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)

Room R212, Building 1, Floor 2, Department of Industrial Engineering,
Faculty of Engineering, Mahidol University, Salaya.

Tel. 0 2889 2138 Ext. 6221 Fax. 0 2889 2138 Ext. 6229

2. **Asst. Prof. Dr. Ronnchai Sirovetnukul** (E-mail : ronnchai.sir@mahidol.ac.th)

Room R212, Building 1, Floor 2, Department of Industrial Engineering,
Faculty of Engineering, Mahidol University, Salaya.

Tel. 0 2889 2138 Ext. 6210 Fax. 0 2889 2138 Ext. 6229

Program Coordinator

1. **Miss Tawinan Simajaruk** (E-mail : taamtee@hotmail.com)

Room Industrial engineering department, Building 1, Floor 2, Department of Industrial Engineering,
Faculty of Engineering, Mahidol University, Salaya.

Tel. 0 2889 2138 Ext. 6203 Fax. 0 2889 2138 Ext. 6229

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**