

Master of Science in Industrial Education
Educational Administration Innovation for Humankind Advancement
(International Program)

Name of Institute King Mongkut's Institute of Technology Ladkrabang
Faculty Industrial Education and Technology
Department Industrial Education

Part 1: General Information

1. Degree Title

Full Title: Master of Science in Industrial Education (Educational Administration Innovation for Humankind Advancement)

Abbreviated Title: M.S.Ind.Ed (Educational Administration Innovation for Humankind Advancement)

2. Total Number of Credits

There are two types of plans toward achieving a degree of Master of Science in Industrial Education (Educational Administration Innovation for Humankind Advancement) and the total number of credits according to the plans are:

Plan 1(A1) Non-coursework- for an individual holding a Bachelor's Degree. This is a research oriented program with a dissertation requirement only for an individual with high experience and solid proof of record in the field of educational administration. The required number of credits are 36 credit hours for the entire plan. However, a student may take additional non-credit courses under the guidance and supervision of the academic and dissertation advisors.

Plan 2(A2) Coursework- for an individual holding a Bachelor's Degree. This is a coursework oriented program with a dissertation requirement. The required number of credits are 30 coursework credit hours with additional 12 dissertation credit hours—a total of 42 credit hours. All students are also required to take additional non-credit courses--Seminar in Educational Administration Innovation for Humankind Advancement and Internship for Educational Administrators, and to pass the comprehensive examination to complete the requirement of the program.

3. Careers for the Graduates

- 3.1 Educational Administrators
- 3.2 Director of Schools, School Principals, School Administrators
- 3.3 Lecturers, Higher Education
- 3.4 Educational Entrepreneurs

3.5 Educational Analysts

3.6 Educational Personnel

3.7 Educational Administration Researchers

Part 2: Program Specific Information

1. Philosophy, Significance and Objectives of the Program

1.1 Philosophy

The Master of Science in Industrial Education (Educational Administration Innovation for Humankind Advancement) program works closely and cooperatively with teachers and educators to acquire knowledge, capability and skills on educational administration in accordance to the Standards for Educational Administrators. The graduates of the programs will become highly qualified educational administrators who are capable of conducting research and design innovations in the field of educational administration in a way that fosters advancement for humankind. The program proactively focuses on promoting and highly responsive educational administration to address the positives and negatives effects of technology on humankind advancement and the society they are living and the industries they are working in. The program works as a catalyst for change and growth especially in the field of educational administration of the citizens of the now and the future so they can achieve personal and professional well-beings effectively and with the highest level of safety and security.

1.2 Significance

The Master of Science in Industrial Education (Educational Administration Innovation for Humankind Advancement) program aims at improving the preparation of educational administrators to go above and beyond the minimum administration standards. Graduates of the program will be a strong drive to the creation of new knowledge and innovations in the field of educational administration. They will lead the human resources preparation strategies in response to the demand from the technological and industrial advancement. The graduates will be able to select and use quality educational administration research in the development of humankind advancement; thus, they help strengthening competitiveness and improving opportunities for quality education that will, in turn, resolve the problem with poverty, build strong values, and improve ethical practices.

1.3 Objectives

1.3.1 To work closely and cooperatively with teachers and educators on the development of knowledge, skills, and capability in educational administration for humankind advancement in accordance to the Standards for Educational Administrators with highest honor and integrity for the field of education.

1.3.2 To develop highly qualified educational administrators who possess concepts and theories, knowledge and skills, and innovative research capabilities in educational administration for the development of highly qualified citizens who will thrive personally and professionally in the world they are living in today and in the future.

1.3.3 To build network of educational administration innovation educators to support and strengthening the economy, society and culture, politics, and technology both domestically and internationally.

2. Expected Learning Outcomes

1. Graduates can express knowledge, skills, and capability in educational administration in accordance to the Standards for Educational Administrators.

2. Graduates can apply educational administration concepts and theories in the development of highly qualified citizens who will thrive personally and professionally in the world they are living in today and in the future.

3. Graduates can effectively and successfully incorporate and apply the innovative research in educational administration to the work under their responsibilities with highest honor and integrity for the field of education.

4. Graduates can develop a strong network of educational administration educators and innovators to support and strengthen the economy, society and culture, politics, and technology both domestically and internationally.

5. Graduates can support humankind development in the digital economy with educational administration innovations.

Part 3: Academic System, Implementation, and Structure of the Program

1. Academic System

1.1 System

The Master of Science in Industrial Education (Educational Administration Innovation for Humankind Advancement) program is under a semester system in which an

academic year is divided into two regular semesters and a special semester (summer). Each regular semester covers at least 15 weeks of teaching and learning with a shorter period in the special semester (summer). Details of the KMITL academic system can be found in the Regulations of King Mongkut's Institute of Technology Ladkrabang under the Graduate Study, B.E. 2559 (Appendix A).

1.2 Special Semester (Summer)

None

2. Program Operation

2.1 Teaching Schedule

Monday-Friday Classes

Saturday-Sunday Classes

Semester 1: August-December

Semester 2: January-June

2.2 Admission Requirements

2.2.1. All applicants for the M.S.Ind.Ed. program for Plan 1(1.1) Non-coursework and Plan 2(2.1) Coursework must hold a Bachelor's Degree in any field of study from either an academic institution accredited by the Office of the Civil Service Commission (OCSC), Thailand, or any other institutions accredited and recognized internationally as such.

2.2.2. All applicants are expected to fulfill all the admission requirements specified in the admission regulations of King Mongkut's Institute of Technology Ladkrabang under Graduate Study B.E. 2559 (Appendix A).

2.2.3. All applicants (with an exception of those whose native language is English and those who graduated from an international program or an institution from countries where English is an official language) must prove his/her English proficiency by submitting a no-less-than-2-year-old result of either the Test of English as a Foreign Language (TOEFL), the International English Language Testing Service (IELTS), or the Chulalongkorn University Test of English Proficiency (CU-TEP). The minimum requirements for each examination are as follows:

- a TOEFL score of no less than 450 (paper-based) or 61 (internet-based)
- an IELTS score of no less than 5.0 or
- a CU-TEP score of no less than 60

2.2.4. All applicants must submit a research proposal with a topic of interest that he/she would like to develop as a dissertation.

2.2.5. All applicants for the Plan 1(A1) Non-coursework must show proof of at least 1 academic papers or show concrete proof of work and experiences in the field of educational administration to be considered for admission to the M.S.Ind.Ed program.

2.3 Five-Year Admission and Graduation Plan

Plan 1(A1) Non-Coursework with Dissertation

Number of Students	Academic Year				
	2020	2021	2022	2023	2024
Year 1	5	5	5	5	5
Year 2		5	5	5	5
Year 3			5	5	5
Total	5	10	15	15	15
Expected Number of Graduates			5	5	5

Plan 2(A2) Coursework with Dissertation

Number of Students	Academic Year				
	2020	2021	2022	2023	2024
Year 1	5	5	5	5	5
Year 2		5	5	5	5
Year 3			5	5	5
Total	5	10	15	15	15
Expected Number of Graduates			5	5	5

2.4 Budget Plan

Expected average cost is 220,000 Baht per student per year.

3. Curriculum and Lecturers

3.1 Curriculum

3.1.1 Total Credit Hours

- Plan 1(A1) Non-Coursework with Dissertation 36 credit hours
- Plan 2(A2) Coursework with Dissertation 42 credit hours

3.1.2 Curriculum Structure

- Plan 1(A1) Non-Coursework 36 credit hours
 - A. Dissertation 36 credit hours

Plan 2(A2) Coursework	42 credit hours
A. Dissertation	12 credit hours
B. Compulsory Core Courses	18 credit hours
● Foundation Courses	6 credit hours
● Program-Specific Courses	12 credit hours
● Internship	3 credit hours (unaccredited)
C. Elective Courses	12 credit hours
D. Seminar	3 credit hours (unaccredited)

3.1.3 Courses

Plan 1(A1) Non-Coursework with Dissertation

A. Dissertation 36 credit hours

Credit Hours (Lecture-Lab-Self Study)

03268901 DISSERTATION 36 (0-108-0)

Plan 2(A2) Coursework

A. Dissertation 12 credit hours

Credit Hours (Lecture-Lab-Self Study)

03268902 DISSERTATION 12 (0-36-0)

B. Compulsory Core Courses 18 credit hours

Foundation Courses 6 credit hours

Credit Hours (Lecture-Lab-Self Study)

03267001 EDUCATIONAL ADMINISTRATION INNOVATION RESEARCH 3(3-0-6)
METHODOLOGIES

03267002 EDUCATIONAL ADMINISTRATION INNOVATION THEORY 3(3-0-6)
AND METHODOLOGY FOR INDUSTRIAL AND
TECHNOLOGICAL DEVELOPMENT

Program-Specific Courses 12 credit hours

Credit Hours (Lecture-Lab-Self Study)

03267103 ACADEMIC MANAGEMENT FOR HUMANKIND ADVANCEMENT 3(3-0-6)

03267104 HUMAN RESOURCE COMPETENCY DEVELOPMENT AND 3(3-0-6)
NETWORK MANAGEMENT

03267105 EDUCATIONAL RESOURCE MANAGEMENT AND 3(3-0-6)
TECHNOLOGICAL INTEGRATION

03267106 EDUCATIONAL POLICY AND QUALITY ASSURANCE DESIGNS 3(3-0-6)
FOR QUALITY OF LIFE DEVELOPMENT

Internship 3 credit hours (unaccredited)

Credit Hours (Lecture-Lab-Self Study)

03267107 INTERNSHIP IN EDUCATIONAL ADMINISTRATION 3(0-9-0)

C. Elective Courses 6 credit hours

Credit Hours (Lecture-Lab-Self Study)

03267207 EDUCATIONAL LEADERSHIP AND COPING WITH FUTURE CHALLENGE 3(3-0-6)

03267208 DIRECTIONAL EDUCATIONAL PSYCHOLOGY AND COUNSELING 3(3-0-6)

03267209 ALTERNATIVE AND SPECIAL EDUCATION MANAGEMENT RESPONSIVE TO DIVERSITY 3(3-0-6)

03267210 TEACHERPRENEURS 3(3-0-6)

03267211 EDUCATION MANAGEMENT FOR NATIONAL DEVELOPMENT 3(3-0-6)

03267212 EDUCATIONAL PLAN DESIGN FOR INDIVIDUAL LEARNING DEVELOPMENT 3(3-0-6)

03267213 PROMINENCE ISSUES AND FUTURE EDUCATIONAL TREND ANALYSIS 3(3-0-6)

03267214 EDUCATIONAL ENTREPRENEURSHIP AND CAREER DEVELOPMENT 3(3-0-6)

03267215 STRATEGIC MARKETING FOR EDUCATIONAL INSTITUTION PROMOTION 3(3-0-6)

03267216 INTERNATIONAL EDUCATIONAL ADMINISTRATION MODELS AND SYSTEMS 3(3-0-6)

03267217 EDUCATIONAL TECHNOLOGY AND LEARNING MOTIVATION ENHANCEMENT 3(2-2-5)

Remark: In addition to the elective courses set in this program, students can choose either subjects from the graduate studies of the Faculty of Industrial Education and Technology or appropriate faculties within King Mongkut's Institute of Technology Ladkrabang with the approval of the program board of directors.

D. Seminar 3 credit hours (unaccredited)

Credit Hours (Lecture-Lab-Self Study)

03267801 SEMINAR IN EDUCATIONAL ADMINISTRATION INNOVATION FOR HUMANKIND ADVANCEMENT 3(1-4-0)

3.1.4 Study Plans

Plan 1(1.1) Non-Coursework

Year 1: Semester 1

Course ID	Course Title	Credit Hours (Lecture-Lab-Self Study)
03267901	THESIS	9 (0-27-0)
Total		9

Year 1: Semester 2

Course ID	Course Title	Credit Hours (Lecture-Lab-Self Study)
03267901	THESIS	9 (0-27-0)
Total		9

Year 2: Semester 1

Course ID	Course Title	Credit Hours (Lecture-Lab-Self Study)
03267901	THESIS	9 (0-27-0)
Total		9

Year 2: Semester 2

Course ID	Course Title	Credit Hours (Lecture-Lab-Self Study)
03267901	THESIS	9 (0-27-0)
Total		9

Total throughout the program 36 Credit Hours

Plan 2(2.1) Coursework

Year 1: Semester 1

Course ID	Course Title	Credit Hours (Lecture-Lab-Self Study)
03267002	EDUCATIONAL ADMINISTRATION INNOVATION THEORY AND METHODOLOGY FOR INDUSTRIAL AND TECHNOLOGICAL DEVELOPMENT	3(3-0-6)
03267105	EDUCATIONAL RESOURCE MANAGEMENT AND TECHNOLOGICAL INTEGRATION	3(3-0-6)

03267103	ACADEMIC MANAGEMENT FOR HUMANKIND ADVANCEMENT	3(3-0-6)
032672XX	ELECTIVE (1)	3(3-0-6)
TOTAL		12

Year 1: Semester 2

Course ID	Course Title	Credit Hours (Lecture-Lab-Self Study)
03267001	EDUCATIONAL ADMINISTRATION INNOVATION RESEARCH METHODOLOGIES	3(3-0-6)
03267104	HUMAN RESOURCE COMPETENCY DEVELOPMENT AND NETWORK MANAGEMENT	3(3-0-6)
03267106	EDUCATIONAL POLICY AND QUALITY ASSURANCE DESIGNS FOR QUALITY OF LIFE DEVELOPMENT	3(3-0-6)
032672XX	ELECTIVE (2)	3(3-0-6)
TOTAL		12

Year 2: Semester 1

Course ID	Course Title	Credit Hours (Lecture-Lab-Self Study)
032672XX	ELECTIVE (3)	3(3-0-6)
032672XX	ELECTIVE (4)	3(3-0-6)
03267801	SEMINAR IN EDUCATIONAL ADMINISTRATION INNOVATION FOR HUMANKIND ADVANCEMENT	3 (1-4-0) (Unaccredited)
03267902	THESIS	6 (0-18-0)
TOTAL		12

Year 2: Semester 2

Course ID	Course Title	Credit Hours (Lecture-Lab-Self Study)
03267107	INTERNSHIP IN EDUCATIONAL ADMINISTRATION	3(0-9-0) (Unaccredited)
03267902	THESIS	6 (0-18-0)
TOTAL		6

Total throughout the program 42 Credit Hours

3.2 Program Faculty Members

Name	Education	Institution
1. Assistant Professor Dr. Ampapan Tantinakornkul (Educational Administration)	- Ph.D. (Educational Leadership), 2012 - M.A. (Applied Linguistics), 1998 - B.A. (History:Tourism), 1993	- Assumption University, Bangkok, Thailand - The University of New South Wales, Australia - Srinakharinwirot University, Bangkok, Thailand
2. Associate Professor Dr. Malai Tawisook (Educational Administration)	- Ed.D. (Educational Administration), 1990 - M.S. (Agricultural Extension), 1984 - B.S. (Agricultural Education, 1978	- University of Cincinnati, Ohio, USA - Kasetsart University, Bangkok, Thailand - Kasetsart University, Bangkok, Thailand
3. Assistant Professor Dr. Piyapong Sumettikoon (Educational Administration)	- Ed.D. (Educational Administration), 2003 - MBA (Entrepreneurship), 1997 - BBA (Marketing and Management), 1994	- Baylor University, Texas, USA - Baylor University, Texas, USA - Baylor University, Texas, USA

4. Requirements regarding project work or research (if any)

4.1 Brief description

The dissertation that students are interested in researching must be able to be explained by the theory and concepts used in the study. New knowledge gained by students from research must be useful. There must be a clear research method, and it must be completed within the specified time period. Master students must pass the comprehensive examination before taking the dissertation examination.

The dissertation must create new knowledge in topics related to educational administration, innovation, and/or humankind advancement responsive to the needs in various area of education management. It must be delivered strictly according to the thesis format and set duration of the course and in accordance with the Regulations of King Mongkut's Institute of Technology Ladkrabang on Graduate Study, B.E. 2559 (Section 12 and Section 15).

4.2 Learning results standards

Students have the ability to study, research, analyze, synthesize information to gain new knowledge, and be able to write a summary report of their study.

4.3 Total number of credits

Plan 1(1.1) Non-Coursework with Dissertation 36 credits.

Plan 2(2.1) Coursework with Dissertation 42 credits.

4.4 Evaluation process

In accordance with the Regulations of King Mongkut's Institute of Technology Ladkrabang regarding Graduate Study, B.E. 2559, Section 11: Measurement and Evaluation of Education (Appendix A).

4.5 Graduation

In accordance with the Regulations of King Mongkut's Institute of Technology Ladkrabang regarding graduate study, B.E. 2559, Section 15 Graduation (Appendix A).