



## Master of Science Program in Occupational Health and Toxicology

Faculty of Medicine Ramathibodi Hospital,  
Mahidol University, Bangkok, Thailand

### Our Program

The curriculum is a multidisciplinary curriculum which integrated the areas of occupational health and medicine, toxicology, industrial hygiene and safety, as well as epidemiology and genetics. Objectives of the course are to produce graduates who can apply the concept and theory of occupational health and toxicology to solve problems, integrate with health care, conduct research, analyze data and be leaders in advanced academic and work ethics.

Our Master degree program is endorsed by Preventive Medicine Association of Thailand as an eligible program in Occupational Medicine residency training program.

### Application Requirements

Applicants must upload a scanned copy of following documents (PDF format) through the Online Admission System:

1. Degree Certificate (English Translated): Bachelor graduates or equivalent from health science program or other related disciplines from the institutes approved by the Office of the Higher Education Commission
2. Academic Transcript (English Translated): Cumulative GPA at least 2.50
3. Photo (JPEG format)
4. Passport
5. Curriculum Vitae (CV)
6. Health Certificate
7. Recommendation Letters: from three persons
8. Additional documents: Statement of Purpose
9. English Proficiency Score Report: within two years up to the application date, directly sent by the test center to the Language Center, Faculty of Graduate Studies, Mahidol University within the application deadline

#### English Proficiency Criteria

Type	For Admission	For Graduation
IELTS	3	5
TOEFL-IBT	32	54
TOEFL-ITP (by Mahidol U)	400	480
MU GRAD	36	60

Candidates not satisfying the above qualifying criteria may be admitted at the discretion of the program committee and the Dean of the Faculty of Graduate Studies.

### Structure of Curriculum

Required courses	Elective courses	Thesis	Total Credits
20	4	12	36

## Coursework Descriptions

### Required courses

Course ID	Course description	Credits
RAOT 601	Occupational Health and Diseases	3
RAOT 602	Principle of Toxicology	3
RAOT 604	Principle of Occupational Health Epidemiology	3
RAOT 605	Seminar in Occupational Health and Toxicology	1
RAOT 606	Practice in Occupational Health	2
RAOT 607	Industrial Hygiene and Occupational Safety	2
RAOT 608	Human Genetic and Biomonitoring in Occupational Health	1
RAOT 609	Occupational Health and Safety Management	2
RAOT 613	Research Proposal and Scientific Writing	1
RAOT 614	Systemic and Clinical Toxicology in Occupational Medicine	2

### Elective courses

Course ID	Course description	Credits
RAOT 615	Assessment of Human Exposure to Environmental Pollution	2
RAOT 611	Special Topics in Occupational Health and Toxicology	1
RAOT 612	Approach to Genetic Association in Health and Toxic Substance	1
RACE 607	Clinical Economics	3
RACE 618	Systematic Review and Meta-Analysis	3
RACE 626	Advanced Statistical Analysis in Clinical Research	3

### Timetable

(Study is in normal working hours on weekdays)

Year 1 – All coursework/Thesis, Year 2 – Thesis

### First semester

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 - 12:00			RAOT 601 Occupational Health and Diseases	RAOT 602 Principle of Toxicology	RAOT 603 Systemic and Clinical Toxicology in Occupational Medicine
13:00 - 15:00		RAOT 607 Industrial Hygiene and Occupational Safety		RAOT 604 Principle of Occupational Health Epidemiology	
15:00 - 16:00					



## Contact us:

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