

Faculty of Medicine Ramathibodi Hospital
Faculty of Tropical Medicine
Faculty of Public Health
MAHIDOL UNIVERSITY, BANGKOK, THAILAND



Master of Science Program in
**MEDICAL
EPIDEMIOLOGY**

The flexible way to become a qualified epidemiologist

Full Time — full time in 1½ to 2 years for coursework and research

Part Time — study at your own pace for coursework and research

International M.Sc. in Medical Epidemiology by Full or Part Time Study

Studying for your International M.Sc. in Medical Epidemiology has become a lot easier. The Section for Clinical Epidemiology and Biostatistics of the Faculty of Medicine Ramathibodi Hospital in cooperation with the Faculty of Public Health and the Faculty of Tropical Medicine of Mahidol University provides you with more options for obtaining qualifications and skills to make you a qualified epidemiologist. You can study a conventional full time course which will take one year for coursework and from half to one year for research.

Alternatively you can a flexible part time course to reach your goal over a few years. You can choose how many blocks you wish to study each year according to your availability and build up your credits as you go. This flexible part time M.Sc. in Medical Epidemiology is designed for your convenience. You can study as many blocks per year as you wish until you finish. Blocks should be taken in sequence. The blocks and sequence are shown on the next page.

To obtain an international M.Sc. in Medical Epidemiology needs 36 credits of which the coursework represents 24 credits and the other 12 credits are for your research, which should take you ½ to 1 year to complete, after you have finished your coursework. Your research can be done in your own institute / country with regular contact with your research supervisors and formal progress reporting at six monthly intervals until you finish. A typical outline of research activities with duration is shown on the next page. In addition during the program you need to publish one manuscript in an international journal.

Our Flexible M.Sc. Programs:

- Full time study and research typically 1 ½ to 2 years.
- Part time study and research setting your own pace to suit your individual needs.

Part time mode of study

- Study 2 blocks per year and you can finish in 4 years
- Study 1 block per year and you can finish in 7 years

Benefits of studying with us:

- Flexible structure to meet a wide range of needs
- Better qualified and skilled in research
- Improved career opportunities
- International standard program

International:

- English — language of medicine and science
- International approach — high student responsibility
- International publication of manuscripts

Selection criteria:

- Bachelor Degree in Medicine, Dentistry, Pharmacy or other related Health Care subject.
- Pass English examination TOEFL minimum 54 iBT or 480 paper based test or IELTS 4.5 or Mahidol University Graduate School English examination with a minimum of 480.
- Previous publication or research experience is an advantage for consideration.

Structure of Curriculum

Required courses	Elective courses	Research for Thesis	Total credits
20	4	12	36

Coursework Descriptions

Activity	Course ID	Course description
Block 1	RACE 612	Study Designs & Measurements
	RACE 615	Introduction to Medical Statistics
Block 2	RACE 611	Clinical Epidemiology & Evidence-Based Medicine
	RACE 614	Medical Informatics & Database Management
Block 3	RACE 608	Social Science in Clinical Practice & Research
	RACE 616	Advanced Analysis in Medical Research
Block 4	RACE 603	Research Protocol Designs
	RACE 607	Clinical Economics
Block 5	RACE 617	Randomized Controlled Trial
	RACE 618	Systematic Review and Meta-analysis
Research	RACE 698	Research for Thesis

Timetable (Study is in normal working hours on weekdays)

Activity	Full time	Part time one block/year	Part time two blocks/year
Year 1	All coursework	Block 1	Blocks 1 and 2
Year 2	Research	Block 2	Blocks 3 and 4
Year 3	Graduate	Block 3*	Block 5
Year 4		Block 3*	Research
Year 5		Block 4	Graduate
Year 6		Block 5	
Year 7		Research	
Year 8		Graduate	

Most blocks take 1.5 - 2 months to complete

* Block 3 is from December through January of the next year

Research Activities

	Months									
	1	2	3	4	5	6	7	8	9	10
Defend topic	→									
Develop proposal	→	→								
Defend proposal		→								
Ethics approval		→	→							
Grant (if needed)		→	→							
Data management			→	→	→	→	→	→		
Data collection			→	→	→	→	→	→		
Data analysis						→	→	→		
Write thesis								→	→	
Defend thesis									→	→
Submit thesis										→
Publish 1 article										→

All About Us

The Section for Clinical Epidemiology and Biostatistics (CEB), Faculty of Medicine, Mahidol University offers training for MSc in Medical Epidemiology. We aim to produce graduates who wish to have a leadership career as researchers in evidence-based medicine in schools of medicine, hospitals, and government service sections. To support this, we provide extensive course work and training. Students will engage in clinical epidemiology course work tasks which can be applied in clinical practice including diagnosis risk/harm, prognosis, therapy, systematic review, and clinical practice guidelines. Other relevant course work tasks, which include study designs, randomized controlled trials, health social sciences, and economic evaluations, will also be covered. We also place special emphasis on rigorous methods of systematic review and meta-analysis, which will lead students to gather and synthesize evidences according to their research question, or will bring forward a good rationale to conduct a study if those evidences cannot answer their questions.

Our program works and collaborates closely with clinical departments in the Faculty of Medicine, Ramathibodi Hospital and with the Faculty of Tropical Medicine and the Faculty of Public Health of Mahidol University. We have methodologists who are experts in various specific areas of research including kidney disease, cardiovascular disease (e.g. heart disease, hypertension), diabetes, orthopedics, pediatrics, neurology, family medicine, emergency medicine, otolaryngology, etcetera. We also have a good research team from our CEB to facilitate, help, and support students when conducting their researches. Our students are encouraged to put in their efforts, by following our program planning, to get their research achievements published internationally. We look forward to working with you to achieve your goals.

Come and Join Our Team

Teamwork is what gets the job done. Imagine a large sample multi centre randomized controlled trail. You have many staffs to involve including investigators, clinicians, epidemiologist, data manager, collaborators, data collectors and of course an excellent back-up advisory and support team. The principle investigator is the leader of this team effort and that is the position we are going to put you in, after showing you how to do it. You will develop research methodological skill, which requires Clinical Epidemiology and Biostatistics knowledge, and also build up leadership and teamwork skills, as well as completing a worthy research project. We have a team of supervisors and support staffs to keep you on track. You will be in the driving seat and have us as a navigator taking you to achieve your goal. You are not left on your own, we will work closely together as a team. We would like to invite you to be one of our research team. We are looking forward to work with you.

Section for Clinical Epidemiology and Biostatistics

3rd Floor, Research Center Building
Faculty of Medicine Ramathibodi Hospital
Mahidol University

270 Rama VI Road
Ratchathewi
Bangkok 10400
Thailand

Telephone: (+66)2-201-2684
www.ceb-rama.org
facebook.com/ramaclinicalepi

