



## ADMISSION REQUIREMENTS

### M.Sc. Program:

#### Plan A1 and A2:

- Bachelor of Science (B.Sc.)
- CU-TEP  $\geq 30$ , IELTS  $\geq 3.0$ , TOEFL  $\geq 400$  (Thai program)
- CU-TEP  $\geq 45$ , IELTS  $\geq 4.0$ , TOEFL  $\geq 450$  (Inter program)

### Ph.D. Program:

#### Scheme 1.1 and 2.1:

- Master of Science (M.Sc.)
- CU-TEP  $\geq 45$ , IELTS  $\geq 4.0$ , TOEFL  $\geq 450$  (Thai program)
- CU-TEP  $\geq 67$ , IELTS  $\geq 5.5$ , TOEFL  $\geq 525$  (Inter program)

#### Scheme 1.2 and 2.2:

- Bachelor of Science (B.Sc.) with honors degree
- CU-TEP  $\geq 45$ , IELTS  $\geq 4.0$ , TOEFL  $\geq 450$  (Thai program)
- CU-TEP  $\geq 67$ , IELTS  $\geq 5.5$ , TOEFL  $\geq 525$  (Inter program)

## GENERAL STUDY PLAN

M.Sc. Program: 2-4 years

Ph.D. (Scheme 1.1, 2.1): 3-6 years

Ph.D. (Scheme 1.2, 2.2): 5-8 years



“ **Medical Sciences programs speak to your need for a brighter future.** ”

All our programs are specially formulated to address the needs of graduates with Bachelor's or Master's degrees in science looking to up-skill and re-skill for better employment opportunities as researchers, scientists, academia, and entrepreneurs in the medical sciences.

## SCHOLARSHIPS

available for potential candidates

### Online application at:

<http://grad.md.chula.ac.th/activerecruitment/program.php>

**For more information, please contact  
Program Coordinator**

Tel: (662)-256-4475, 256-4663

**Email:** [medical.sciences.cu@gmail.com](mailto:medical.sciences.cu@gmail.com)

**Website:** <http://grad.md.chula.ac.th>

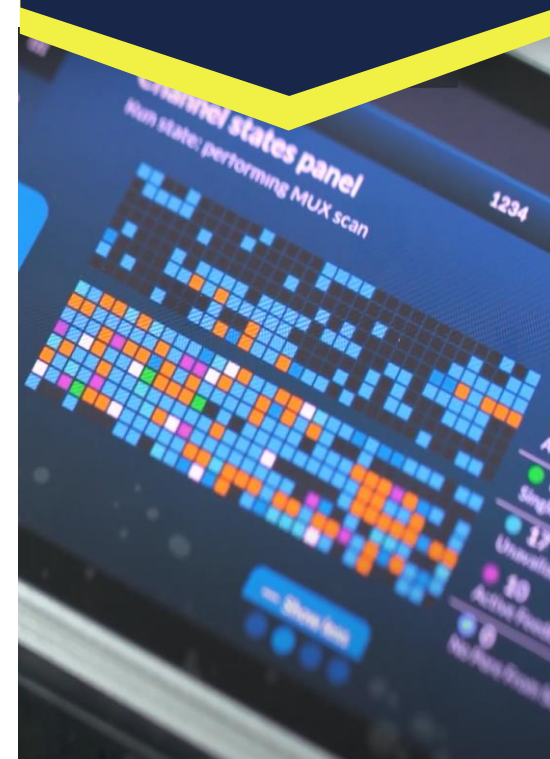


**Graduate Affairs, Faculty of Medicine,  
Chulalongkorn University**

Rama IV Rd. Pathumwan, Pathumwan, Bangkok 10330



## MASTER AND DOCTOR OF PHILOSOPHY PROGRAMS IN MEDICAL SCIENCES





## PHILOSOPHY:

The program is designed in concurrence with emerging of new knowledges in medical sciences. Principles of outcome-based together with research-based focus on medical sciences which are multi-disciplines rather than subject based as well as ethical consideration are utilized to achieve program goals. Medical sciences program aims to produce high quality academicians and multi-disciplinary researchers for society and to be accepted nationally and internationally.

## VISION:

Role model of medical sciences program with virtue and ability to set international standards.

## MISSION:

- To produce high quality graduates, possess the knowledge, skills and attitude which meet international standards and transfer knowledge to serve society.
- To produce in-depth innovative research works with international standards in different branches of medical sciences including Applied and Clinical Anatomy, Cell Biology and Human Molecular Genetics, Neurosciences, Parasitology and Tropical Medicine, Pathology, Molecular Pharmacology and Advanced Therapeutics, Medical Physiology, Applied Biochemistry and Molecular Biology, Stem Cell and Regenerative Medicine, Forensic Sciences and Clinical Pathology

### EXPECTED LEARNING OUTCOMES (ELOs) OF Ph.D. PROGRAM

**ELO1:** Identify, interpret, and critique relevant literature in medical sciences

**ELO2:** Develop a novel research question to serve the national strategy by applying forefront knowledge in the relevant field of medical sciences

**ELO3:** Design research proposal by integrating advance knowledge and forefront technologies in medical sciences

**ELO4:** Uphold the international ethical, scientific, and practical standards and regulatory requirement

**ELO5:** Demonstrate proficiency in the skills needed to conduct biomedical research in relevant field, to manage project, to collaborate constructively with a range of regional, national and international research partners, and to deploy leadership smartly

**ELO6:** Analyze data and justify the results to make accurate conclusion of research outputs and to create new knowledge or innovative solutions in medical sciences

**ELO7:** Effectively communicate medical scientific information to specialists in the field and the lay public through writing and/or oral communication

**ELO8:** Recognize the need for lifelong learning and exhibit the skills necessary to acquire knowledge by oneself

### FIELDS OF MEDICAL SCIENCES

Applied and Clinical Anatomy

Cell Biology and Human Molecular Genetics

Neurosciences

Parasitology and Tropical Medicine

Pathology

Molecular Pharmacology and Advanced Therapeutics

Medical Physiology

Applied Biochemistry and Molecular Biology

Stem Cell and Regenerative Medicine

Forensic Sciences

Clinical Pathology

Sports and Exercise Medicine

One Health

Microbiology and Immunology

### M.Sc. PROGRAM STRUCTURE

Program Structure	Plan A1	Plan A2
Total credits	36	36
Thesis	36 (+Seminars)	18
Coursework credits	-	18
Common core courses	-	4
Field core courses	-	6
Elective courses	-	8

### Ph.D. PROGRAM STRUCTURE

Program Structures	Scheme 1.1 (Dissertation) (Graduated Master)	Scheme 1.2 (Dissertation) (Graduated Bachelor)
Total credits	48	72
Dissertation	48	72
Program Structures	Scheme 2.1 (Dissertation + Coursework)	Scheme 2.2 (Dissertation + Coursework)
Total credits	48	72
Coursework credits	12	24
Common core courses	-	4
Field core courses	6	6
Elective courses	6	14
Dissertation	36	48