Admission Number | 2 | 3 | 2 | 4 | M | G | 0 | 0 |

Master of Science Programme in Health Informatics (International Programme)

หลักสูตร วิทยาศาสตรมหาบัณฑิต **สาขาวิชาสนเทศศาสตร์ทางสุขภาพ (หลักสูตรนานาชาติ) (ภาคปกติ)**

Faculty of Public Health **Department of Biostatistics**

คณะสาธารณสุขศาสตร์ **ภาควิชาชีวสถิติ**

Expected number of students to be accepted all year round : 15 Students

Admission Requirements

A candidates must:

1. Hold a Bachelor's degree in Computer Science, Computer Engineering, Information Technology, Health Informatics, Mathematics, Statistics, Medicine, Dentistry, Pharmacy, Nursing, Medical Technology, Physical Therapy, Public Health, Health Science or related areas.
2. Receive a cumulative GPA of at least 2.50
3. Submit a certificate of English proficiency with minimum admission score:
   - IELTS - at least 3 or
   - TOEFL INTERNET BASED - at least 32 or
   - TOEFL ITP (test arranged by Faculty of Graduate Study, Mahidol University) - at least 400 or
   - MU GRAD TEST(Computer based) - at least 36

   Important Notes:
   - English proficiency score must be taken within 2 years up to the admission date.
   - Application without submitting a valid English certificate will NOT be considered.
   - MU English Competence Standards: www.grad.mahidol.ac.th
   - MU English proficiency tests, please contact the Language Center, Faculty of Graduate Studies. Tel. 0-2441-4125 ext. 221-222
4. Exemption from the above conditions may be granted by the Programme Committee under exceptional circumstances.

Written Examination (Applicants must attend the examination date accurately to your admission round)

Subjects for examination	**Time** (Morning session)
1. General Science 2. Fundamental of Technology	9.00 - 11.00 a.m.
Examination Place Mahidol University , Salaya , Nakhonpathom more details : www.grad.mahidol.ac.th or Announcement at Faculty of Graduate Studies branches.	

Curriculum Structure

	Credit
Plan A. Type A(2)	
Required courses	20
Elective courses no less than	6
Thesis	12
Plan B.	
Required courses	20
Elective courses no less than	12
Thematic paper	6

			Credit
Elementary Courses			
PHBS	551	Fundamentals of Computer and Informatics	2(1-2-3)
PHBS	552	Fundamentals of Medicine and Health	2(2-0-4)
Required Courses			
PHBS	602	Biostatistics B	3(3-0-6)
PHBS	640	Database System and Computer Networking in Health Informatics	3(2-2-5)
PHBS	641	Medical Informatics and Health Care System	3(2-2-5)
PHBS	642	Principle of Health Informatics	3(3-0-6)
PHBS	644	Research Design and Evaluation in Health Informatics	3(3-0-6)
PHBS	626	Medical Data Records, Standards, Data Coding and Classification Systems	3(2-2-5)
PHBS	681	Seminar in Health Informatics	2(2-0-4)
Elective Courses			
PHBS	643	Evidence Based Health Care System	3(3-0-6)
PHBS	645	Health Systems Simulation	3(2-2-5)
PHBS	646	Health care Interface Design	3(2-2-5)
PHBS	647	Data Mining and Knowledge Discovery	3(2-2-5)
PHBS	648	Knowledge Modeling in Health Informatics	3(3-0-6)
PHBS	649	Health Decision Support Systems	3(2-2-5)
PHBS	650	Health Information Technology	3(3-0-6)
PHBS	671	Management of Health Information System	3(3-0-6)
PHBS	672	Information Project Management	3(3-0-6)
PHBS	673	Health Information Systems Security	3(2-2-5)
PHBS	675	Legal Ethical Aspects of Health Informatics	3(3-0-6)
PHBS	676	Object-Oriented System Development in Health Informatics	3(2-2-5)
PHBS	677	Public Health Informatics	3(3-0-6)
PHBS	678	Information Systems for Health Care Delivery	3(3-0-6)
PHBS	685	Special Studies in Health Informatics	2(2-0-4)
PHBS	683	Data Communications and Computer Network Management	3(2-2-5)
PHBS	684	Client-Server Systems	3(2-2-5)

Thesis (For Plan A. Type A(2))

PHBS 698 Thesis 12(0-48-0)

Thematic paper (For Plan B.)

PHBS 660 Thematic paper 6(0-24-0)

*** These may change in cases where there are suggestions for the improvened of the curriculum**

Additional Advantages of the Programme

There are 2 study plans i.e. A(2) with 12 credits M.Sc. thesis and Plan B with 6 credits thematic paper. It is the students' choice to choose plan of study.

Details of Scholarship

- Scholarship of the 60th Year Supreme Reign of His Majesty King Bhumibol Adulyadej.
- The M.Sc. Health Informatics programme provides 2 scholarships for partial tuition fee waiver up to 50 % of the credit registration fee.

Application Process

Application is only available via online application at www.grad.mahidol.ac.th

Required Documents

Applicants must upload all documents via online admission system. All documents must be in PDF format (maximum size 2 MB). Photograph must be in JPEG format.

- Recent photograph (1x1 inch in size)
- A copy of an applicant's degree certificate or a letter of graduation certification (for an applicant with a degree completion)
- A letter certifying that an applicant is currently in the final year prior to graduation (for an applicant seeking for a degree)
- A detailed transcript of a degree (for an applicant with a degree completion)
- A grade report with course names and grades received from the first to the current semester prior to graduation
- A copy of identification card
- A copy of house registration certification
- A copy of Certificate of English proficiency :
  IELTS / TOEFL INTERNET BASED / TOEFL ITP / MU GRAD TEST(Computer based)
- A copy of proof of payment.

Job option after graduation

- Health informatician
- Health Data Analyze
- Healthcare project management

Further information may be obtained from the Director of Graduate Studies, Health Informatics:

1. **Asst. Prof. Dr. Pichitpong Soontornpipit (E-mail : pichitpong.soo@mahidol.ac.th)**
Room 3105 ,Building 4, Floor 2, Department of Biostatistics ,
Faculty of Public Health.
Tel: 087-9162552 8530 Fax: 0 2354 8530

Program Coordinator

Miss Punnapar Rawanont (E-mail : punnapar.raw@mahidol.ac.th)
Room 3205 ,Building 4, Floor 2, Department of Biostatistics ,
Faculty of Public Health.
Tel: 0 2354 8530 Fax: 0 2354 8534

Notes

1. The programme of Health Informatics requires students to study the pre – requisite course:
   - PHBS 551 Fundamentals of Computer and Informatics 2 Credits
   - PHBS 552 Fundamentals of Medicine and Health 2 Credits
2. 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 : gradthai@mahidol.ac.th**