

OPEN HOUSE
2020

Academics at MD KMITL



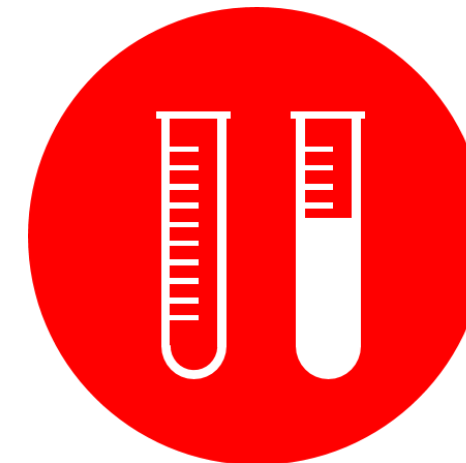
KMITL MD program – Key Features

- 6-year advanced bachelor degree
- Outcome-based
- Research-intensive
- International standard in design and practice
- System-based and integrated preclinical study
- Early clinical experience
- Focus on application of technology and innovation
- Hand-on learning experience

KMITL MD program – outcomes

Professional competencies

- Professional habits, attitudes, moral and ethics
- Communication and interpersonal skills
- Scientific knowledge of medicine
- Patient care
- Health promotion and health care system
- Continuous professional development

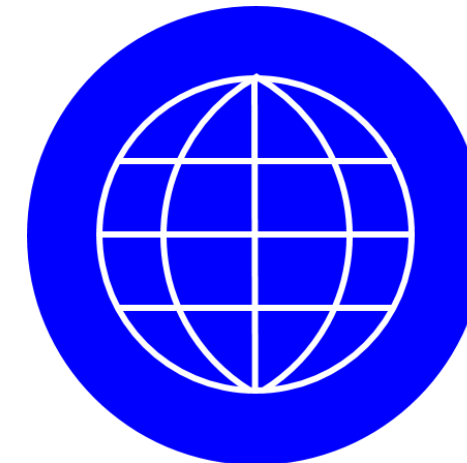


Research competencies

- Scientific inquiry and critical thinking
- Capable biomedical researcher

21st century skills

- Learning and innovation skills
- Information, media and technology skills
- Life and social skills



Internationalization

- Global doctors and global citizens

Professional competencies of Thai MDs

- Professional habits, attitudes, moral and ethics
- Communication and interpersonal skills
- Scientific knowledge of medicine
- Patient care
- Health promotion and health care system
- Continuous professional development



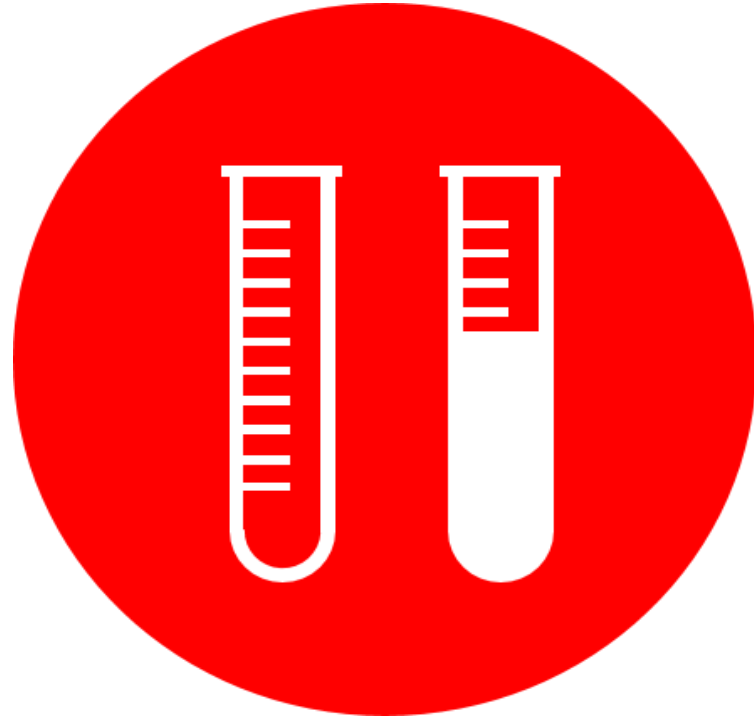
21st century skills

- Learning and innovation skills
- Information, media and technology skills
- Life and social skills



Tasks of Medical Inventors and Innovators

- Learning and applying new technologies into clinical practices
- Creative and innovative thinking of the common clinical problems
- Adaptability to the changing world



Research competencies

- Scientific inquiry and critical thinking
- Capable biomedical researcher

Tasks of Biomedical Researchers

- Scientific thinking and problem-solving approach to biomedical questions
- Conduct a research project of individual and/or public interests

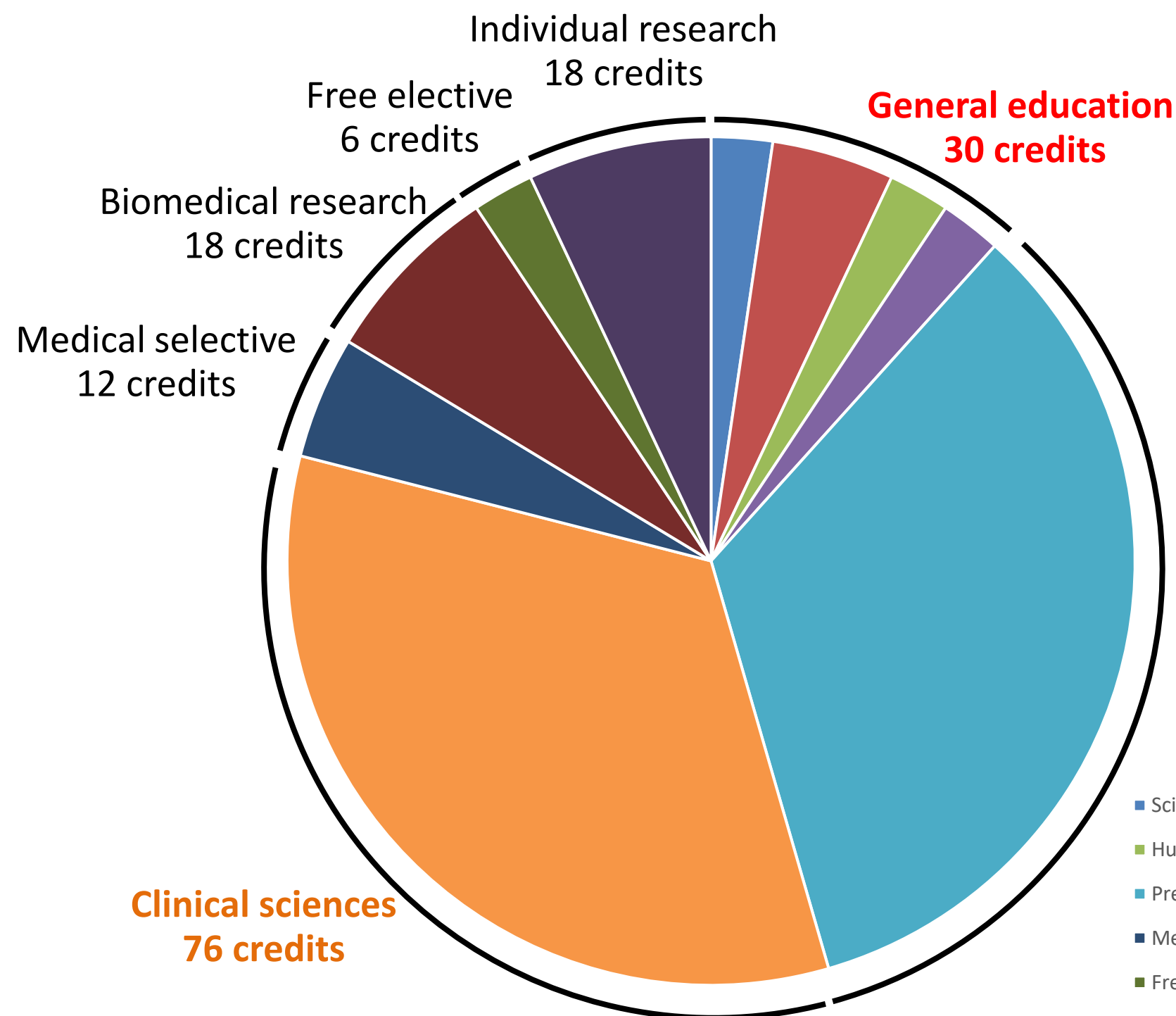


Internationalization

- Global doctors and global citizens

Tasks of Global Doctors

- Effectively communicate in English or other working languages
- Developing and maintaining professional competencies up to international standards
- Awareness and engagement in the local and global health issues



Number of credits for the entire program

A.1. Core requirement skills

- 90641001 Charm school
- 90641002 Sports and recreational activity
- 90641003 Digital literacy

A.2. Language and communication skills

- 17626172 English for medical professions
- 17626173 Academic reading and writing for health sciences

A.3. Faculty requirement

- 906430xx Understanding human behavior
- 906430xx Professional ethics and laws
- 906430xx Health system

A.4. General education and free elective

6 CREDITS

2 (1-2-3)

1 (0-3-2)

3 (3-0-6)

6 CREDITS

3 (2-2-5)

3 (2-2-5)

9 CREDITS

3 (3-0-6)

3 (3-0-6)

3 (3-0-6)

15 CREDITS

Preclinical
sciences
87 credits

- Science & math
- Humanity
- Preclinical
- Medical selective
- Free elective
- Language
- Social sciences
- Clinical
- Biomedical research
- Individual research and thesis



KMITL curriculum – study plan

	June	July	August	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
Y1	Preparative camp for MD program @KMITL		Intro Med Profession (2), MBMB (2)				Exam & Break	Cell and Tissue Physiology (2), Research & stat (2)				Exam & Break	Bachelor of Biomedical Sciences (BBS)	Doctor of Medicine (MD)
			English Medical Profession (3)					Acad Reading Writing for Health Sciences (3)						
			Understanding Human Behavior (3)					Medical Professionalism, Ethics & Professional Law (3)						
			General Education (6) + Minor Elective (6)					General Education (6) + Minor Elective (6)						
Y2	Break	Clinical Anatomy and Medical Imaging (3)					Exam & Break	Molecular Medicine and Pharmacotherapeutics (3)				Exam & Break		
		Human Genetics,Growth & Development (4)	Body Movement & Control (MS,PNS)	Body Fluid I (Blood & CVS)	Body Fluid II (RS, kidney)	Body Energy & metabolism (GI)		Body regulation and defense [endoc rine & immuno] (4)	Sex, Gender, Reproduction and Health (4)	Brain & Mind [CNS, cognitive] (4)	Clinical epidemiology and public health (2)			
		Minor Elective (3)												
Y3	Break	Arts & Sciences of Clinical Dx (Symptomatology, Dermato and Clinical Path) (3)					Exam & Break	Evidence-based Medicine (3), Health Promotion and Prevention (1)				Research Experiences in BioMed		
		Clinical Medicine I (8 weeks): ID(3)/ AI R(3)/ Endoc rine(2)		Clinical Medicine II (12 weeks): Cardiology(3)/ Pulmonology(3)/ Nephro-GU(3)/ GI-Hepato(3)				Clinical Medicine III (12 weeks): Neuro(3)/Psych(3)/Hemato(2)/Onco(2)/Geriatric (2)		Integrated BioMedScience Comprehensive Exam & NLE1				
Y4	MSc or MEng placement	Essential Clinical Skills & Forensic Medicine	Family Medicine Clerkship (4 credits = 120 working hours)				Exam & Break	Community & Global Medicine (2 credits = 60 working hours)				Thesis proposal presentation & Break	Master of Sciences	
			Advanced Biomedical Research Subjects, Seminar and Individual Research (16 credits)					Research Selective I, II and Seminar (8 credits)		Psychiatry, Neurology, Rehab & Geriatrics (8 weeks)				
Y5	Block A: Internal Medicine, Oncology, Chronic & Palliative care (8 weeks)		Block B: Surgery, Anesthesiology Cardiology & Critical Care Medicine (8 weeks)		Block C: Ob-Gyne and Pediatrics (8weeks)		Research I	AmbuMed (including E&EN T)	A&E (Trauma, Orthopedics & Emerg Med)	Selective Clerkship I & II	NLE2, Comprehensive Exam 2	Research II		
Y6	Intro Clinical Practice in the Health Care System (2 wk)	Practicum in Internal Med	Practicum in Surgery	Practicum in Pediatrics	Practicum in OB/Gyn	Practicum in Ortho & ER	Practicum in Community Hospital	Selective Practicum (8 weeks)		Comprehensive Exam 3 & NLE3 (OSCE)	Thesis Defense & MD Graduation			

Phase 1 (Y1) = General Education

Phase 2 (Y2 & Y3) = Pre-clerkship Medical Subject

Y2 = System-based anatomy, physiology and pathophysiology
Y3 = Clinical medicine, symptom and disciplinary approach

Phase 3 (Y4) = Research

Phase 4 (Y4, Y5 & Y6) = Clinical Clerkship and Practicum

01

Are all classes taught in English?



All classes are taught in English by qualified medical doctors and instructors with international training experiences.

However, students are also required to communicate effectively in Thai when they work in the clinical settings.



02

Is MD KMITL Internationally Accredited?

Our school is listed in the World Directory of Medical Schools
(FAIMER SCHOOL ID: F0005045) and accredited by:



World Federation of
Medical Education



Institute for Medical
Education Accreditation



Thai Medical Council



03 **If I have already graduated from a Bachelor program, is it possible to transfer credits here?**



YES, but

Only from English or international program
Within the last 5 years

Must be accredited by
Thai Medical Council
or WFME

Corresponds with
subjects in Phase 1
and 2 of our
curriculum

You need to file a request of transfer within the first 6 weeks of the first semester with the official transcript and course syllabus.



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Phase 1 (Y1) = General Education

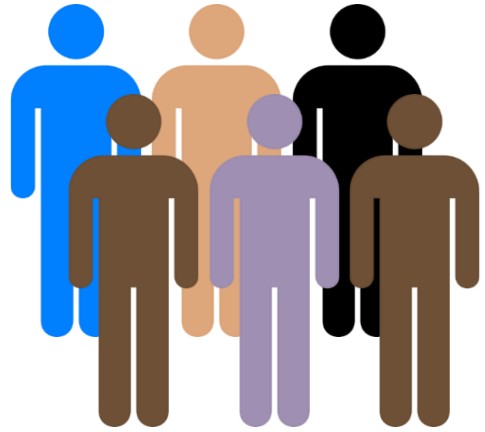
Phase 2 (Y2 & Y3) = Pre-clerkship Medical Subject

Y2 = System-based anatomy, physiology and pathophysiology
Y3 = Clinical medicine, symptom and disciplinary approach

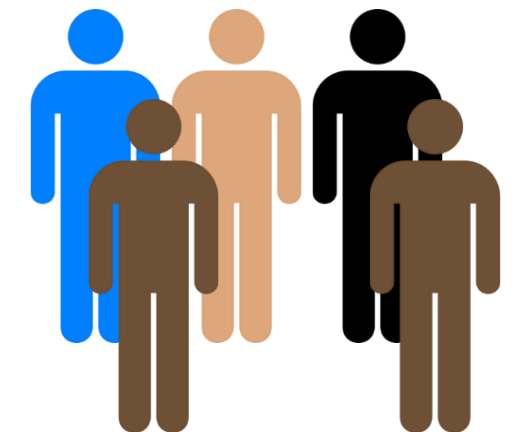
Phase 3 (Y4) = Research

Phase 4 (Y4, Y5 & Y6) = Clinical Clerkship and Practicum

KMITL graduation



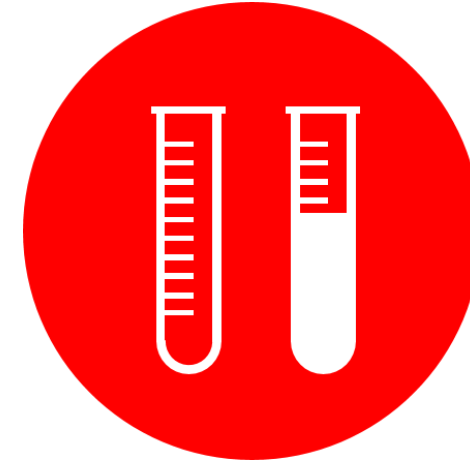
- Have studied in the program for at least twelve semesters (or at least 10 semesters with credit transfer)
- Acquire at least 247 credits and pass all subjects in the curriculum
- Have GPAX not less than 2.00 of the 4-level system
- Pass the comprehensive examinations of the Faculty of Medicine or other equivalent examinations that assess clinical competency of the students.
 - Part I (basic medical sciences)
 - Part II (clinical sciences)
 - Part III (clinical skills)
- Complete research work and thesis
- Demonstrate the achievement of professional activities in the portfolio



MD KMITL – what next after graduation?

Practicing Physician

- PGY1 – intern
- PGY2 & PGY3 in the designated position in MoPH, BMA, University and TRS

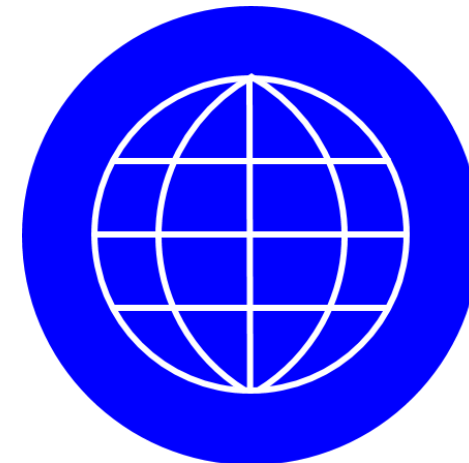


Career in Academic Medicine, Research and Innovation

- PhD in Medical and Biomedical Sciences
- Pharmaceutical and Medical Companies
- Medical Entrepreneurs

Postgraduate Study in Clinical Medicine and Specialties

- Residency Training by Royal Colleges and Thai Medical Councils
- Center of Excellence



Global health care and international medical career

- Postgraduate training abroad: US, UK, EU
- International organization

04 **If I graduate from MD KMITL, can I take the USMLE?**



Once the students graduate with an MD degree from KMITL, they can apply for the USMLE and enter the Residency matching process in the US.



King Mongkut's Institute of Technology Ladkrabang Faculty of Medicine

Thailand

[School Details](#)

[Contact Information](#)

[Program Details](#)

[Sponsor Notes](#)

The information below has been provided by the World Directory's sponsoring organizations.

Canada

- Unless indicated otherwise, Medical degrees obtained from this medical school are acceptable to the provincial/territorial medical regulatory authorities in Canada, and therefore acceptable to all medical organizations in Canada. For more information about the acceptable medical schools as defined in the Model Standards for Medical Registration in Canada [click here](#).
- À moins d'avis contraire, les diplômes de médecine de cette faculté de médecine sont acceptables aux ordres des médecins dans les provinces et territoires du Canada, et par conséquent acceptables à toute autre organisation au Canada qui œuvre dans le domaine médical. Pour plus d'information au sujet des facultés de médecine acceptables, telles que définies dans les normes modèles pour l'inscription médicale au Canada, [cliquez ici](#).

Educational Commission for Foreign Medical Graduates (ECFMG), United States of America

- Students and graduates of this medical school are eligible to apply to ECFMG for ECFMG Certification and for examination, provided that:
 - For medical school students officially enrolled in this school, the graduation years are listed below as "current".
 - For graduates of this medical school, their graduation year is included in the graduation years listed below.

Graduation Years:

2024



05

What are the chances of the graduates from our program getting into a residency training program in Thailand or abroad?

Your chances are up to your academic performance, research experiences and extracurricular activities.

It also depends on the policy of the US ECFGM, Thai Medical Council, availability and competitiveness of the individual program.

We have a strong network to assist our students to find their best-fit residency training programs.



06

**Does my son/daughter need to “ใช้ทุน”
(Compulsory 3-Year Public Service for Medical
Graduates)?**

☒ YES

We are a government university and training would greatly enhance student clinical and public health skills.



07

How do we teach our students?

We use an integrated approach:

- Lecture
- Problem Based Learning (PBL)
- Humanities focused
- Hands-on Learning
- Support in-out of the classroom



08

How many staff do we have?

2-4 : 1

2-4 Students to 1 Instructor

We have more than 40 instructors in our faculty to ensure optimal knowledge sharing. We also include many qualified visiting professors and guest lecturers to ensure the best learning experiences in each field of study.



09

Where will we have our clinical studies?



SIRINDHORN HOSPITAL



โรงพยาบาล
พระจอมเกล้าเจ้าคุณทหาร
โรงพยาบาลศูนย์วิจัยนวัตกรรมทางการแพทย์ครบวงจร



โรงพยาบาลระยอง
RAYONG HOSPITAL



โรงพยาบาลสมเด็จพระบรมราชเทวี ณ ศรีราชา สภากาชาดไทย
Queen Savang Vadhana Memorial Hospital



10

Will I have a chance to work with other fields i.e. engineering or architecture?

We encourage multidisciplinary collaborations with other faculties at KMITL and at other industrial organizations



Can the students earn a dual degree?

We have many options for medical graduates to pursue Master's Degrees within KMITL or with our collaborating institutions. Individual study plan can be arranged upon the request and the agreement with the Academic Office.



12

Will I have a chance to study abroad?

Partner Institutions:

**Carnegie
Mellon
University**

Carnegie Mellon University
USA



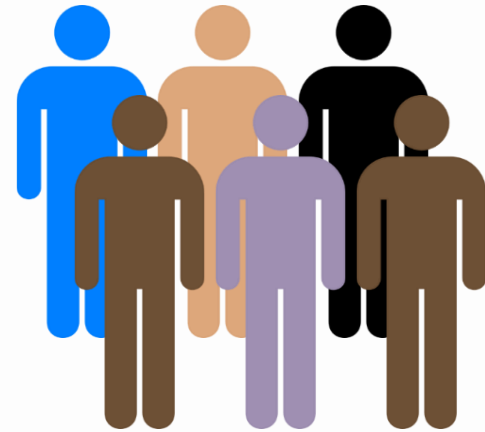
Tokai University
Japan



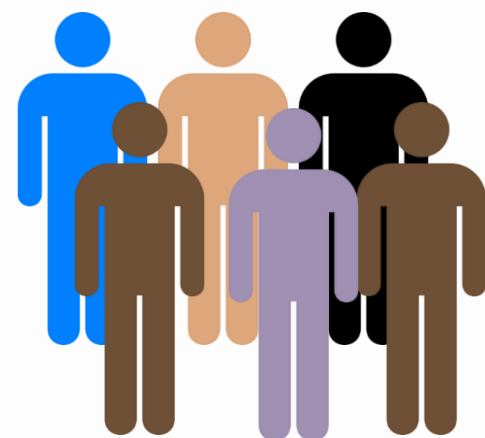
National Yang-Ming University
Taiwan



How can I apply to MD KMITL?



- Check your qualification
 - Graduated from or studying in the last year of high school system M6 (Thailand), Y12 (US), Y13 (UK)*
 - SAT II subject test > 650 in 3 subjects: 1) Biology, 2) Chemistry, 3) Physics or Math and all three combined > 2,000
 - BMAT: Section 1 and 2 > 4.0, Section 3 > 2.5C
 - TOEFL > 580 (paper), >240 (computer), > 94 (internet)
 - IELTS ≥ 7
 - CU-TEP > 90
- We also require the applicant to attach a ‘personal statement’ describing the motivation for studying medicine in our program as well as their expectations for their academic career. The length should not exceed 1000 words
 - Two letters of recommendation
 - A portfolio is optional



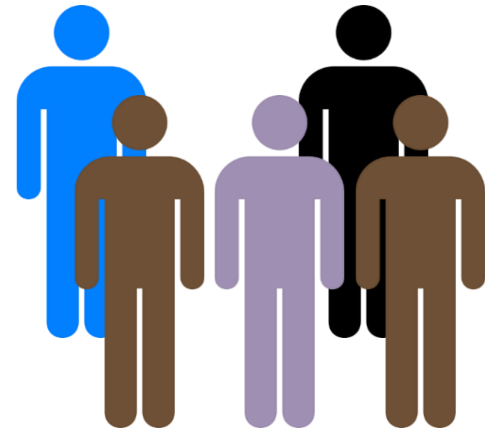
*GED will be accepted only if the score > 165 within the past 2 years

Expected date of application: **December 1, 2020 – February 12, 2021**

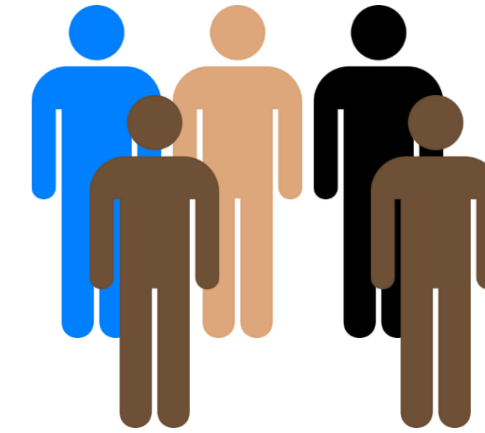
Complete your application online at www.reg.kimtl.ac.th



Tentative Schedule for Multiple Mini-interview



Round 1: January 2021



Round 2: February 2021

We will have 5 stations assessing you about: 1) Communication skills 2) Critical thinking
3) Ethical decision 4) Motivation to become a doctor 5) Concern in health and social issues
There are at least 2 examiners in each station.

Those applicants who pass the MMI need to confirm their seats through the clearing house of Thai University Central Admission System (TCAS) within the deadline of the first round (22 February 2021) or the admission to our program will be cancelled.

[Check for the update information at www.reg.kimtl.ac.th](http://www.reg.kimtl.ac.th)

How much is the tuition fee?

495,000 Baht per semester

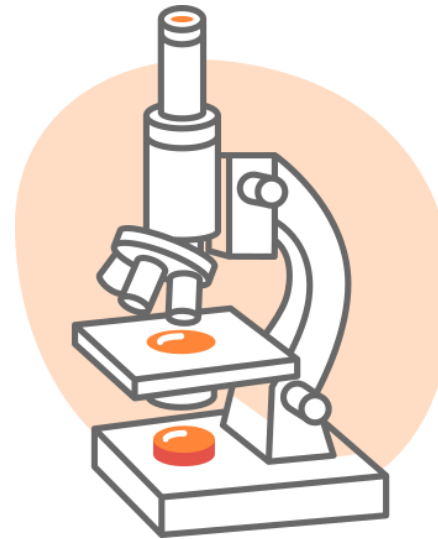
Scholarship available



What is the KMITL difference?



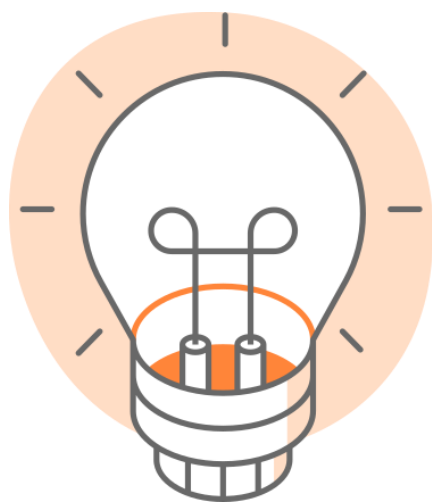
Medicine



Research



International Environment



Build and Innovate Future



Hand-On Experiences



Other Fields Application



WE ARE MD KMITL FAMILY

OPEN HOUSE
2020

Academics at MD KMITL

