



高雄醫學大學

KAOHSIUNG MEDICAL UNIVERSITY

未來高醫 引領未來

Integrity(誠信)、Internationalization(國際化)、Innovation(創新)
Intelligence(智慧)、Integration(整合)、Impact(影響力)



Welcometo KMU-CLS
International Students

College of Life Sciences
Kaohsiung Medical University, Taiwan



KMU's Affiliated Hospitals



KMU Chung-Ho Memorial Hospital



Municipal Hsiao-Kang Hospital



Municipal Ci-Jin Hospital



KMU Gangshan Hospital

Opportunities for studentships & careers in 4 reputable hospitals

KMU manages 4 reputable teaching hospitals and 2 daycare institutes that offer comprehensive and humanitarian healthcare to the people of southern Taiwan.

College of Life Sciences at Kaohsiung Medical University (KMULF):

- Department of Medicinal and Applied Chemistry (Bachelor/Master/PhD (EMI))
- Department of Biomedical and Environmental Biology (Bachelor/Master)
- Department of Biotechnology (Bachelor/Master)
- PhD Program in Life Sciences ~ EMI
- Master's Program in Medicinal Chemistry and Biotechnology ~ EMI
- Bachelor's Program in Life Sciences ~ EMI

**KMU Life Sciences
- Sciences Change Life**



KMULF Ranking – THE Ranking in Biological Sciences – Nature Index

Ranking positions 2018 to 2024

Life Sciences Ranking

2024 601-800th 2023 601-800th 2022 601-800th 2021 501-600th 2020 501-600th

| Position | Institution | Count | Share |
|----------|---|-------|-------|
| 1 | National Taiwan University (NTU) | 66 | 16.31 |
| 2 | National Cheng Kung University (NCKU) | 22 | 4.57 |
| 3 | National Tsing Hua University (NTHU) | 21 | 4.02 |
| 4 | National Yang Ming Chiao Tung University (NYCU) | 23 | 3.64 |
| 5 | China Medical University (CMU) | 15 | 2.78 |
| 6 | National Chung Hsing University (NCHU) | 7 | 1.86 |
| 7 | Chang Gung University (CGU) | 11 | 1.36 |
| 8 | Taipei Medical University (TMU) | 8 | 0.69 |
| 9 | National Central University (NCU) | 4 | 0.57 |
| 10 | National Sun Yat-Sen University (NSYSU) | 3 | 0.53 |
| 11 | Kaohsiung Medical University (KMU) | 5 | 0.30 |
| 12 | National Chi Nan University (NCNU) | 1 | 0.14 |
| 13 | National Taiwan Normal University (NTNU) | 2 | 0.14 |

Ranking in Chemistry – Nature Index

| Position | Institution | Count | Share |
|----------|---|-------|-------|
| 1 | National Taiwan University (NTU) | 90 | 32.66 |
| 2 | National Tsing Hua University (NTHU) | 72 | 26.49 |
| 3 | National Yang Ming Chiao Tung University (NYCU) | 68 | 20.42 |
| 4 | National Cheng Kung University (NCKU) | 42 | 16.01 |
| 5 | Kaohsiung Medical University (KMU) | 26 | 6.02 |
| 6 | National Sun Yat-Sen University (NSYSU) | 18 | 5.81 |
| 7 | National Taiwan Normal University (NTNU) | 18 | 5.64 |
| 8 | National Chiayi University | 8 | 3.64 |
| 9 | National Dong Hwa University (NDHU) | 6 | 3.61 |
| 10 | Tamkang University (TKU) | 15 | 3.22 |
| 11 | National Central University (NCU) | 15 | 3.17 |

QS World University Rankings by Subject 2024: Life Sciences & Medicine



KMU Life Sciences - Sciences Change Life



Namashya USR Project: Empowering Taiwan's Indigenous Communities to Reclaim Their Identity and Revitalize Their Economy

iUSR

International University Social Responsibility

The successful model created by the Namasiya USR team at Kaohsiung Medical University has been continuously expanded to 14 universities across Japan, Thailand, Malaysia, Vietnam, the Philippines, Indonesia, and India.



1. Quality Education



2. Medical Care



3. International Connections

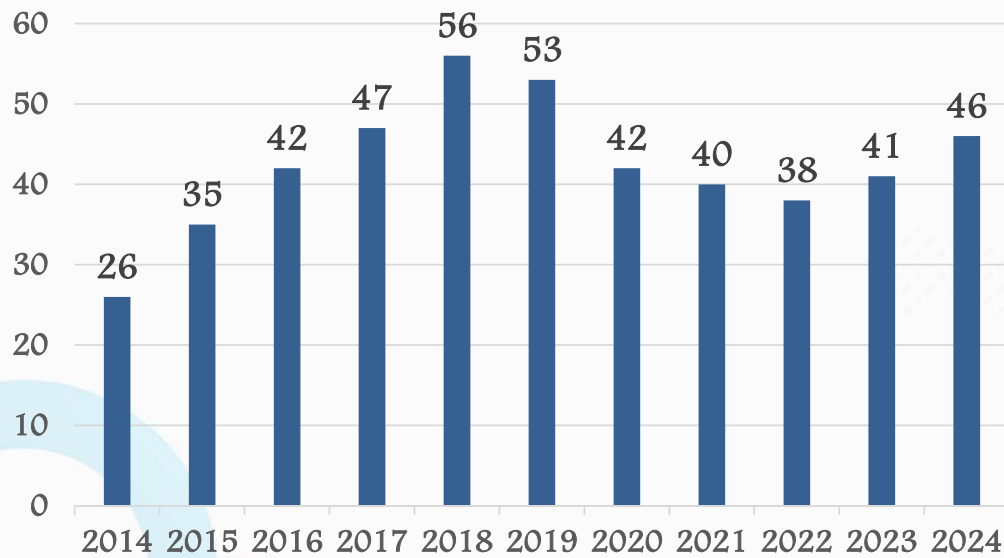


4. Regional Revitalization

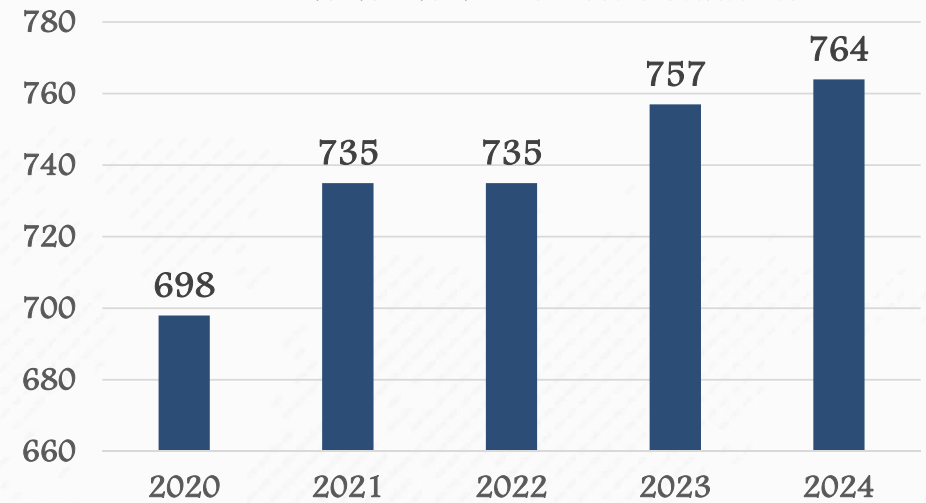


KMU Life Sciences - Sciences Change Life

2014-2024 International Students



2020-2024 Domestic Students



KMU Life Sciences - Sciences Change Life

International Alumnus from KMULF and Their Present Position

| Name | Position |
|----------------------------|--|
| Jaya Kishore vandavasi | University of Alberta, Canada |
| Balaji D. Barve | National Institute of Traditional Chinese Medicine, Ministry of Health and Welfare, Taiwan |
| Gopal Chandru Senadi | Professor, SRM University, India |
| Boominathan S. S. Kumar | Assistant Professor, Department of Chemistry, SRMV College of Arts and Science, Coimbatore, India. |
| Anand Selvaraj | The pharmaceutical company, India |
| Sri Sudewi | Professor, Department of Pharmacy, Universitas Sam Ratulangi, Indonesia. |
| Muhammad Zulfajri | Professor, Department of Chemical Education, Universitas Serambi Mekkah, Indonesia. |
| Noraya Usop Elias | Mindanao State University - Malabang Community High School, Philippines |
| Manmath Narwane | Section Chief, Ming Kun Technology Co., Ltd. Taichung Science Park, Taiwan |
| Mahendra G. Jadhao | Vontz Center for Molecular Studies, College of Medicine, University of Cincinnati, Cincinnati, Ohio, USA |
| Chon-Kit Chou | Institute of Chinese Medical Sciences, University of Macau, Macao SAR, China |
| Kuldeep Chand | Researcher, Ming Kun Technology Co., Ltd. Taichung Science Park, Taiwan |
| Venkata Sai Sashankh Penki | Postdoctoral fellow, Department of Medicinal and Applied Chemistry, Kaohsiung Medical University, Taiwan |

About the Program



- ★ Bachelor Program of Life Science
- ★ Master Program in Medicinal Chemistry and Biotechnology
- ★ PhD program in Life Sciences



Program Features



- ✓ All courses taught in English
- ✓ International faculty & multicultural classroom experience
- ✓ Interdisciplinary and hands-on curriculum
- ✓ Opportunities in Industries



Program Objective - Life Science Programs

 Our goal is...

to create an **interdisciplinary learning environment**.

to educate and cultivate students **with cross-field research abilities**.

to bring the research techniques in applied industrial areas.

to meet the high-end industrial demands.



Course Curriculum: Bridging Theory and Practice



Industrial Practice

Interdisciplinary
learning

Departments of
Chemistry,
Biology, &
Biotechnology



Theory
&
Practice

International
collaboration

Research



Taiwan Experience Education Program: **TEEP** Global Internship in Chemical Science

Department of Medicinal and Applied Chemistry, Kaohsiung Medical University (KMUC)

The TEEP@KMUC program highlights in

- (1) intern at various research labs at different fields in chemical science
- (2) exploring and handling of various advanced research equipment at KMUC
- (3) this program also offers great opportunities to continue and pursue higher education at KMUC as well as for participating students to learn Chinese and gain understating of Taiwanese culture.

Google key word: **KMUC**



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KMUC-PhD Program in Medicinal and Applied Chemistry Curriculum and Guidelines

I. Course Works

8+12= **20** Credits of Courses (*18 hr lecture class – 1 Credit by KMU)

II. Preliminary Examinations (Prelims) – 7 credits exam

(Credit Points Exams were conducted twice per semester in two chemistry disciplines – Each discipline exam can earn maximum of 2 credit points – Can get maximum of 8 points per semester)

III. English Proficiency Certificate (EPC): TOEFL, IELTS, GEPT, TOEIC or Advance English Course Certificate from KMU

IV. Pre-Qualification Oral Exam - (at least 1 SCI paper before completion of 8~10 semesters)

V. Publication Requirement – 2 SCI papers as First Author (at least 1 paper should be IF>3.5)

VI. Final Thesis Defense Oral Viva-Vice Exam (12 Credits of “Dissertation of Doctoral degree”)

**In Total: 18+7+18 Credits+EPC+2 SCI papers
6 steps to achieve your PhD degree in KMU**

I. Course Works

| Required Courses Credits - 8 | | | | | |
|--|-----------------|-----------------------------|---------------------|---------------------|---------------------|
| Courses | Credits To earn | 1 st Sem | 2 nd Sem | 3 rd Sem | 4 th Sem |
| Academic Integrity and Seminar | 2 | 1 | 1 | 0 | 0 |
| Thematic Seminar | 2 | 0 | 0 | 1 | 1 |
| Professional Practice in Chemistry | 4 | 1 | 1 | 1 | 1 |
| Special Lecture (must to earn 4 semester – 0 credit course) | 0 | 0 | 0 | 0 | 0 |
| Total | | 8 (minimum) | | | |
| Elective Courses Credits – 12 | | | | | |
| Special Topics in Advanced Inorganic Chemistry (I&II) | 4 | 2 | 2 | | |
| Special Topics in Advanced Physical Chemistry (I&II) | 2 | 2 | 2 | | |
| *Special Topics in Advanced Medicinal Chemistry | 0 | 2 | 2 | | |
| *Special Topics in Advanced Analytical Chemistry (I&II) | 4 | 2 | 2 | | |
| *Special Topics in Advanced Organic Chemistry (I&II) | 2 | 2 | 2 | | |
| Special Topics in Advanced in frontier areas of chemistry | 0 | 2 | 2 | | |
| Special Topics in Advanced Biomaterials | 0 | 2 | | | |
| Special Topics in Advanced Heterocyclic-chemistry | 0 | 2 | | | |
| Special Topics in Advanced Biochemistry | 0 | 2 | | | |
| Special Topics in Advanced Bioorganic Chemistry | 0 | 2 | 2 | | |
| Total | | 12 (minimum) | | | |
| Dissertation | | 12 (Thesis) | | | |
| Final Total | | 8+12+12 = 32 Credits | | | |

II. Preliminary Examinations

(Prelims) Credit Points Exams

- ✓ Student must to be obtained PhD Candidate's Subject Exam Points in a total of 7 Credit Points
- ✓ PhD Subject credit point exams are divided into two core disciplines:
1) Medicinal Chemistry, and 2) Applied chemistry
- ✓ Credit point exams conducted four times a year (twice per semester),
- ✓ Candidates can choose the major subject exams based on their area of interests and expertise.

Test scores are graded in four levels:

A (above 85 points= 2 points),

B (above 70 points=1 points),

C (above 60 points= 0.5 points)

Fail [less than 60 points= 0 points)

Note: Student must to be passed PhD Candidate's Qualification assessment within five academic years or ten semesters (including leave or absence during these years)

*No more Credit Points Exams for upcoming new PhD students – starts from fall 2026

III. English Proficiency Certificate (EPC):

Doctoral students need to submit at least one of the following English proficiency test certificates prior to their PhD dissertation exam:

1. **Test of English as a Foreign Language (TOEFL):** TOEFL-ITP - 500 points (or above)
TOEFL-CBT - 193 points (or above)
TOEFL-iBT - 68 points (or above)
2. **General English Proficiency Test (GEPT):** High-Intermediate level (First Stage or above)
3. **International English Language Testing System (IELTS):** 5.5 points (or above)
4. **Test of English for International Communication (TOEIC):** 600 points (or above)

***if the students fail to pass any one of the aforementioned English proficiency tests, they are required to enroll Advanced English course in KMU's Center for Languages and Culture, and pass the exam to get the certificate.**

IV. PhD Candidate's Pre-Qualification Regulations

1. Student must pass the PhD Candidate's Qualification assessment within five academic years or ten semesters (including leave or absence)
2. Student can apply for the PhD Candidate's Qualification assessment exam **only once per semester**. If a student fails in the PhD Candidate's Qualification assessment exam twice, they will need to undergo evaluations/reviews by the academic student affairs division.
3. After passing the PhD Candidate's qualification exam, doctoral students are eligible to apply for the final thesis oral defense exam to get their PhD degree.

V. Publication Requirement

Before applying for the doctoral oral defense, you must meet one of the following requirements:

For Those enrolled in the Doctoral Degree Program after the academic year 2018:

1. Publish 2 original research papers as the first author in SCI journals.
1. Publish 1 original research paper as the first author in an SCI journal with an I.F. over 3.5, or ranked the first 30% in the field.

Note: PhD candidates need to publish their original journal articles (SCI) as the first author with their full name, department and university listed in the affiliation, as well as their advisor as their corresponding author, or in the case where there is a co-advisor, one of the advisors as the corresponding author and the other among the co-authors.

Before attending your final doctoral oral defense, you have to finish the **qualification exam**:

1. You can apply for the qualification exam in the first week of every semester.
2. You need to prepare the following documents before the start of the semester: **(i). Application form; (ii). Recommendation from the advisor; (iii). Transcript; (iv). Research proposal; (v). Prelims certificate.**
3. After the school verifies and approves of your application, you should prepare for the exam.
4. If you pass the qualification exam, you shall receive a PhD qualification certificate.

After you finish taking the qualification exam, the English proficiency test, and publish your research papers, you can apply for the doctoral final defense with your advisor's approval.

For the doctoral oral defense, you should prepare the following documents:

1. Application form
2. First thesis draft
3. A hard copy of the “Turnitin” report (signed off by both the student and thesis advisor)
4. English proficiency test results
5. Doctoral candidate qualification assessment notice
6. Certificate of attendance at the final evaluation on the “Center of Taiwan Academic Research Ethics Education” website.

For further information, please contact Ms. Shufen Lin

Congratulations in advance on finishing your PhD program!

Scholarships for KMU International Students

International students applying for this scholarship must first apply for MOFA/MOE Taiwan Scholarship in their countries of origin (unless no such scholarships are available). Students receiving MOFA/MOE Taiwan Scholarships may not apply for this scholarship.

Categories:

KMU Grade-A Scholarship:

- Tuition fee waived for one academic year (2 semesters)
- Stipend from KMU-OGA: **NTD 10,000 -/per month**
- Dormitory subsidies by KMU-OGA: NTD 10,000 or 11,000 -/per semester

KMU Grade-B Scholarship:

- Tuition fee waived for one academic year (2 semesters)
- Stipend from KMU-OGA: **NTD 0 /per month**
- Dormitory subsidies by KMU-OGA: NTD 10,000 or 11,000 -/per semester

KMU Grade-C Scholarship:

- Tuition fee waived for one academic year (2 semesters)
- Stipend from KMU-OGA: **NTD 0 /per month**
- Dormitory subsidies by KMU-OGA: **NTD 0**

+

**Department/Advisor: Min.
NTD 6,000 ~ max. of
NTD 20,000-/month**

KMU-D Scholarship – CLS Performance-Based Stipend

KMU-D Scholarship – CLS Performance-Based Stipend

- Undergraduate students are eligible to apply for Types B and C
- Master's students are eligible to apply for Types A to D
- Ph.D. students are eligible to apply for Types A to D

Note: Scholarships are awarded based on budget availability of the KMU academic year, and evaluation by the Committee of International Academic Communication and CLS.

獎學金的授予取決於學年的預算狀況，並由國際學術交流委員會進行評估。

- **KMU - Type A :** (Tuition fee + Living fee + Monthly allowance - 10,000 NTD)
- **KMU -Type B :** (Tuition fee + Living fee)
- **KMU -Type C :** (Tuition fee only)
- **KMU-CLS-Type D :** (Tuition fee + Monthly allowance - 10,000 NTD)

Submit your Scholarship Renewal Application before March 11 (5 pm), 2026

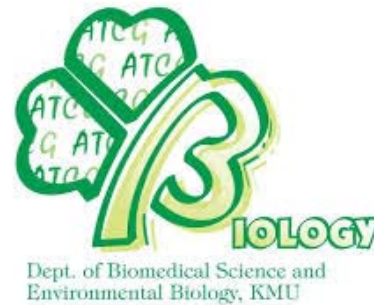
2026-2027 KMU Scholarship Renewal Application Form

2026-2027 學年 KMU 獎學金續約申請表

(KMU College of Life Science - For existing students)

(KMU 生命科學學院 - 適用於在學學生)

Thank you & welcome to build
a friendship with KMU



<https://clife.kmu.edu.tw/index.php/en-gb/>

