

Handbook for “2+4” Programme with ZJU

(for international students in BIO19 Curriculum)

1. Programme Overview

The Department of Biomedical Sciences (DBS) collaborates with Zhejiang University to launch this six-year joint programme that trains personnel in clinical medicine with biomedical background. Student is required to study two years in the BSc in Biomedical Sciences with specialization in Medicinal Science at UM followed by four years in the BMed in Clinical Medicine at ZJU. Student who completes this programme can receive one bachelor's degree from UM and one bachelor's degree from ZJU.

2. General Eligibility

The applicant should be a UM international student who has enrolled in BSc in Biomedical Sciences with specialization in Medicinal Science between the 2019/2020 academic year and the 2021/2022 academic year. The applicant has to possess an international identity, i.e. the applicant cannot possess a Macao, Hong Kong, Taiwan or Mainland Chinese identity.

3. Academic Performance for Admission

By the time of admission to the programme, the applicant should have outstanding academic standing and **MUST**:

- (1) have achieved a minimum cumulative GPA of 3.2
- (2) have passed the courses in the study plan below with good grades and
- (3) have tested out of at least one English language course in Languages and Skills.

UM Course	Credit
1st Academic Year	
HSCI1000 General Chemistry	3
HSCI1002 Introduction to Biological Sciences	3
HSCI1003 General and Clinical Biochemistry	3
HSCI1004 Biochemistry Lab	1.5
HSCI3003 Biostatistics and Experimental Design	3
Community and Peer Education	3
Free Elective: GEST2003 Exploring Chinese Medicine	3
Languages and Skills Course/Free Elective ^a	3

Languages and Skills Course: CISC1000 Information Technology Fundamentals and Practices	3
General Education Course: (GELH compulsory) GELH1000 Chinese Language and Culture	3
Free Elective: ECEN1008 Physics I	3
Free Elective: CHLL1011 Chinese for Professional Communication	3
2 nd Academic Year	
HSCI2000 Cell and Molecular Biology	3
HSCI2002 General and Clinical Microbiology	3
HSCI2004 Genetics and Epigenetics	3
HSCI3002 Immunology and Infectious Diseases	3
HSCI3004 Genomics and Bioinformatics	3
Required Elective: HSCI4003 Pharmacology and Chemical Biology	3
Languages and Skills Course/Free Elective ^a	3
General Education Course: (GEGA compulsory) GEGA1000 Macao and Chinese Civilization	3
General Education Course: (GEGA elective) GEGA1004 Global History of Medicine	3
General Education Course: (GESB compulsory) GESB1000 Ethics, Values, Law and Society	3
General Education Course: (GESB elective) Any General Education Courses in Society and Behaviour	3
General Education Course: (GEST compulsory) GEST1013 Mathematics in Modern Society	3
General Education Course: (GEST elective) GEST2002 Psychology and Health	3
Free Elective: CHLL2008 Modern Chinese Grammar and Pragmatics	3

^a If the applicant has tested out of more than one Languages and Skills Course, the applicant can apply for course exemption using the course(s) taken at ZJU to make up the required credits for free elective.

If the applicant cannot test out of the Chinese language course (CHLL1000 University Chinese), the applicant should complete the following courses:

UM Course	Credit
Languages and Skills Course / Free Elective: CHLL1000 University Chinese	3
General Education Course: (GELH elective) Any General Education Courses in Literature and Humanities	3
Free Elective: CHLL1001 Modern Chinese Language	3

If the applicant can test out of the Chinese language course (CHLL1000 University Chinese), the applicant should complete the following courses:

UM Course	Credit
General Education Course: (GELH elective) GELH1001 Chinese Languages and Chinese Communities / GELH1002 Popular Literature and Life	3
Languages and Skills Course / Free Elective: CHLL1001 Modern Chinese Language	3

4. Courses taken at ZJU

ZJU Course	Credit	Course Exemption at UM
3 rd Academic Year		
72120280 Systematic Anatomy	5	HSCI1001, HSCI2001, HSCI2003, HSCI3005
72120290 Regional Anatomy	3	
72120300 Forensic Medicine	3	
70188290 Early Exposure to Clinic	1	a
72120170 Physiology	7	HSCI2006
72120210 Pathophysiology	2.5	
72120190 Pathology	6	a
70120400 Medical Chinese I	3	a
70120080 Internal Medicine I	6	HSCI3001
70120410 Medical Chinese II	3	a
4 th Academic Year		
70120240 Surgery I	3	a
70120380 Communicable Diseases	2	a
73120030 Preventive Medicine	3	HSCI4007
73120060 Epidemiology	2	
72188020 Basic Medical Sciences Exam	1	a
70120420 Medical Chinese III	3	a
70120120 Internal Medicine II	6	a
70120090 Surgery II	4.5	a
70120110 Obstetrics & Gynecology	4.5	a
70120100 Radiology	4	a
70120430 Medical Chinese IV	3	a
5 th Academic Year		
72120130 Histology & Embryology	4.5	HSCI2005
70120390 Community Medicine	2	HSCI4006

70120180 Psychiatry	2	
70120150 Internal Medicine III	6	HSCI4008
70120160 Surgery III	4.5	a
70120140 Pediatrics	4.5	a
70120190 Neurology	2	HSCI3000
70120170 Dermatology	2	a
70120340 Clinical Training	2	a
70120220 Ophthalmology	1.5	a
70120200 Otorhinolaryngology	1.5	a
70120210 Stomatology	1.5	a
70120231 Emergency Medicine	2	a
70120440 Medical Chinese V	3	a
6 th Academic Year		
70188270 Clinical Sciences Exam	1	a
70188010 Internal Medicine Clerkship	12	a
70188020 Surgery Clerkship	8	a
70188030 Obstetrics & Gynecology Clerkship	6	HSCI4000
70188040 Pediatrics Clerkship	6	HSCI4005
70188050 Neurology Clerkship	2	a
70188150 Psychiatry Clerkship	2	a
70188140 Orthopedics Clerkship	2	a
70188070 Emergency Medicine Clerkship	2	a
70188090 Community Medicine Clerkship	2	a
70188060 Communicable Diseases Clerkship	2	a
Clerkship Elective: 70188100 Clinical Pathology Clerkship	2	HSCI4001
Clerkship Elective: 70188230 Surgical Oncology Clerkship	2	
Clerkship Elective: 70188220 Plastic Surgery Clerkship	2	HSCI4002
Clerkship Elective: 70188240 Burn Surgery Clerkship	2	
70120450 Comprehensive Clinical Skills Exam	1	a

^a The successfully completed course can be used for exempting the free elective course at UM, which is required for making up the credits because of testing out of the Languages and Skills Course(s).

5. Graduation Requirement

The enrolled student shall have successfully completed the following requirements in order to receive the BSc in Biomedical Sciences with specialization in Medicinal Science from UM and BMed in Clinical Medicine from ZJU.

Year of Study	BSc in Biomedical Sciences with specialization in Medicinal Science at UM	BMed in Clinical Medicine at ZJU
1 st	76.5-85.5	75.5
2 nd		*Transferred from UM
3 rd	39.5-45.5 * Transferred from ZJU	168.5
4 th		
5 th		
6 th		
Total Credit	122-125	244

6. Academic Advisor

If an applicant finds questions, please contact:

Prof. Hanming SHEN

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7. Remark

The relevant professional requirement to be a medical doctor in Macao is governed by Regulamento Administrativo n.º 23/2021.

The curricular arrangement may be subject to change, and student who is interested in the joint programme is encouraged to communicate with the academic advisor for updates.