

# **Bachelor of Medicine**

## **in MBBS**

### **Program Description and Curriculum Guide**

**Program Code : 100201k**

**( Course conducted in English )**

#### **I Objective**

Our objective is to bring up a group of high quality medical talents with strong clinical competence, which meets international medical health needs and international standards of medical education and comprehensive requirement for knowledge, ability and quality. Foreign students may go back to their home country or serve in a third country after graduation, so we should also take the medical needs of their home country and global requirement into consideration. They should have good professional quality, preliminary clinical ability and lifelong learning ability, master the basic knowledge, basic theory and basic skills of clinical medicine and preventive medicine. They should have international vision, understanding of Chinese Culture and Society, good professionalism and strong clinical competence. They will be high quality applied medical talents with strong clinical post competence. The specific goals are as follows:

1. Carry forward the humanitarian professional spirit, adhere to the patient-centered service concept, abide by medical ethics, respect for life, equality and love, patient first, sincere and trustworthy.
2. Master the basic theory, basic knowledge and basic skills of basic medicine, clinical medicine and preventive medicine, understand and apply the basic methods of evidence-based medicine, have the concept of disease prevention, the ability of overall clinical thinking, the ability to solve practical clinical problems, the ability of innovation, independent learning and lifelong learning.
3. Good interpersonal communication skills and team work spirit, good at coordinating and utilizing health system resources to provide reasonable health guidance and health care services.
4. International medical talents who meet the medical requirements of the country where the students

come from or the third country and can engage in medical, teaching and research work related to medical and health after returning to China or in the third country.

## **II Attributes & Competencies**

Students of this major should meet the following requirements upon graduation:

### **1. Professional ethics and comprehensive quality**

1-1 Devote themselves to human health services, love medical career and have right professional values.

1-2 Have scientific spirit, rigorous and realistic working attitude and good career ethics.

1-3 Have certain social and humanistic knowledge, systematic natural science foundation and well-trained professional skills.

1-4 Have the ability to communicate effectively with patients and its family members; have the ability to communicate with doctors, nurses and other health care professionals; have the ability to show patients and public about healthy lifestyles and disease prevention.

1-5 Have scientific spirit, rigorous and realistic working attitude, innovation and analytical critical spirit.

1-6 Establishing the legal concept of practicing medicine according to law can protect patients and their own rights and interests by law.

### **2. Knowledge**

2-1 Get hold of related knowledge and methods of the natural and social sciences and can apply it for future learning and medical practice.

2-2 Master the basic knowledge, theories and skills of preclinical medicine and clinical medicine. Have the ability of diagnosis, prevention and treatment of common diseases and frequently-occurring diseases and master the principles of its pathogenesis and clinical manifestations.

2-3 Master the basic pharmacology knowledge and the principle of rational drug use in clinic.

2-4 Master the knowledge of clinical epidemiology and related scientific experimental methods, master the principles of health education, disease prevention and screening.

2-5 Master the occurrence, development and propagation rule of infectious diseases, master the prevention principle and treatment of common infectious diseases.

2-6 Get hold of basic characteristics of traditional Chinese medicine and understand the

treatment based on syndrome differentiation.

### 3. Skills

3-1 Upon graduation, the Chinese proficiency should reach level 4 of *the Chinese Proficiency Grading Standards for international Chinese Language Education*.

3-2 Be able to collect medical history comprehensively, systematically and correctly.

3-3 Be able to conduct physical examination and mental state evaluation systematically and standardizedly, and write medical records in a standardized manner.

3-4 Be able to select and safely implement various common clinical operations.

3-5 Have strong clinical thinking and expression skills.

3-6 Have the ability of diagnosis and treatment of various common and frequently occurring diseases in internal, external, gynecology, and pediatrics.

3-7 Have the capability of diagnosis, first aid and treatment of general emergencies.

3-8 Using the principle of evidence-based medicine, the preliminary ability to verify and use evidence for clinical problems.

3-9 Be able to combine knowledge and concept of disease prevention, early detection, health care and chronic disease management into clinical practice.

3-10 Have the ability to learn independently for the whole life.

### 4. Health and Society

4-1 Have a sense of responsibility to protect and promote the health of individuals and populations.

4-2 Be able to educate patients and the public about healthy lifestyles, disease prevention, etc. Explain and evaluate health checks and precautions for general population.

4-3 Master basic Chinese knowledge and understand the general situation of China.

## III Systems

The length of study is 6 years.

## IV Discipline

Preclinical medicine、 Clinical Medicine

## V Degree Program

The degree awarded in this major is Bachelor of Medicine

## VI Degree Courses

Diagnostics, Internal Medicine, Surgery, Obstetrics and Gynecology, Pediatrics, Medical Imaging, Basic Surgery, Traditional Chinese Medicine, Dermatology and Venereology, Psychiatry, Neurology, Epidemiology, Ophthalmology, Otolaryngology, Stomatology.

## VII Course Credits&Hours

Table 1 Statistics of credit hours of various courses

| Course module               | Course category                                      | Credit | Class hours | Percent age | Theoretical credits | Theoretical hours | Experimental/practical credits | Experimental/practical class hours |
|-----------------------------|------------------------------------------------------|--------|-------------|-------------|---------------------|-------------------|--------------------------------|------------------------------------|
| General education courses   | General public compulsory courses                    | 31.5   | 592         | 12.3        | 26                  | 416               | 5.5                            | 176                                |
|                             | General public elective courses                      | 6      | 96          | 2.3         | 6                   | 96                | 0                              | 0                                  |
| Professional disciplines    | Basic subject courses                                | 95     | 1736        | 37.2        | 81.5                | 1304              | 13.5                           | 432                                |
|                             | Professional core courses                            | 62     | 1160        | 24.2        | 51.5                | 824               | 10.5                           | 336                                |
| Open and integrated courses | Professional Elective courses                        | 5      | 80          | 2           | 5                   | 80                | 0                              | 0                                  |
|                             | Cross open classes                                   | 2      | 32          | 0.8         | 2                   | 32                | 0                              | 0                                  |
| Innovation and Practice     | Innovation and Entrepreneurship Education (optional) | 2      | 64          | 0.8         | 0                   | 0                 | 2                              | 64                                 |
|                             | Practical teaching                                   | 52     | 1664        | 20.4        | 0                   | 0                 | 52                             | 1664                               |
| Total                       |                                                      | 255.5  | 5424        | 100         | 172                 | 2752              | 83.5                           | 2672                               |

## VIII Curriculum system

Table2 The arrangement of teaching activities for each semester

| Semester              | Course name                                     | Credits | Hours | Semester               | Course name                     | Credits | Hours |
|-----------------------|-------------------------------------------------|---------|-------|------------------------|---------------------------------|---------|-------|
| <b>First semester</b> | Introduction of China                           | 4       | 72    | <b>Second semester</b> | Basic Chinese II                | 4       | 64    |
|                       | Basic Chinese I                                 | 4       | 62    |                        | Physical Education II           | 1       | 32    |
|                       | Physical Education I                            | 1       | 32    |                        | Medical chemistry               | 5       | 96    |
|                       | Introduction Course of Computer Science         | 3       | 48    |                        | Cell Biology                    | 4       | 72    |
|                       | Fundamental of Computer Science and Programming | 4.5     | 88    |                        | Human Anatomy                   | 7.5     | 144   |
|                       | Advanced Mathematics B (Part I)                 | 4       | 64    |                        | General public elective courses | 2       | 32    |
|                       | Medical Physics                                 | 3       | 48    |                        | General public elective courses | 2       | 32    |
|                       | total                                           | 23.5    | 414   |                        | total                           | 25.5    | 472   |
| <b>Third semester</b> | Applied Chinese I                               | 4       | 64    | <b>Fourth semester</b> | Applied Chinese II              | 4       | 64    |
|                       | Physical Education III                          | 1       | 32    |                        | Physical Education IV           | 1       | 32    |
|                       | Histology and Embryology                        | 5       | 86    |                        | Pathophysiology                 | 4       | 72    |
|                       | Biochemistry                                    | 7.5     | 144   |                        | Medical Immunology              | 3.5     | 64    |
|                       | Human Physiology                                | 7.5     | 144   |                        | Medical Statistics              | 4.5     | 72    |
|                       | General public elective courses                 | 2       | 32    |                        | Cross-open courses              | 1       | 16    |
|                       | total                                           | 27      | 502   |                        | total                           | 18      | 320   |
| <b>Fifth semester</b> | Human Parasitology                              | 3       | 60    | <b>Sixth semester</b>  | Public Health                   | 3       | 56    |
|                       | Medical Microbiology                            | 4.5     | 84    |                        | Epidemiology                    | 2       | 40    |
|                       | Pathology                                       | 6.5     | 120   |                        | Regional Anatomy                | 3.5     | 80    |
|                       | Pharmacology                                    | 4       | 72    |                        | Drug Toxicology                 | 1       | 16    |
|                       | Cross-open courses                              | 1       | 16    |                        | Diagnostics                     | 8       | 144   |
|                       | Primary Medical Chinese A                       | 2       | 32    |                        | Medical Imaging                 | 3       | 56    |
|                       | Innovation and Entrepreneurship education       | 1       | 32    |                        | Primary Medical Chinese B       | 2       | 32    |
|                       | total                                           | 22      | 416   |                        | total                           | 22.5    | 424   |

|                          |                                           |      |     |                         |                            |      |     |
|--------------------------|-------------------------------------------|------|-----|-------------------------|----------------------------|------|-----|
| <b>Seventh semester</b>  | Basical Surgery                           | 3.5  | 72  | <b>Eighth semester</b>  | Internal MedicineII        | 6    | 108 |
|                          | Traditional Chinese Medicine              | 4    | 72  |                         | SurgeryI                   | 4    | 80  |
|                          | Internal MedicineI                        | 6    | 108 |                         | Obstetrics and Gynecology  | 6    | 108 |
|                          | Mediate Medical Chinese A                 | 2    | 32  |                         | Pediatrics                 | 4    | 72  |
|                          | Innovation and Entrepreneurship education | 1    | 32  |                         | Mediate Medical Chinese B  | 2    | 32  |
|                          | total                                     | 16.5 | 316 |                         | total                      | 22   | 400 |
| <b>Ninth semester</b>    | Dermatology and Venereology               | 3    | 56  | <b>Tenth semester</b>   | Neurology                  | 2.5  | 48  |
|                          | Psychiatry                                | 2    | 32  |                         | Infectious Diseases        | 2    | 32  |
|                          | Medical Psychology                        | 1    | 16  |                         | Ophthalmology              | 1    | 20  |
|                          | Social Medicine                           | 1    | 16  |                         | Otolaryngology             | 1    | 20  |
|                          | Forensic Medicine                         | 2    | 32  |                         | Stomatology                | 1    | 20  |
|                          | Medical Ethics                            | 1    | 16  |                         | Clinical Skills Training   | 1    | 32  |
|                          | Surgery II                                | 4    | 80  |                         | Advanced Medical Chinese B | 2    | 32  |
|                          | Advanced Medical Chinese A                | 2    | 32  |                         |                            |      |     |
|                          | Total                                     | 16   | 280 |                         | Total                      | 10.5 | 204 |
|                          |                                           |      |     |                         |                            |      |     |
| <b>Eleventh semester</b> | Clinical Practice                         | 26   | 832 | <b>Twelfth semester</b> | Clinical Practice          | 26   | 832 |
|                          | Total                                     | 26   | 832 |                         | Total                      | 26   | 832 |

## IX Guidelines

### 1. Program System

- (1) Maximum length of study    nine years
- (2) Minimum credit requirement for graduation    255.5