

# Department of Medicine, Department of Medical Sciences, Graduate School of Medicine

## **Educational Objectives**

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In line with the Educational Objectives of Osaka University, and with the determination to lead the medical society of the world, the Graduate School of Medicine aims to develop individuals with the ability to independently conduct high-level research backed by profound academic expertise developed from a broad range of perspectives, as well as a strong sense of ethics, advanced broad-based knowledge and deep critical thinking, and creativity, thereby contributing to the progress of advanced medical sciences, life sciences and healthcare, and to the health and welfare of humanity. Accordingly, the Graduate School of Medicine aims to develop individuals who meet the following objectives.

### **Cutting-edge, advanced specialized knowledge and outstanding academic expertise**

#### **Master's Degree Program in Medical Sciences**

Acquire knowledge in advanced medical sciences and public health.

#### **Doctoral Degree Program in Medicine**

Acquire specialized knowledge and outstanding academic expertise in advanced medicine.

### **Advanced broad-based knowledge and deep critical thinking**

#### **Master's Degree Program in Medical Sciences**

Acquire a strong sense of ethics and advanced broad-based knowledge and deep critical thinking to contribute to the progress of advanced medical sciences and public health.

#### **Doctoral Degree Program in Medicine**

Acquire a strong sense of ethics and advanced broad-based knowledge and deep critical thinking to contribute to the progress of advanced medical sciences and public health and the health and welfare of humanity.

### **Sophisticated international mindset**

#### **Master's Degree Program in Medical Sciences**

Develop the ability to play a leading role in the medical society of the world with an international perspective.

#### **Doctoral Degree Program in Medicine**

Develop the ability to contribute to the progress of medicine, life sciences, and healthcare and play an active role as a next-generation global leader.

### **Advanced design prowess**

#### **Master's Degree Program in Medical Sciences**

Develop the ability to identify problems affecting medicine or various other related fields in the world and address such problems using knowledge in medical sciences and the methods of natural sciences.

#### **Doctoral Degree Program in Medicine**

Develop the ability to identify problems affecting medicine or various other related fields and work in collaboration with people in various fields for problem-solving.

## **Individual educational objectives**

### **Doctoral Degree Program in Medicine**

Develop the ability to serve community healthcare to ensure healthy and high-quality lives.

## **Completion Approval/Degree Awarding Policies (Diploma Policies)**

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To develop individuals who meet its educational objectives, the Graduate School of Medicine, under the Diploma Policies of Osaka University, confers a Master's Degree in Medical Science or Public Health on students in the Department of Medical Sciences, and a Doctoral Degree in Philosophy in Medical Science on students in the Department of Medicine, who have been enrolled in the respective departments for the specified period of study, earned the stipulated number of credits, passed the review and examination, and been recognized as having outstanding knowledge and skills by achieving the following objectives.

### **Cutting-edge, advanced specialized knowledge and outstanding academic expertise**

#### **Master's Degree Program in Medical Sciences**

Acquire knowledge in advanced medical sciences and public health.

#### **Doctoral Degree Program in Medicine**

Acquire advanced knowledge in medical sciences, public health and healthcare.

### **Advanced broad-based knowledge and deep critical thinking**

#### **Master's Degree Program in Medical Sciences**

Acquire a strong sense of ethics necessary for medical studies.

Acquire a broad range of knowledge in the field of medicine.

#### **Doctoral Degree Program in Medicine**

Acquire a strong sense of ethics necessary for medical studies.

Develop the ability to understand life phenomena in an integrated manner.

### **Sophisticated international mindset**

#### **Master's Degree Program in Medical Sciences**

Acquire the basic skills to act globally.

#### **Doctoral Degree Program in Medicine**

Acquire skills to act globally.

### **Advanced design prowess**

#### **Master's Degree Program in Medical Sciences**

Develop the ability to identify problems affecting medicine or various other related fields.

Develop the ability to apply knowledge in medical sciences and public health using the methods of natural sciences and/or the humanities and social sciences.

#### **Doctoral Degree Program in Medicine**

Develop the ability to work in collaboration with people specialized in various medicine-related disciplines.

## **Teaching and Learning Policies (Curriculum Policies)**

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In line with the Curriculum Policies of Osaka University, the Graduate School of Medicine designs the curriculum to enable students to acquire advanced knowledge, techniques and skills specified in its diploma policy.

### **< Principles of Curriculum Design >**

#### **Master's Degree Program in Medical Sciences**

The master's degree curriculum of the Graduate School of Medicine consists of subjects in medicine, life sciences and healthcare, coupled with advanced Liberal Arts education subjects to develop the ability to identify problems affecting medicine and various other related fields, and advanced Global Literacy education subjects to develop basic skills to act globally. These subjects are systematically designed and provided by combining lectures, seminars or practical training as appropriate, together with high-level research guidance.

#### **Doctoral Degree Program in Medicine**

The doctoral degree curriculum of the Graduate School of Medicine consists of advanced subjects in medicine, life sciences and healthcare, coupled with a diverse range of related subjects to develop the ability to understand life phenomena in an integrated manner, and subjects to develop skills to act globally. These subjects are systematically designed and provided by combining lectures, seminars or practical training as appropriate, together with high-level research guidance.

### **< Contents and Methods of Education >**

#### **Master's Degree Program in Medical Sciences**

Acquire a broad range of basic knowledge in medicine by studying "Introduction to Medical Sciences I and II" offered as a required subject.

Acquire knowledge in advanced medical sciences and public health through lecture- and seminar-based required elective subjects.

Develop a strong sense of ethics necessary for medical studies and acquire knowledge that enables one to conduct research safely through lecture-based required subjects.

Acquire knowledge in a broad range of medical fields through lecture- and seminar-based required elective subjects.

Develop basic skills to act globally through an active-learning-style English seminar (advanced Global Literacy education subject), offered either as a required subject or as a required elective subject (depending on the degree program one is enrolled in).

Develop the ability to identify problems affecting medicine or various other fields through lecture-based and seminar-based subjects offered as required subjects (advanced Liberal Arts education subjects) or required elective subjects.

Develop the ability to apply knowledge in medical sciences and public health using the methods of natural and social sciences through research guidance by the supervisor of the laboratory one is affiliated with, offered as a required subject.

### **Doctoral Degree Program in Medicine**

Acquire advanced knowledge in medicine, life sciences and healthcare through lecture-based required elective subjects.

Develop the ability to understand life phenomena in an integrated manner through lecture-based required elective subjects.

Develop a strong sense of ethics necessary for medical studies and acquire knowledge that enables one to conduct research safely through “Orientation for Instrument” offered as a lecture-based required subject.

Develop the ability to act globally through an English seminar offered as an elective subject.

Develop the ability to work in collaboration with people specialized in various medicine-related disciplines through research guidance by the supervisor of the laboratory one is affiliated with, offered as a required subject.

### **< Academic Performance Evaluation Method >**

The academic performance of students is evaluated by assessing the level of achievement of learning goals specified in the syllabus based on examinations and reports.

Each master’s thesis and doctoral dissertation is strictly reviewed and evaluated by the student’s level of knowledge, skills and the ability to further develop and use such knowledge and skills.