Osaka University
Program for Leading Graduate Schools
Institute of Academic Initiatives
Interdisciplinary Program for Biomedical Sciences (IPBS)

Admission Policy
for Prospective Students from the Chemistry-Biology Combined Major Program (CBCMP)

♦ **About IPBS**

❒ **Curriculum**

For the students admitted through the 'Admission from the Chemistry-Biology Combined Major Program', their enrollment will begin from the second-year curriculum (see the right-hand side of the **Figure**). **The students will, hence, complete the program within 4 years**. The program offers an integrative curriculum run by highly-acclaimed faculty from the Graduate Schools of Medicine, Pharmaceutical Sciences, Engineering, Frontier Biosciences, Science, and Dentistry, as well as from the Immunology Frontier Research Center, the Research Institute for Microbial Diseases, and the Institute for Protein Research at Osaka University. Furthermore, staff from our affiliated private corporations has joined the IPBS as our faculty.

The courses are taught in English. While students carry out their dissertation research, they will enroll in lecture series in interdisciplinary biomedical sciences, laboratory rotations, international symposia organized by the students, and internships at pharmaceutical companies.

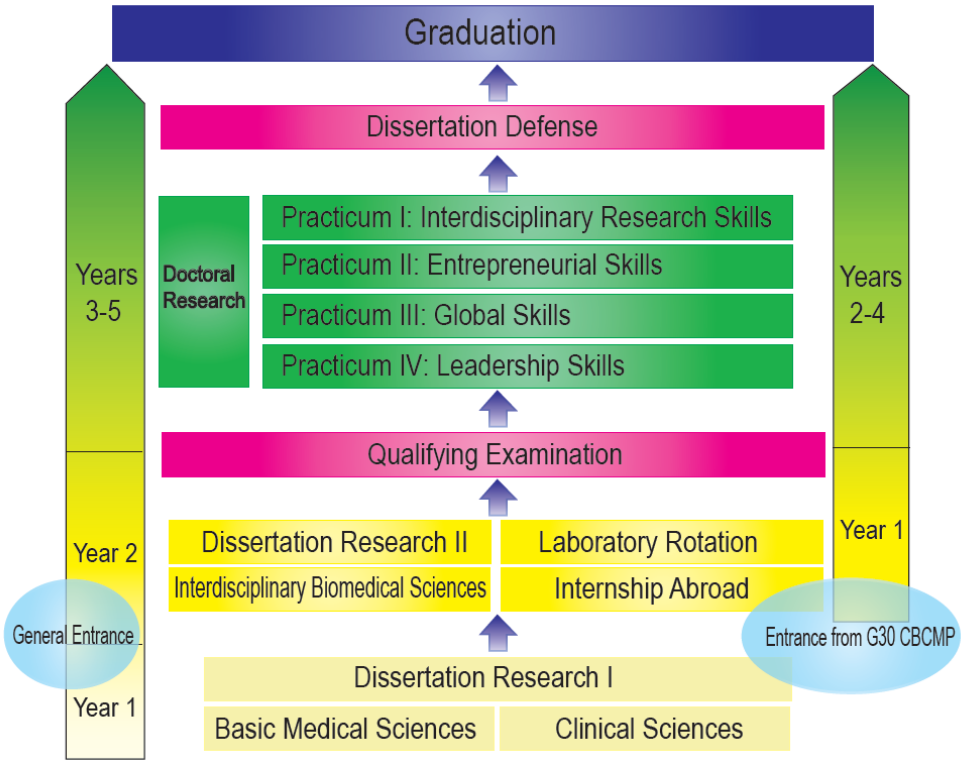

Figure: IPBS course enrollment

❒ **Degree**

At the end of Year 1, students must pass the Qualifying Examination, which consists of a written summary and an oral presentation of the undertaken research, and a PhD dissertation proposal. Upon successful pass, students advance to Year 2.

Student who completes the final PhD defense will receive a degree diploma stating: "This student has fulfilled the requirements of the Doctoral Program in Graduate School of (affiliation) at Osaka University through completion of the Interdisciplinary Program for Biomedical Sciences, and is hereby awarded the degree of Doctor of Philosophy in (field in which degree is awarded)."

♦ Student Attributes

We especially look for the qualities listed below in prospective students.

- **Strong interest** in life sciences
- **Curiosity** to explore the unknown
- **Dedication** to follow things through to their endpoint
- **Communication skills** that go beyond disciplinary boundaries

- **Flexibility** to incorporate insights from other fields rather than adhering solely to one's own field of expertise
- **International mindset** for a global living
- **Strong mentality** to overcome difficulties

♦ Graduating from the IPBS

❒ **We thrive to educate students to become:**

- Leaders who can conduct cutting-edge research on a global scale founded not only on an understanding of each body system (e.g. immune system, nervous system) but also through understanding of their functional relations to one another.
- Leaders who can make possible the development of drugs and therapeutic devices by bringing different disciplines together through collaboration with researchers from medicine, engineering, pharmacology, science, dentistry, and basic science.
- Leaders in collaborative projects with industry and government researchers who can turn lab results into bedside treatments.

❒ **Our students will acquire the following skills:**

- Comprehensive understanding of living organisms that may lead to state-of-the-art research
- Leadership in interdisciplinary collaborations that may lead to development of novel drugs and medical devices
- Skills that help bring together basic science and clinical research

Institute for Academic Initiatives

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