The Chemistry-Biology Combined Major Program (CBCMP) offers students from outside of Japan a new opportunity to gain expertise in two fundamental and interacting fields and prepares them to take on the challenge of a rapidly advancing scientific frontier. The aim of this course is to acquire fundamental knowledge and research skills for interdisciplinary research in chemistry and biology. Small class sizes are a special feature of this undergraduate course. Intensive teaching goes hand-in-hand with substantial laboratory practice using modern apparatuses and instruments.

URL: http://cbcmp.icou.osaka-u.ac.jp/

CBCMP students studying decapod anatomy

International Physics Course

Graduate School of Science

Master’s degree / Ph.D.

In this course, we provide graduate students with an education and research program conducted in English and designed so that a student can work as an active member of international collaborations in theory or experiment, for example, with large-scale facilities. Osaka University is unique in that it has its own facilities including a high-power laser and a high-energy accelerator. Students interested in condensed matter physics and other fields of physics are of course also encouraged to join the International Physics Course (IPC).

URL: http://www.rcnp.osaka-u.ac.jp/~ipc

IPC students with a guest lecturer

Human Sciences International Undergraduate Degree Program

School of Human Sciences

Bachelor’s degree

The Human Sciences International Undergraduate Degree Program is an innovative undergraduate degree program that enables students to major in one of two tightly integrated majors: Global Citizenship and Contemporary Japan. The program features highly interactive and innovative teaching with students having close contact with international professors across a wide range of human science disciplines. The program aims to cultivate internationally aware graduates able to think and act effectively both locally and globally.

URL: http://g30.hus.osaka-u.ac.jp/

Undergraduate students learning together with graduate students

Special Integrated Science Course

Graduate School of Science

Master’s degree / Ph.D.

The Special Integrated Science Course (SISC) combines aspects of three majors - chemistry, biology and macromolecular science - and involves research and education in fields where chemistry merges with biology. Aiming to have a broad-based vision, this course cultivates the capabilities, such as the ability to conduct research using advanced analytical skills, required to become a leader in natural science fields and also places strong emphasis on cultivating interdisciplinary knowledge and international communication skills.

URL: http://www.bio.sci.osaka-u.ac.jp/global30/SISC/HOME.html

Research work using data

URL: http://www.bio.sci.osaka-u.ac.jp/global30/SISC/HOME.html

Research work using data
Biotechnology Global Human Resource Development Program
Graduate School of Engineering
Master’s degree / Ph.D.

Biotechnology Global Human Resource Development Program is a five year program for master’s and doctor’s degrees which aims to expose young scientists to state-of-the-art research and in-depth knowledge of advanced biology, chemistry and physics to harness the potential of biotechnology. This program is also for students having completed the Chemistry-Biology Combined Major Program.

URL: http://www.bio.eng.osaka-u.ac.jp/gh_resour_prog/index.html

Chemical Science Course
Graduate School of Engineering
Master’s degree / Ph.D.

The Chemical Science Course (CSC) broadly covers all aspects of “Chemistry,” the center of science, and is intended for postgraduate students who are candidates both master’s and doctoral degrees. “Chemistry” provides a broad spectrum of information and provides indispensable basis that underlies our materials society, and the keys for the future of society. Advisors can tailor the course requirements to best prepare each student for their chosen field of research.

URL: http://www.chem.eng.osaka-u.ac.jp/appl/eng/CSC_e/index_e.html

Quantum Engineering Design Course
Graduate School of Engineering
Master’s degree / Ph.D.

The “Quantum Engineering Design Course (QEDC)” aims to equip the new generation of young scientists with cutting edge research skills necessary to anticipate and adapt to the ever-changing needs of the society, and a broad perspective of Science, Technology, and Society. These should enable them to: elucidate emergent material functions, based on a fundamental, microscopic-level understanding of the natural phenomena involved (QUANTUM); realize a new generation of functional materials and devices (ENGINEERING); and propose novel alternative materials and technologies, for applications such as fuel cells and solar cells, among others, that are energy efficient and environmentally friendly (DESIGN).

URL: http://www.dyn.ap.eng.osaka-u.ac.jp/QEDC/home.html

International Program of Maritime and Urban Engineering
Graduate School of Engineering
Master’s degree / Ph.D.

The aim of this program is to nurture young scientists who will be able to lead internationally a new academic field of new maritime and urban engineering, with emphasis placed on the prevention of natural disasters, protection of the marine and urban environment, development of new energies and energy-saving technologies, and synthesized design of space, ocean and land. Lectures in the program are specially designed for students to be professional in maritime and urban engineering, and will be delivered in English.

URL: http://maritime-urban.naoe.eng.osaka-u.ac.jp/
Non-Degree Programs for Exchange Students

Osaka University has academic exchange agreements with a large number of universities in other countries and regions and accepts exchange students from those universities on a regular basis. The following non-degree seeking programs are tailored for exchange students from partner universities.

**OUSSEP (Osaka University Short-term Student Exchange Program)**

OUSSEP provides liberal arts subjects to international students in English. Students may take elective Japanese classes and also an Independent Study Course. Students have the choice of participating in the program for two semesters (a full-year OUSSEP) or one semester only (a half-year OUSSEP).

**FrontierLab@OsakaU**

FrontierLab@OsakaU is a program designed to cultivate creative competencies in students by offering a wide range of potential research directions and emphasizing hands-on laboratory experience. It is specifically created for international students seeking a challenging, short-term upgrade of vital research and analytical skills both at the undergraduate and graduate levels.

For the information on the exchange programs taught in Japanese or focused on language study, please refer to our website.

URL: http://www.osaka-u.ac.jp/en/international/inbound/exchange_program