Master's Course

The ideal student profile of Okayama University is an individual who has the practical ability to proactively tackle difficult issues, the ability to explore issues, the ability to learn from differences, systematic and basic expertise, and the habit of learning on their own based on an interest in familiar phenomena. With such human resources in mind as a base, the Division of Environmental, Life, Natural Science and Technology (Master's Course) seeks the following students.

Doctor's Course

The purpose of Okayama University is "building up a new paradigm for a sustainable world (creating and establishing a new paradigm as an institution of higher learning)," and its ideal student profile is an individual who can collaborate with various stakeholders around them and who possesses practical skills that lead to problem solving, the ability to explore in a logical and multifaceted way, and specialized skills that can be deeply integrated, and who can deepen their own knowledge through a wide range of learning. With such purpose and human resources in mind as a base, the Division of Environmental, Life, Natural Science and Technology (Doctor's Course) seeks the following students.

Ideal Student Profile

1. Those who are interested in the relationship between humans and nature and have a strong desire to contribute to local and international communities
2. Those who have mastered the fundamentals of their major field of study and have a strong sense of purpose to take on challenges in advanced research fields
3. Those who have a strong desire to learn and can think and act independently
4. Those who demonstrate leadership in research and have a strong desire to play an active role on a global scale
5. Those who possess a rich general education, a sense of ethics, expertise necessary for the sustainable development of civilization, and language skills to be active on a global scale
6. Those who have a strong desire to acquire advanced expertise based on scientific knowledge for the sustainable development of the global environment and the elucidation of life phenomena
7. Those who are interested in fields other than their major field of study and have a desire to acquire a wide range of knowledge and perspectives

Basic Policy for Admission Selection

The Division of Environmental, Life, Natural Science and Technology (Master's Course) looks for individuals who have basic academic skills in their major field of study as well as a flexible and logical way of thinking, judgment, and cooperative skills, and who are willing to take on the challenge of resolving new issues in their major field of study and interdisciplinary fields by learning cutting-edge academic knowledge in their major field of study and acquiring knowledge and skills with interest in other fields. Each degree program accepts a variety of students regardless of their undergraduate background by evaluating their specialized basic academic skills, thinking, judgement, expressiveness, and motivation according to the standards and weightings set for each entrance examination method Entrance Examination by Recommendation, General Entrance Examination, Entrance Examination for Adults, Entrance Examination for International Students, Overseas Selection for International Students through a written examination on specialized subjects, document screening, and an oral examination.

The Division of Environmental, Life, Natural Science and Technology (Doctor's Course) looks for the following students from all over the world: individuals who have acquired cutting-edge knowledge and skills in their major field of study as well as basic academic skills in other fields and who are highly motivated to develop science and technology dramatically and open up unknown academic fields by making full use of such knowledge and skills in an integrated manner, and who demonstrate rich creativity, unique problem-setting skills, deep insight, and high communicative skills. Through document screening and an oral examination, it selects and accepts students by evaluating their specialized basic academic skills and problem-setting and problem-solving skills according to the standards and weightings set for each degree program and entrance examination method General Entrance Examination, Overseas Selection for International Students.

Qualifications That Can Be Acquired

- Junior high school teacher's certificate (mathematics, science)
- Senior high school teacher's certificate (mathematics, science, agriculture)

Admission Information

Please check the website below for information on the entrance examinations for each degree program.

https://www.elst.okayama-u.ac.jp/en/admission/

Scholarships / Research Scholarships

Ohmoto Ikueikai Scholarship

Grant-type scholarship without repayment obligation for graduate students: A total of 80 students receive a scholarship of 1.2 million yen per year.

OU Fellowship

Grant-type scholarship for doctoral students: Approximately 20 students receive a scholarship of 1.8 million yen per year.

Scholarships from the private sector and local governments

Please refer to the list of scholarships available from various scholarship organizations, which is published every year.
https://intl.okayama-u.ac.jp/support/scholarships/list/

Graduate School of Environmental, Life, Natural Science and Technology,
Okayama University
3-1-1 Tsushima-naka, Kita-ku, Okayama 700-8530 Japan
https://www.elst.okayama-u.ac.jp/en/

Be Pioneers for the Future

Established in April 2023

OKAYAMA UNIVERSITY

Graduate School of Environmental, Life, Natural Science and Technology

Graduate School of Environmental and Life Science + Graduate School of Natural Science and Technology

Create New Value and Global Innovation

Foster human resources with complex knowledge and expertise through the integration of science, engineering, and agriculture

The Graduate School of Environmental, Life, Natural Science and Technology is a new graduate school established in April 2023. The Graduate School of Natural Science and Technology, specialized in fundamental science and applied engineering, and the Graduate School of Environmental and Life Science, specialized in environmental and food issues and the creation of a recycling-oriented society, were integrated to create this new graduate school with the aim of promoting interdisciplinary integration and creating a new academic system. To flexibly respond to problems that demand solutions in a rapidly changing modern society, we will offer a curriculum in which conventional boundaries and barriers between disciplines, years of university study, time differences, and campuses are traversed. Four new degree programs are reorganized for each of the Master's and Doctor's Courses, and students set their own curriculum according to the study models provided by each program.

Reform 1 Custom-made learning without barriers between majors

Reform 2 Cross-disciplinary approach to meet social needs

Reform 3 Program to achieve the target

School of Science
School of Engineering
School of Agriculture
School of Environmental Science and Technology
Discovery Program for Global Learners

Graduate School of Environmental, Life, Natural Science and Technology

Department of Environmental, Life, Natural Science and Technology

Degree Programs of Master's Course (4 degree programs)	Degree Programs of Doctor's Course (4 degree programs)
Innovative Chemistry	Interdisciplinary Science
Mechanical Systems and Urban Innovation Science	Innovative Chemistry
Mathematical, Physical, Electronic and Information Sciences	Advanced Science and Technology
Earth, Environmental and Life Science	Earth, Environmental and Life Science

Security (WAAP course)

Blue Planets (MC / DC)

Assisted Reproductive Medicine

Special Courses

Subprogram
- SDGs Environmental Study
- IoT and AI
- Risk Management
- Carbon Neutral

Cross-Disciplinary

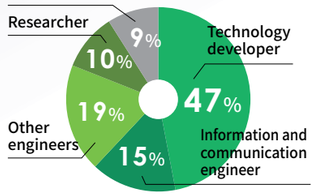
Responding to a Rapidly Changing Society

This new graduate school provides degree programs that aim to foster human resources who have developed the ability to respond flexibly to a rapidly changing society by deepening their advanced specialized knowledge and acquiring a wide range of knowledge in a cross-disciplinary manner.

Career Path

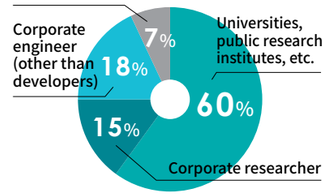
Fostering human resources who have acquired a broad perspective and flexible thinking skills to respond to rapid changes in society as well as originality and imagination to resolve complex issues and who can play an active role in a wide range of fields, such as research, education, professional fields, or public service, after graduation.

Career paths of Master's graduates



※except for those who go on to higher education

Career paths of Doctoral graduates



※except for enrollees between 2015 and 2018, those enrolled in science/engineering programs, and those whose career paths are undecided or unknown

Early Learning / Early Completion Programs

The following courses are offered: the FlexBMD course as an early learning program and the WAAP course as an early completion program, which combines early learning and early completion to enable students to complete their studies in a minimum of three years.

Degree Programs of Master's Course

Mathematical, Physical, Electronic and Information Sciences

Fostering human resources who have basic skills in the fields of mathematics, physics, information, electricity, and communication as well as the ability to develop artificial intelligence, analyze big data, and deal with quantum science, which are necessary for building a smart society (Society 5.0).

Innovative Chemistry

Fostering human resources who have advanced expertise in chemistry, which is the foundation of natural science, as well as the ability to understand the functions and properties of substances at the molecular level and precisely design and control molecules with various functions.

Mechanical Systems and Urban Innovation Science

Fostering human resources who have the ability to develop and apply engineering systems from a wide range of perspectives and manage the entire region in order to realize a smart city where all people, robots, and cities are connected through IoT and integrated with cyberspace.

Earth, Environmental and Life Science

Fostering human resources who can delve into basic academic disciplines in science, engineering, and agriculture, such as earth science, environmental science, and life science, and who can solve problems we all face, such as population and food issues, global environmental changes, and natural disasters.

Degree Programs of Doctor's Course

Advanced Science and Technology

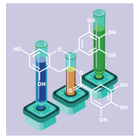
Fostering human resources who can integrate basic knowledge and problem-solving skills in the fields of mathematical and informatics science and mechanical system and urban innovation science, and who have an engineering mindset as well as a scientific way of thinking oriented toward the pursuit of truth and beauty.

Earth, Environmental and Life Science

Fostering human resources who creatively explore knowledge and truth in their major field of study in science, engineering, or agriculture and contribute to the deepening and systematization of such knowledge and truth and who work to resolve social issues through a cross-disciplinary approach that gathers and integrates academic knowledge from different fields.

Innovative Chemistry

Fostering human resources who understand various phenomena at the molecular level and explore the systematization of creative knowledge from the perspectives of multi-scale design from the molecular level to material creation and of resource and energy circulation in order to realize material conversion with less burden on the environment.



Interdisciplinary Science

Fostering human resources who have a foundation in multiple core scientific disciplines and contribute to the deepening of each academic framework and the further intensification of research in specific areas, and who open up new research areas that go beyond the framework of academic disciplines and create sources of science and technology innovation.

Special Courses

Study models for the intensive learning of particularly cutting-edge content within degree programs

Security (WAAP course)
Training "white hackers" by providing knowledge and hands-on experience about the latest malware attacks.

Blue Planets (MC / DC)
Members of the Institute for Planetary Materials and other faculty members teach the theory and practice of basic science centered on earth and planetary science.

Assisted Reproductive Medicine
Training embryologists in assisted reproductive medicine who have advanced specialized knowledge and skills in the field of assisted reproductive medicine.

Subprogram

Subject group that commonly offers non-degree and cross-disciplinary programs, focused on various social issues facing us today, to all students in this graduate school. Available for students in all degree programs. Also offered as a course completion certification program for adult recurrent students.