

UNIVERSITY OF FUKUI

For International Students

New place,
New me.



格致 KAKUCHI,
the driving force for
the future of people and society

UNIVERSITY OF
FUKUI





Destination: UNIVERSITY OF FUKUI

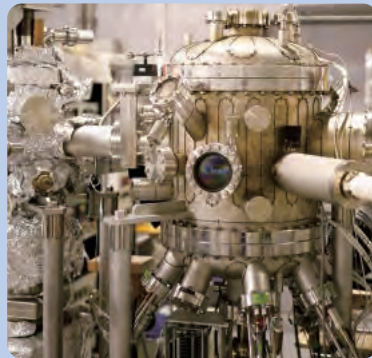


To those who are considering Japan as a place to study abroad.

Welcome to Destination: UNIVERSITY OF FUKUI. Japan is known for its beautiful nature, traditional culture, and world-class safety. It is the birthplace of manga and animation characters loved in many countries.

Within Japan, Fukui Prefecture, where you can enjoy nature, food, and culture in all four seasons, is a region that will fill you with a sense of relaxed happiness that you cannot experience in big cities like Tokyo or Osaka. A comfortable campus life awaits you here.







University of Fukui at a Glance

16 consecutive years

No.1

University of Fukui (UF) has been maintaining the No.1 employment rate among Japanese national universities with multiple schools for 16 years in a row.



Campuses

3



Students

5,003



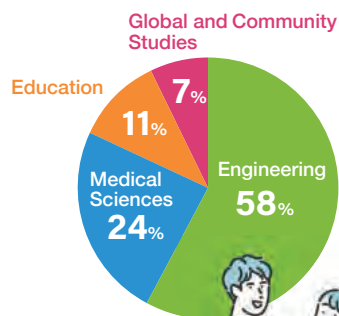
International Students

163



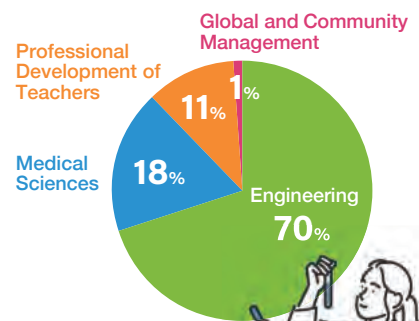
Undergraduate Students

4,022



Graduate Students

981



Overseas Partner Institutions

163

Library Collections

691,206

Faculties

617

What can you study at UF?

Education

page 6

Undergraduate Program School of Education

Teacher Education Program

Students learn knowledge and skills to become teachers mainly at elementary, middle, and high schools, as well as special-needs schools. In addition to expertise in each subject, the program also cultivates the ability to create classes that enable each child to learn independently and to face and solve problems in school education.



Medical Sciences

page 8

Undergraduate Program School of Medical Sciences

College of Medicine

The curriculum is designed to enable students to become aware of their social responsibilities as physicians from early on. College of Medicine offers 6-year integrated education with an eye toward clinical practice, including basic medicine and medical research training from the first year, and practical training in human anatomy. All faculty members effectively teach the basics of their respective specialties as well as the state-of-the-art medical care.



College of Nursing

The efficient and well-developed curriculum fosters both the ability to practice nursing in ever-evolving medical fields, and the basic skills necessary to continue learning to improve one's own qualifications. In addition to the nursing license, there are also elective courses that enable students to obtain midwifery and public health nurse licenses.



Engineering

page 14

Undergraduate Program School of Engineering

Department of Mechanical and System Engineering

Students learn a wide range of areas necessary to design machines and their components that create our future life such as production machinery and medical equipment; to process materials; and to model and evaluate computer-controlled mechanical systems.

- Mechanical Engineering Course
- Robotics Course
- Nuclear Safety Engineering Course



Department of Electrical, Electronic and Computer Engineering

Students engage in systematic study of electrical/communication equipment and information security technology to create a safe and secure society, and device technology and control systems to realize a virtuous cycle between the environment and economic growth.

- Electronics Engineering Course
- Electrical, Communications and Systems Engineering Course
- Computer Science Course

Department of Architecture and Civil Engineering

In addition to specialized fields of architecture and civil engineering, students study many issues that are newly emerging in modern society, from individual life to national land design such as urban renewal and planning, construction of environmentally harmonious living spaces, and disaster prevention and mitigation.

- Architecture and Building Engineering Course
- Civil Engineering Course

Global and Community Studies

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Undergraduate Program School of Global and Community Studies

Department of Global and Community Studies

In order to learn from both "local" and "global" perspectives, we place emphasis on three points: the will and ability to understand different cultures; the ability to know, think, and act on issues that arise in various aspects of society; and the ability to analyze and understand issues from a scientific perspective. The program offers a diverse curriculum to cultivate these abilities.



University of Fukui consists of four undergraduate schools: Education, Medical Sciences, Engineering, and Global and Community Studies. Each school is divided into some departments that specialize in fields of study; five departments in the School of Engineering and two in the School of Medical Sciences. In addition, there are four graduate schools for in-depth research and education in specialized fields, where students can earn Master's or Doctoral degrees.

Professional Graduate School

The United Graduate School of Professional Development of Teachers

This Professional Graduate School is jointly operated by three universities: University of Fukui, Gifu Shotoku Gakuen University, and Toyama University of International Studies. While already working as teachers at schools and other institutions, students can study to further deepen their practical skills and research. It is also a place where in-service teachers from different workplaces can work together.

- Course for Lesson Study and Professional Development of Teachers
- Course for Coordinator of School-based Professional Learning Communities of Teachers
- Course for Management of School Reconstruction

Master's Program Graduate School of Medical Sciences

Master of Science in Nursing

The program fosters human resources who will become leaders in the nursing profession with advanced nursing theories and skills; educators and researchers who will take on leadership roles; and those who can contribute to the international community. Students take specialized courses in Fundamental Nursing, Adult Nursing, Disaster Nursing, Community Health Nursing, Gerontological Nursing, and Maternal-Child Nursing; while the Certified Nurse Specialist (CNS) program offers courses in Disaster Nursing, Cancer Nursing, and Gerontological Nursing. The program also offers a long-term study program for students who wish to take courses beyond the standard term of study to obtain a degree.

United Graduate School of Child Development (UGCD)

This program is engaged in specialized research to elucidate children's mental problems such as autistic spectrum disorder. It is centered on the Department of Child and Adolescent Psychological Medicine in the University Hospital and Research Center for Child Mental Development, where students study scientific issues by interlocking medical care, education, and research, moving back and forth between medical care and research.

Doctoral Program

Graduate School of Medical Sciences

Integrated and Advanced Medical Course

This doctoral program is designed to foster outstanding creativity and research/development skills to succeed at a global level. Through various research projects, the program also nurtures ethical thinking and a sense of humanity, such as the judgment of right and wrong to be protected as a human being.

- Life Sciences Course: for those who wish to become a medical researcher
- Advanced Biomedical Sciences Course: for those who wish to become a clinical medicine researcher
- Comprehensive Community Medicine Course: for those who wish to become a general practitioner, ER emergency physician, family doctor

Department of Materials Science and Biotechnology

Students learn the specialized knowledge of material chemistry, which explores the structure and properties of substances and the laws involved in their reactions; biochemistry, which is the foundation of life science; and materials engineering, which deals with materials based on the laws of physics.

- Frontier Fiber and Materials Engineering Course
- Materials Chemistry Course
- Biotechnological and biomedical Engineering Course

Department of Applied Physics

Students build up the basis of science and engineering with a focus on mathematics, chemistry, and computational science, along with physics, then study applied and advanced areas of science and engineering and the latest theories in physics in practical courses and the graduation research project.

- No course division. All students study general subjects, mathematics, physics, chemistry, and experiments.

Master's Program Graduate School of Engineering

Global Engineering Program for International Students (GEPIS) is a 2-year Master's program that provides an opportunity for international students to study various fields of engineering. English is used as the primary language in teaching courses and for research supervision of the program.

- Department of Industrial Innovation Engineering
- Department of System and Infrastructure Engineering for Safe and Sustainable Society
- Department of Fundamental Engineering for Knowledge-Based Society

Doctoral Program Graduate School of Engineering

Global Engineering Program for Research and Development (GEP for R&D) is a 3-year doctoral program that aims to nurture individuals who are equipped with highly developed practical skills and capable of being industry leaders both in and outside of Japan. English is used as the primary language in teaching courses and for research supervision of the program.

- Advanced Interdisciplinary Science and Technology

Professional Degree Program

The Professional Graduate School of Global and Community Management

It is a Professional Degree Program where students study while working to obtain a Master of Global and Community Management (Professional). There are three main subject areas: understanding current situation and issues in communities and the world; specialized knowledge in strategy, organization, marketing, and corporate information necessary to develop management skills and leadership; and language (English and Chinese) and communication skills. Students participate in an overseas field training in the final (4th) semester.

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Primary Education Course

<Elementary Education Subcourse>

Track 1 (Subject exploration): Students aim to become elementary school teachers with expertise in the subjects that underpin coordinated or integrated education at elementary and junior high schools.

Track 2 (Understanding children): Students aim to become kindergarten and elementary school teachers with highly specialized skills related to child development and studying.

Track 3 (Working with schools and local community): Students aim to become elementary school teachers capable of practicing education in cooperation with the local community, thus preparing children with the means for living independently in the community.

<Special Needs Education Subcourse> Aimed at preparing teachers capable of providing specialized support for children with diverse needs.

Secondary Education Course

<Humanities and Social Education Subcourse> Aimed at preparing junior and high school teachers for teaching Japanese, English, or Social Studies.

<Science and Mathematics, Living Environment Studies Education Subcourse> Aimed at preparing junior and high school teachers for teaching Science, Mathematics, Technology, or Home Economics.

<Arts and Sports Education Subcourse> Aimed at preparing junior and high school teachers for teaching Music, Art, or Health and Physical Education.

Five Keys to Understanding the School of Education

Students learn in a more practical manner through hands-on classes and practical training

01



Network of Inquiry, a practical class program starting from the first year

On the front lines of education, teachers are required to work with a high level of expertise in extra-curricular activities in addition to academic subjects, such as periods for comprehensive studying and special activities. To facilitate activities that go beyond academic subjects, the Network of Inquiry offers a practical, hands-on program where students work on projects with children from various grades and schools in the community. Students develop leadership, and learn knowledge and skills through practical experiences to help children develop the qualities to identify challenges, learn, think, and solve problems on their own by making independent decisions.

02



Being the supportive older sibling

The Life Partner program, which supports children who are involuntarily unable to attend school, have developmental disabilities, or need individual support or accompaniment, begins in the second year. Students go to schools and homes to develop the ability to share and show compassion with children through chatting, playing, tutoring, and exercise.

School experience learning complements and enhances educational training

The following programs are available as activities that allow students to learn about the realities of the school setting and serve as an introduction to educational training. From among these, students will further improve abilities, knowledge, and attitudes necessary for teaching by engaging in planned experiential learning, taking into consideration the content of study and the timing of implementation.

Programing Learning

Collaborator: Fukui City Board of Education
Activity: Classroom teaching of programing, Observation, Team teaching

Events at the Affiliated Schools

Collaborator: Compulsory Education School, School for Special Needs Education
Activity: Work at the elementary school, junior high school, or the school for special needs education

Study Support at High School

Collaborator: Fukuiminami High School
Activity: Class observation and study support at Fukui Minami High School

Dispatch to Local Schools

Activity: Life partner, Science CST, Regional cooperation activities at schools

03



04



Long-term Educational Training where students can learn about the entire teaching profession

Educational training is a long-term curriculum that begins in the first year. The first step is to engage with the children, and grasp their level of growth, personalities, and thoughts. The curriculum and support system are designed to gradually mentor students into teachers, such as through observation and analysis of senior students' classes, lesson planning, and mock classes.

05



Various support for preparing students taking the Teacher Employment Exam

The School of Education offers an array of programs to prepare students for the Teacher Employment Exams, including lectures and study sessions on Teacher Education to prepare for the first round of the examinations, and courses on Group Discussions (conducted under the same conditions as the real examination) and Essay Writing for the second round of the examinations. Not only full-time university faculty members are in charge of guidance, but they also provide a variety of support, such as lectures on the teaching profession by actual in-service teachers.

Professional Graduate School

The United Graduate School of Professional Development of Teachers, University of Fukui, Gifu Shotoku Gakuen University, and Toyama University of International Studies

This is a consortium of three professional graduate schools that adopts a School-based System created by the University of Fukui. Graduate students with undergraduate degrees can undertake a long-term internship adjusted to the cycle of their base school, and graduate students who are in-service teachers can study at the graduate school while working, using the school they work at as their principal base. Teachers and graduate students from school sites share issues that schools are facing and conduct practical research. We train core teachers who are indispensable for tomorrow's school education and organizational management, and support learning where children take the initiative in exploring and collaborating.

<Three courses deepen practice and research aligned with the main theme>

Course for Lesson Study and Professional Development of Teachers

Emphasis is on the study of subject content and teaching material development. Students take a team approach to planning and designing cross-curricular and practical projects and putting them into practice. This course is also designed to deepen the overall duties of teachers, including how to interact with each child and special activities such as school events and student council activities.

Course for Coordinator of School-based Professional Learning Communities of Teachers

In a knowledge-based society where new knowledge, information, and technology are dramatically increasing in importance, this course is designed to train middle leaders who will play a central role in actual schools, developing and extending the humanity and abilities of diverse children, supporting their growth, and nurturing their courage to live. Teachers collaborate with each other in practice and study.

Course for Management of School Reconstruction

Active learning, team schools, community schools, improved admissions, and reform of school organizational systems. Students learn overall school management in order to improve the many issues that schools face. This course is designed for teachers who aspire to become principals, vice principals and other administrative positions who will support schools in their reconstruction phase.

Degree: Master of Education (Professional Degree)

Years of study: 2 years in principle (1 year may be allowed)

Requisite credits: Practical training at school (10 credits), general subjects (11 credits or more), school-based and inspective practice core cycle courses (9 credits or more), and electives by each course (15 credits or more) for a total of 45 credits or more

*By completing this Professional Graduate School, students will be able to convert their Type 1 license into a specialized license.

Affiliated Schools

Changes in the social structure such as globalization, declining birth rates, and diversification prompt reforms in the field of education every day. The affiliated schools and kindergarten promote practical research to enhance educational and research capabilities among faculty and staff members that go beyond the boundaries of schools and a kindergarten through cooperation and collaboration with each other. As an educational training school for universities and the United Professional Graduate School, affiliated schools also serve as places of practice for training teachers for the next generation.

Kindergarten

The kindergarten practices early childhood education that emphasizes and encourages the process where children take the initiative to interact with people, things, and events, and create and develop forms of play. It also provides an environment where children can experience the joy of interacting with their friends and time to immerse themselves in play to guide and nurture their curiosity and inquisitiveness. The kindergarten fosters a foundation for lifelong learning.

School for Special Needs Education

The School for Special Needs Education contains elementary, junior high, and senior high sections and practices a 12-year integrated program of education designed to help students live. The school promotes activities tailored to the characteristics of each child with intellectual disabilities. This includes activities that children can engage in an independent and collaborative manner toward establishing self-independence and social participation.

Compulsory Education School

The Compulsory Education School offers a nine-year integrated program of study under a consistent educational policy consisting of six years for the first-half term and three years for the second-half term. Under the school's motto of Voluntary Cooperation, all educational activities are based on collaborative inquiry-based learning. The school also aims for English language acquisition, which leads from "getting familiar with English" to "dialogue with the world."



College of Medicine

College of Medicine
Website

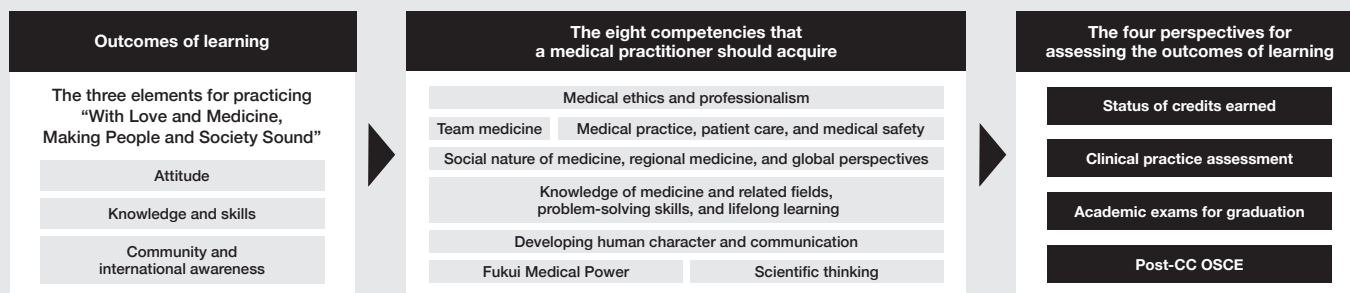


In order for students to develop a self-awareness of their social responsibilities as physicians, the College of Medicine provides an integrated six-year education for a prospective future in clinical medicine. It incorporates basic medical science from the first year and opportunities for meeting various patients. The curriculum is designed in accordance with the Basic Medical Education: Japanese Specifications, which are based on the WFME Global Standards for Quality Improvement. All teachers efficiently teach the basics and latest trends in their respective fields of expertise. Through joint lectures and practical training with students of the College of Nursing, students develop social and communication skills necessary to work collaboratively with other professionals, which is essential in clinical practice, and acquire the ability to constantly raise issues, seek a wide range of opinions explore and solve them.

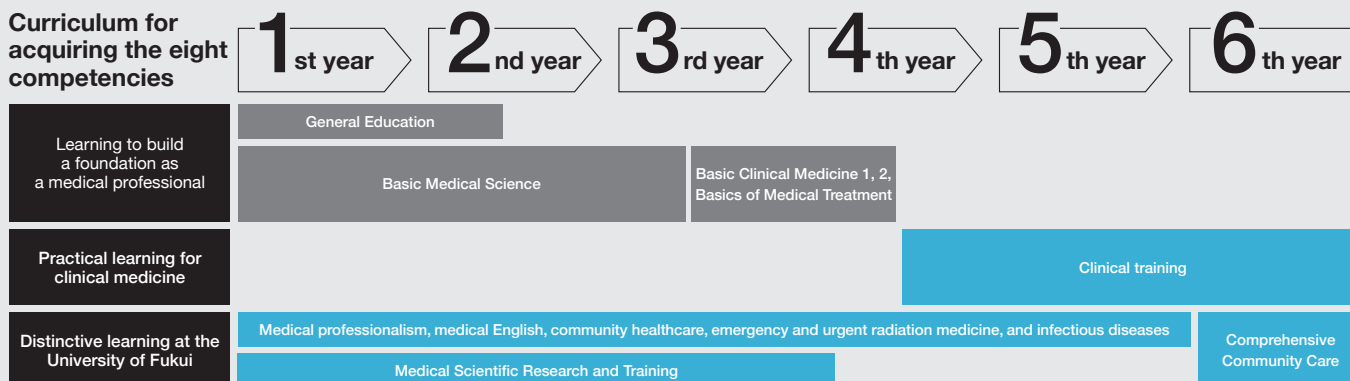
Education Program of the College of Medicine

Based on the school motto of “With Love and Medicine, Making People and Society Sound,” the College of Medicine defines outcomes as the academic results to be achieved upon graduation, and competencies as the abilities to be acquired as a doctor. The curriculum is designed to enable students to acquire these competencies.

Program and outcomes



Curriculum for acquiring the eight competencies



Distinctive Curriculum (Medical Sciences)

Medical Professionalism

In response to today’s incremental changes in medical technology and knowledge, this curriculum is structured from the perspective of professionalism: what society asks for medical doctors and how they accordingly respond to its demand. From the first year through the sixth year, medical students learn about diverse areas ranging from psychology, social responsibility, ethical and legal understandings, and collaborations with local community and multiple professions.

Medical Research Training

Conducting medical research is also essential for the development of clinical medicine. In the past, it was common for medical doctors to begin full-fledged research after their initial postgraduate training. However, The College of Medicine has introduced research-oriented courses from the first year to stimulate students’ motivation for scientific research from an early stage and to help them master research methodology. Medical students cultivate scientific mindset as they engage in multiple research projects, such as advanced research, the development of new medical technologies, and research aimed at improving community and disaster medicine.

Emergency and Radiation Emergency Medicine

From the first to the fifth year, students systematically learn about radiation, considered to be a topic of great social interest. In these courses, students learn about the effects of radiation on the human body, its application to medicine, and how to deal with radiation exposure medicine as a medical doctor from multiple perspectives. In addition, students learn from doctors who experienced medical treatment at the time of the nuclear power plant accident. As a university located in a prefecture with nuclear power plants, we aim to provide students with a wide range of skills, from clinical skills to practical risk communication skills to prepare in case of emergency.

Medical English

To contribute to the internationalization of medicine from a global perspective, the curriculum develops the necessary English language skills to enable medical students to acquire scientific and medical knowledge from media including academic papers. The Medical English courses are also integrated into the curriculum so that students can study basic English as a foreign language and medical English as a specialized subject throughout the entire period of study.

Community Medicine

In the mission, “Role of Strengths and Characteristics”, of the School of Medical Sciences states “Considering changes in social conditions such as the further aging society, our experiences in emergency medicine, and the local conditions of Fukui Prefecture where many nuclear facilities are located, the College of Medicine builds a system to develop outstanding medical leaders who will respond to the needs of the local community, by training general physicians with strong emergency medical skills and emergency radiation exposure medicine personnel, and practicing multidisciplinary cooperation.” The College of Medicine has a curriculum that provides students to study courses in regional medicine according to the medical conditions in the region, especially in Fukui Prefecture, to each academic year level.

Infectious Disease

Health care providers are expected to provide continuously advanced medical care to patients while preventing nosocomial infections. First-year students can understand the characteristics of infectious diseases including Coronavirus, and learn measures to prevent themselves from infection. Second-year students can learn the significance and techniques of PCR testing, which is essential for the diagnosis of infectious diseases. Furthermore, in their senior year, students learn coordination and skills in the medical field using ventilators and other medical simulators to prepare for clinical practice.

College of Nursing

College of Nursing
Website



Based on the essence of nursing, students will acquire the basic competencies necessary to continue learning to improve their own qualities, as well as specialized nursing and practical skills to meet the needs of an increasingly diverse society. Our efficient and well-balanced educational program is designed to facilitate students in demonstrating practical nursing skills to provide multidisciplinary team medicine in various settings. Students can learn from diverse faculty members including the College of Medicine and the on-site staff at the University of Fukui Hospital. In addition to nursing licenses, there are elective programs for obtaining midwife and public health nurse licenses.

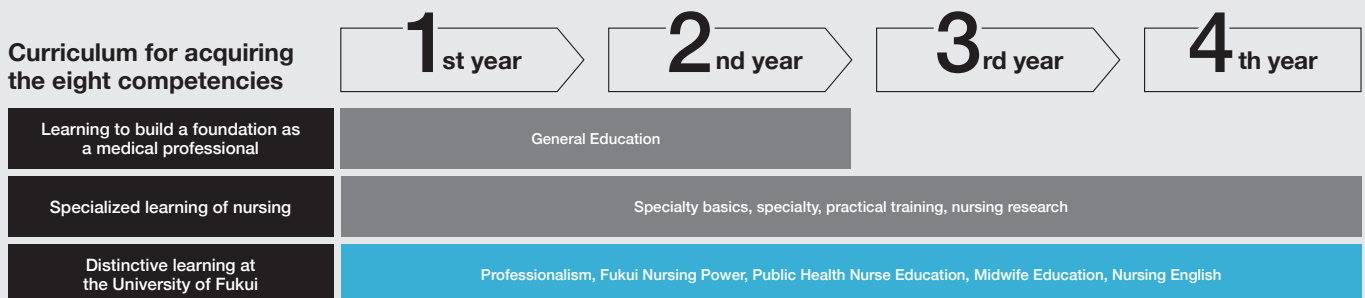
Education Program of the College of Nursing

Based on the motto of “With Love and Medicine, Making People and Society Sound,” the College of Nursing defines outcomes as the academic results to be achieved upon graduation and competencies as the abilities to be acquired as a nurse. The curriculum is designed to enable students to acquire these competencies.

Program and outcomes



Curriculum for acquiring the eight competencies



Distinctive Curriculum (Nursing)

[General Education]

Introduction to University Education Seminar

This seminar is designed to provide a smooth transition to professional learning that has not been experienced during high school education. The goal of this seminar is for students to develop the habit of “thinking” by valuing questions, and to develop the mindset of the nursing profession from an early stage and to work on their own initiative through practicum and group work.

[Professional Basic Nursing] Bioethics I and II

Aging, nursing care, and advances in leading medical technology have made it difficult to answer questions about life-related issues, including organ transplantation from brain death, euthanasia and death with dignity, prenatal diagnosis, use of fetal cells for treatment and research, infertility treatment, and regenerative medicine. This course is designed so that when you encounter these questions in the medical field, you will deepen your own thinking from logical perspectives.

[Professionalism] Career Development

In order for students to continuously deepen their understanding of the nursing profession from the time of admission, and to engage in career development while envisioning their own future career, lectures on “Introduction to Career Development” in the first year, “Career Development Methods” in the second year, and “Career Development and Professionalism” in the fourth year are provided respectively. Through these courses, students learn what career development is and how it should be addressed.

[Nursing Power in Fukui] Nursing Theory in Fukui

In this course, students learn about nursing based on understandings of the characteristics and issues of local culture and lifestyle. First-year students take “Nursing Theory in Fukui I & II” while fourth-year students take “Nursing Theory in Fukui III”. By having practicum in the same local area, fourth-year students guide first-year students; when first-year students become fourth-year students, they accordingly pass on the skills they have learned.

Clinical Practice

In addition to practical training at the affiliated hospitals and hospitals in the prefecture, students participate in “community care practice” at clinics and other community medical facilities. Students develop necessary nursing skills and preparedness by taking charge of patients and observing nurses’ work closely. Furthermore, students acquire the ability to understand patients and to collaborate as a member of a medical team.

[Nursing Research] Research Mindset

Students learn about nursing research in stages from their first year to their fourth year to cultivate a scientific mindset of inquiry necessary for scientific evidence-based nursing practice and for responding to issues in nursing. In the first year, students learn about the significance of nursing research and an overview of nursing research methods in “Research Mind.” Then, they learn about the use of nursing literature in their future studies through nursing literature reading practices.

Graduate School of Medical

Integrated and Advanced Medical Course (Doctoral Program)

Our aim is to cultivate independent researchers and clinical medicine researchers who possess outstanding research abilities and specialized skills, and general practitioners, emergency physicians, and family physicians who have the clinical research ability to contribute to society and the competence of educational leadership.



Life Sciences

In addition to instructors in the basics of medical science, this course also features instructors from the Biomedical Imaging Research Center, and involves course work built on their track records and specialties, to provide systematic education and research instruction. This course focuses not only on specialized knowledge in medical science and life sciences, but also techniques for experimentation such as gene manipulation, data processing, writing dissertations, and other work, all of which are necessary to independently conduct research.

Advanced Biomedical Sciences

This course consists of the following three sections: Oncology, Regenerative Medicine, and Medical Information in Pathophysiology. It also provides lectures and seminars in basic medicine as well as clinical medicine so that students will be able to acquire both perspectives, which contribute towards their future research.

Comprehensive Community Medicine

Students receive instruction and research guidance from medical specialists from the university's division for general and other health care services, division of emergency medicine, community medicine course, and primary health care course, as well as from other instructors in clinical and basic studies. In this course, students study an introduction to Comprehensive Community Medicine, including medical technology and other basic knowledge and education methods for community medicine.

Honors Scholarship for privately financed international students (Scholarship)

The scholarship system aims to have financial support for international students. This is for international students who enroll in the PhD course and it provides students entrance fee and half of the tuition fee (After we confirm the payment of each fee, the university will refund the money).

Introduction of an international student in the Doctoral Program

Mr. Haijiao Chen came from China and entered Graduate School of Medical Sciences as a PhD student in October 2022. He is conducting the research on molecular mechanism of carcinogenesis induced by environmental and industrial chemicals at the Department of Environmental Health. He will make a presentation on his research at the annual meeting of the Japanese Society of Hygiene in 2024.



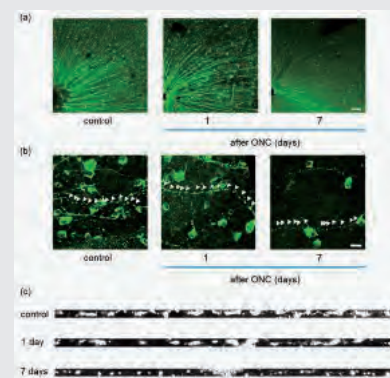
United Graduate School of Child Development (UGSCD)

Since the UGSCD Fukui was opened at University of Fukui in 2012, we have trained experts from every discipline related to early brain development working together toward happiness for individuals with neurodevelopmental disorders for 10 years.

The UGSCD has been established as graduate school for Doctor of Child Development to train expert on mental health of children based on a scientific basis. The lecturer has been selected from among experts of brain science, psychology, education and pediatrics, psychiatry that belong to the five universities such as Osaka University, Hamamatsu University School of Medicine, Kanazawa University, Chiba University and University of Fukui. All students can attend the lecture by remote system.

Research topics (Medical Sciences)

The Faculty of Medical Sciences and the University of Fukui Hospital conduct leading-edge research aiming to overcome a wide variety of diseases, including cancer, developmental disabilities, dementia, and allergic/immunologic diseases to help support a region that faces depopulation and an aging population with fewer children. In particular, our advanced research on the formation and controlling mechanisms for ion channels and cranial nerve circuits, infectious immune responses, the development of biomarkers, nerve regeneration for spinal cord disorders, and the diagnostic treatment of allergic diseases has led us to achieve outstanding results, including publications in leading journals. In addition, we conduct world-leading research on the elucidation of biological phenomena and the application to clinical medicine in collaboration with the Biomedical Imaging Research Center (see, p12) and the Research Center for Child Mental Development (see, p12). We also develop new medical technologies and conduct research to improve community medicine, achieving results shared nationwide, including town planning and the development of ideal systems for community-based healthcare to be operated mainly by the government or through cooperation between the government, medical institutions, and nursing facilities.



Mitochondria Live Imaging Approach in Disease Model (Tsuji et al., Int J Molec Sci, 2023)



Master of Science in Nursing

Philosophy and Objective:

1. **Nursing researcher who has advanced knowledge, research ability capable of carrying out and transmitting high level of medical research through a scientific / logical way of thinking.**
2. **Nurse who has practical ability to provide advanced and highly sophisticated clinical skill.**
3. **Training high quality sophisticated nurse with clinical research capability and educational leadership that can contribute to community, domestic, and international healthcare.**



Fundamental Nursing

Learn through researches nursing skills and nursing theory common to all nursing scenes.

Educational and research themes: Nurses' attitudes and behaviors about Advance Care Planning and End-of-Life care, examining the effectiveness of Tactile Care, nurses' emotional labor and sense of mental burden.

Community Nursing

Learn through researches on construction of a community care system for individuals, families, and group to lead healthy lives.

Educational and research themes: Development of an educational program for the prevention of intimate partner violence, a historical sociological study on health promotion collaboration between residents and public health nurses.

Adult Nursing / Cancer Nursing

Learn through researches about nursing care based on target understanding by exploring the life and diseases of chronically ill patients, the role of nursing in critical situations such as surgery and emergency, and the understanding and QOL of cancer patients.

Educational and research themes: Construction of a remote nursing system for patients undergoing cancer drug therapy, research on oncology nursing.

Gerontological Nursing

Learn through researches about self-care and family support for autonomy by exploring the care for maintaining our lifestyle and improving QOL based on the developmental characteristics of the elderly. Educational and research themes: Development and validity of a new model to evaluate pressure redistribution characteristics of support surfaces, development of bed sheets to prevent bedsores and skin tear in bedridden elderly people, establishment of ultrasound-based nursing methods for sarcopenia in elderly people living in the community.

Psychiatric Nursing

Learn through researches about the mechanisms by which mental problems arise from the psychological and social aspects. Based on this, students will learn how to provide nursing and medical care to subjects with mental problems.

Education and research themes: Research on resilience of patients with schizophrenia, cognitive function and lifestyle of local elderly residents.

Maternal - Child Nursing

Learn through researches from the viewpoint of women and their family life cycles such as health problems surrounding mothers and children, healthy mind and body training, and perinatal nursing care.

Educational and research themes: Investigation of the actual situation and influencing factors of breast cancer among mothers and daughters, influence of mothers' feelings and intentions regarding breastfeeding, exploration of the relationship between birth weight and epoxy fatty acid metabolism in the placenta.

Disaster Nursing

Learn through researches how to help disaster victims in each disaster cycle based on the health and living effects from disasters. the characteristics of the victims, and the characteristics of the activity life. Educational and research themes: Research on mental recovery process from earthquake disaster, disaster prevention education for elementary and junior high school students using MR, and support for evacuation shelters.

Nursing Career Advancement Center

Nurses, as professionals with the knowledge and skills to support the lives of every patient, need to continually improve themselves after graduating from college. The Nursing Career Advancement Center provides various activities and support for those who want to learn the latest information on nursing and medical care, relearn as a nurse, and advance the careers of new nurses, all with the aim of providing higher quality nursing care. This center has also started to provide specific medical action training for nurses. Other programs include overseas study tours to learn about nursing and medical care outside of Japan, and International Nursing Seminars where lecturers are invited from abroad.

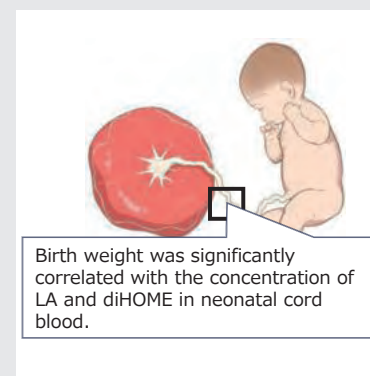
Research topics (Nursing)

Linoleic acid (LA) and LA-derived dihydroxyoctadecenoic acid (diHOME) in neonatal cord blood influence birth weight.

Low-birth-weight infants exhibit a high risk for postnatal morbidity. Cytochrome P450 (CYP) and epoxide hydrolase (EH) are involved in the metabolism of factors responsible for low-birth-weight in infants. Both CYPs and EHs have high substrate specificity and are involved in polyunsaturated fatty acid (PUFA) metabolism. The CYP pathway produces epoxy fatty acids (EpFAs), which are further degraded by soluble EH (sEH). Additionally, sEH inhibition enhances the action of EpFAs and suppresses inflammatory responses. During pregnancy, excessive activation of maternal inflammatory response is a significant factor associated with low-birth-weight. However, the association of EpFAs, which have potential anti-inflammatory properties, with the low-birth-weight of infants remains uninvestigated. Our studied the association between the umbilical cord serum EpFA and low-birth-weight using data obtained from the Hamamatsu Birth Cohort for Mothers and Children (HBC Study) by analyzing the umbilical cord blood samples.

We discovered that birth weight was significantly correlated with the concentration of LA and diHOME, and hypothesized that CYP and sEH involved in PUFA metabolism may influence the birth weight of infants.

We will validate this hypothesis in the future to provide insights regarding maternal intervention strategies required to avoid low birth weight in infants. (Umeda et al., Front Endocrinol, 2022)



Research Center for Child Mental Development [RCCMD]

Children's mental issues, such as refusing to attend school, withdrawing socially, committing crimes, and their underlying difficulties including developmental disorders, have attracted growing attention in recent years. As a result, there is a strong social need for doctors who can draw out the innermost feelings of such children and treat them from the perspective of a specialist, and also for educators who understand and provide them with appropriate care. Founded with the purpose of shedding light on children's mental as well as psychological issues and conducting research and social activities for their treatment and support, the Research Center for Child Mental Development aims to provide solutions to such issues through cooperation from Osaka University, Kanazawa University, Hamamatsu University School of Medicine, and Chiba University.



Biomedical Imaging Research Center [BIRC]



Fukui Prefecture is home to many nuclear power plants, and people in the prefecture are very concerned about radiation. Therefore, as part of the peaceful use of radiation, the Biomedical Imaging Research Center was established in 1994, focusing on the use of radiation in medical research. The Center aims to contribute to the health of the local community by promoting basic and clinical research for the diagnosis and prevention of disease by using radiation to visualize molecular signals that reflect functional changes caused by disease. New medical imaging methods developed based on this concept will play an important role in establishing new fields of science. To achieve this goal, the Center has various facilities such as a cyclotron, an automated synthesis system for the production of radiolabeled compounds, and a PET/MRI scanner, and researchers at the Center are actively engaged in collaborative research with other institutions.

Collaborative research with the Faculty of Medicine, University of Ottawa

Professor B. K. Tsang of the Faculty of Medicine, University of Ottawa Canada, and Professor YOSHIDA Yoshio of the Faculty of Medical Sciences, University of Fukui have received numerous international awards for international joint research projects and led the field of Obstetrics and Gynecology between Canada and Japan. The Faculty of Medical Sciences of the University of Fukui has concluded an academic exchange agreement and student mobility agreement with the Faculty of Medicine, University of Ottawa in 2020.

Academic exchanges continued on a regular basis even during the COVID-19 period. In March 2023, University of Fukui awarded Professor Tsang an honorary doctorate in recognition of his past achievements and contribution to the longstanding collaborations between the two institutions.



Overseas Medical and Nursing Training Programs

The University of Fukui provides various opportunities for students to experience foreign medical and nursing systems. Overcoming COVID-19, we are developing new academic exchange agreements and increasing opportunities for students to study at universities around the world. In addition, lectures and seminars by Japanese medical professionals active abroad are cultivating students' desire to learn.

Robert Wood Johnson Medical School, Rutgers, The State University of New Jersey (USA)

[Period: approximately 4 weeks]

Program content:

- Clinical rotation programs (especially in the Department of Family Medicine)
- Visits to relevant facilities to understand the U.S. healthcare system
- Interact with overseas professional healthcare workers and medical students
- PEPIS: Practical English for Professional Interaction Seminars



UK Advanced Nursing Training Program (Clinical practicum in nursing career development)

[Period: approximately 10 days]

Program content:

- Visit universities and affiliated hospitals
- Take lectures and seminars on advanced nursing systems in UK

Students will develop global perspectives in medical and nursing fields and gain experience as advanced nursing practitioners through specialized nursing practice.



Faculty of Medicine, Faculty of Nursing, Airlangga University (Indonesia)

[Period: approximately 4 weeks]

Program content:

- Conduct research on emerging and re-emerging infectious diseases at the Institute for Tropical Diseases
- Medical treatment of tropical diseases and understanding of cultural diversity
- Clinical elective programs
- Interact with overseas medical student



The University of Fukui Hospital accepts interns and residents

Opened in 1983, the University of Fukui Hospital is the only advanced treatment hospital within the prefecture, with 600 beds (general and psychiatric beds) and an average of about 1,400 patients per day. It not only supports the foundation of local medical care, but has also led Fukui's medical care as a training institution for doctors and nurses. It is the first hospital in Japan to integrate the Department of Emergency Medicine and the Department of Family Medicine, and to introduce a North American-style ER emergency system that accepts all emergency patients, from primary to tertiary emergencies. The hospital has established a new system for multidisciplinary treatment that eliminates the vertical division of departments such as internal medicine and surgery. Together with the Biomedical Imaging Research Center, which is also located in the hospital, the hospital conducts research and practices of specialized and advanced medical treatments that are difficult to provide in general medical institutions.



Up-to-Date Medical Equipment for Outstanding Medical Services

The University of Fukui Hospital introduced "da Vinci Si," a robot-assisted surgery in 2013, first in the field of urology. In surgery using "da Vinci," an endoscope is attached to each arm, surgeons manipulate the surgical instruments while watching a monitor projecting an enlarged 3D high-resolution image of the surgical field. The robot system can realize relatively easy to perform extremely meticulous and precise operations such as nerve-sparing surgery. It also reduces the burden of the patients as no laparotomy is required. Now, the indications of robot-assisted surgery are expanding rapidly to the fields of general surgery and gynecology.



Partnership Nursing System[®] (PNS[®])



The nursing system, PNS (Partnership Nursing System), was developed by the staff of the Nursing Department at the University of Fukui Hospital. Nurses work in pairs on equal footing to leverage each other's characteristics, and complement and cooperate with one another to provide safe and high-quality nursing care to patients. PNS is also practiced in nursing practical training. By sharing their results and responsibilities, nurses aim to be attentive and self-motivated, to be prompt and relevant in their care, and to maintain and manage their nursing quality. This, in turn, leads to developing cooperation, a strong organization, and a sense of satisfaction with their work.

Fukui Medical Simulation Center

The Fukui Medical Simulation Center is located within the hospital attached to the University of Fukui Hospital, and serves as the simulation center for all medical professionals in Fukui Prefecture. This center provides education using simulators that mitigate the risks of practice performed by inexperienced medical personnel, and help large numbers of medical professionals effectively gain uniform techniques for medical examinations and treatment. The simulations serve to enhance clinical training not just for students of the College of Medicine, but also students of the College of Nursing, interns, practicing physicians and nurses, and to train medical professionals who can respond to various medical needs, from community and home medical care to advanced medical care.



General Medical Care and General Internal Medicine Center

G.G.G. (Global General Good Doctor)



HAYASHI Hiroyuki, Director
(Professor, Department of Family Medicine, University of Fukui Hospital)

Commonly known as the Triple G, this is a place for students of the College of Medicine and residents to receive training in emergency medicine, home visitation, home medical care, community cooperation, and testing techniques in cooperation with 12 hospitals in Fukui Prefecture in order to train "general practitioners," or doctors who provide comprehensive medical care to patients who have been transported to emergency rooms or in areas where there are no general hospitals. This center trains physicians with strong clinical skills who can show compassion to their patients. Many learning opportunities are available, including experience in various clinical settings, study opportunities to connect with the world with a global perspective (overseas lecturer seminars), various hands-on seminars, and study sessions for multidisciplinary collaboration. Those with three or more years of experience as a physician in Fukui Prefecture can participate in the "General Dojo," which consists of case consult meetings and study sessions at 12 hospitals and other facilities in the prefecture.

Department of Mechanical and System Engineering



Department of Mechanical and System Engineering website

The mechanical and systems field is becoming increasingly sophisticated, intelligent, and precise. We develop future-minded engineers who approach cutting-edge technologies from different fields based on their specialties.

1st to 2nd year

Build a foundation for specialized subjects.

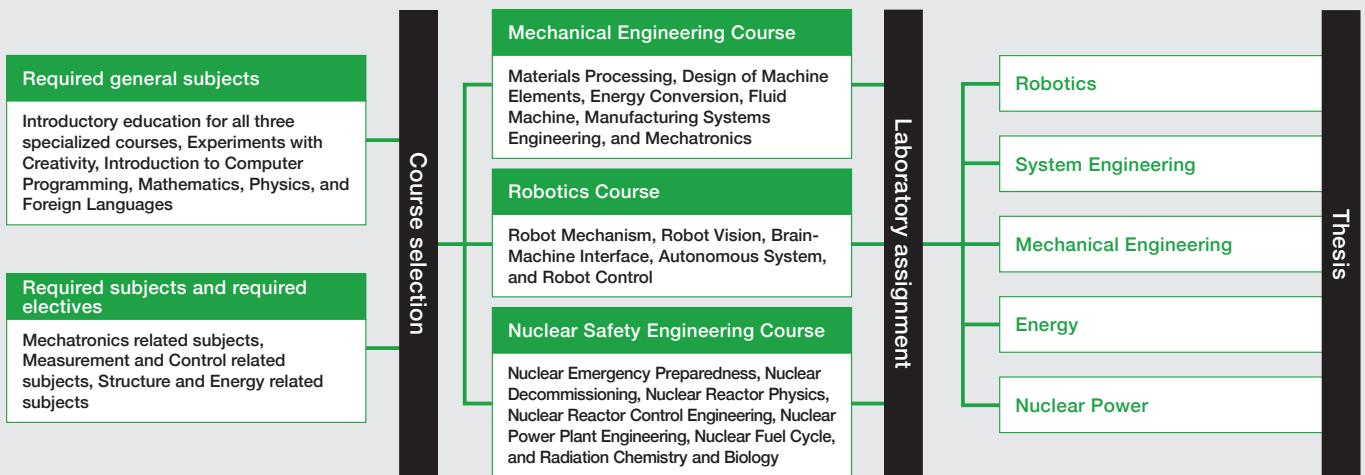
3rd year

Pursue different courses leading to specialized fields.

4th year

Further develop specialty while looking at other fields.

*Students can also take subjects in other courses.



Career path after graduation

Advance to graduate school
Possible employment opportunities

University of Fukui Graduate School of Engineering (Master's Program and Doctoral Program), and other graduate schools of engineering

Electric power companies, mechanical and electrical manufacturers, software companies, mechatronics companies, automotive industry, heavy industry companies, electrical and electronic companies, research institutions, government and public offices, etc.



Mechanical Engineering Course

The field of mechanical engineering is connected to all industrial fields. With an eye on sustainable development goals (SDGs) and other issues, students approach the key technologies of manufacturing from both hardware and software aspects in order to realize a society in harmony with the environment.

Research topics

Materials Processing, Mechanical Materials, Strength of Materials, Tribology, Nano-Functional Design, Heat Transfer Engineering, Nano-Thermal Engineering, Fire and Thermal Flow, Computational Fluid Dynamics, Refrigeration and Air Conditioning Engineering, Vibration Engineering and Acoustics, Dynamic Design, Mechanical Systems, Control Engineering, Robotics, and Mechatronics



Robotics Course

Robotics integrates the fundamentals and applications of machinery, electronics, and information. Students hone their skills in the department's Robot Laboratory and other exercise rooms, and research cutting-edge software and hardware. This course develops human resources who can create artificial intelligence (AI) and humanoids.

Research topics

Nonlinear Science, Biometrics, Brain Science, Soft Computing, Intelligence and the Body, Human Learning Systems, Robotics, Control Engineering, Knowledge Information Processing, Human Interface, Intelligent Sensing, Medical Diagnostic Support, Amusement, Optical Applied Measurement, and Material Creation Functions



Nuclear Safety Engineering Course

From the third year, students will conduct basic research based on nuclear safety at the Tsuruga Campus, utilizing the nuclear facilities in the prefecture. Students will acquire knowledge and skills that are applicable to general advanced engineering fields, including physics, mechanical engineering, and applied chemistry.

Research topics

Nuclear Power Generation, New Reactor Development, Decommissioning, Energy Security, Risk Assessment, Safety Assessment, Nuclear Disaster Prevention and Crisis Management, Nuclear Engineering, Reactor Engineering, Nuclear Fuel Engineering, Nuclear Fuel Cycle, Reactor Materials Science, Radiation Applications, Radiation Physics, Radiation Measurements, Radiation Biology, Structural Mechanics, Material Strength, and Structural Integrity Assessment

Department of Electrical, Electronic and Computer Engineering

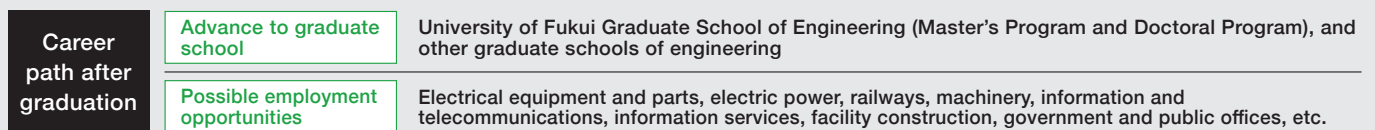
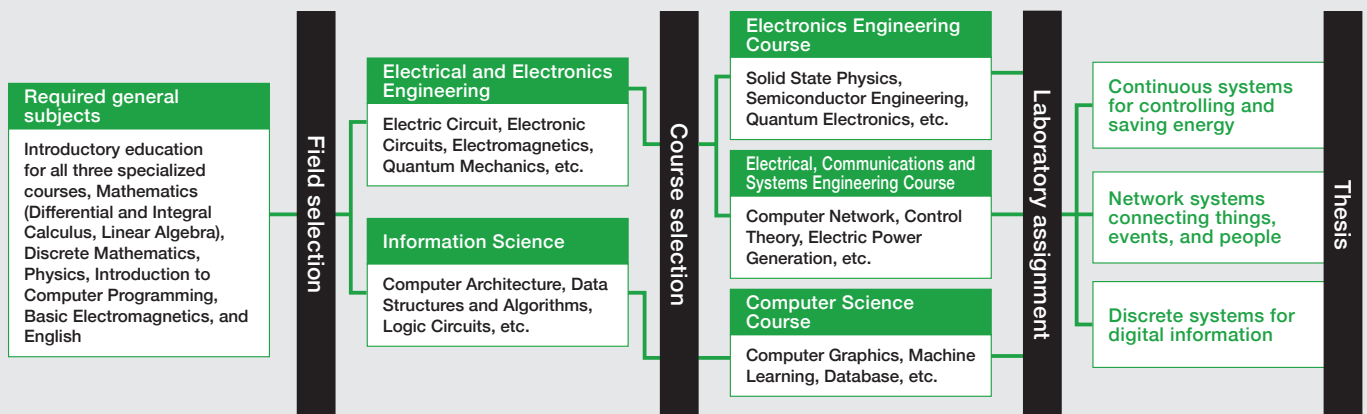


Department of Electrical, Electronic and Computer Engineering website

Electrical, Electronic and Computer Engineering (EECE) continues to be an attractive field of this century and beyond. EECE students acquire knowledge about electrical engineering, communication, information security, electronic devices, and control systems, and an ability to solve engineering problems using cross-disciplinary approaches. Students can also learn fundamental knowledge and state-of-the-art technologies, such as super-computing and quantum computing, required to achieve Society 5.0, one of Japan's national strategies.



*Students can also take subjects in other tracks and courses.



Electronics Engineering Course

Based on electromagnetism and physics, students study specialized fields such as quantum electronics, solid-state electronic theory, and semiconductor engineering. Through research in the fields of advanced electronic materials and devices, and optoelectronics, students will also cultivate the flexible creativity to contribute to cross-disciplinary projects.

Research topics

High-Quality Semiconductors for High-Efficiency Solar Cells, Research on Crystal Growth, Nanocarbon-based Materials for the Next Generation, New Functional Semiconductor Devices, Compound Semiconductor Electronic Devices, Spectroscopic Research on Terahertz Waves and Evaluation of Dielectric Properties, Optical Properties of Semiconductors, Light-Emitting Diodes Emitting Ultraviolet Light, Design and Development of High-Efficiency, High-Power Lasers for Space Photovoltaics, Design and Development of Fusion Lasers, Optical and Quantum Electronics, Solid-State Lasers, Ultrashort Pulse Laser Oscillators and Amplifiers Cutting-edge wide bandgap semiconductor devices



Electrical, Communications and Systems Engineering Course

Students study specialized fields such as information and communications engineering and system control engineering, and are trained to become engineers and researchers who can develop new materials and devices for energy conversion and develop highly efficient networks for electric power systems using natural energy.

Research topics

Fundamentals of Systems Engineering, Information and Communications Systems, Cryptography and Information Security, Electric Power Systems, Circuit and System Theory, Systems Control, Mathematical Programming and Optimization, Data Science, and Numerical Computation



Computer Science Course

The mission of the CS course is to provide the knowledge and first-hand experience of technology about safely transmitting, storing, and processing large volumes of information and for expressing and exchanging information in a way that appeals to the five human senses. The CS course views above information technology from both hardware and software perspectives, and advanced engineers produce suited to the new era.

Research topics

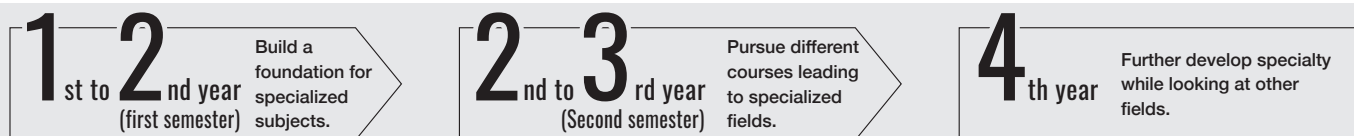
Machine Learning, AI, Networks, Wireless Communication, Supercomputing, Video Processing, Image Processing, Computer Vision, Audio Processing, ITS, Quantum Computing, Numerical Analysis, Database, and Hardware Design

Department of Architecture and Civil Engineering

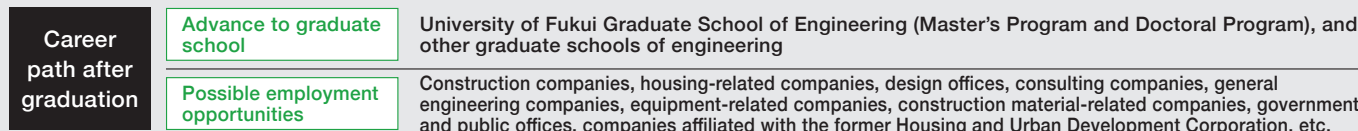


Department of Architecture and Civil Engineering website

This department, informed by the accumulation and fusion of specialized fields that are architecture and civil engineering, develops human resources with practical skills to contribute to the realization of a safe and secure social living environment. In addition to engineering perspectives, students will acquire sociological perspectives and the ability to anticipate and respond to newly emerging issues such as frequent natural disasters and changes in the social environment.



*Students can also take subjects in other courses.



Architecture and Building Engineering Course

Students gain an understanding of living spaces from various fields such as structure, materials and construction, environment and facilities, planning and design, and history and design. They also study specialized fields to pursue harmony with buildings and the humanities, society, and natural environments that surround them, and develop the ability to create new value in society.

Research topics

Seismic Resistance of Building Structures, Wooden Structures, Repair and Reinforcement Techniques for Building and Civil Engineering Structures, Development of Construction Methods and Methods for Building and Civil Engineering Structures, Concrete, History of Japanese Architecture, Architectural Design, How Spaces are Used, Spatial Psychology, Selection of Places to Live, Light Environment, Lighting, Ventilation, Air Conditioning, and Insulation and Air Tightness of Houses



Civil Engineering Course

This course provides a comprehensive study of specialized fields directly related to social infrastructure, including structure, hydraulics, geology, materials, planning, and environment. Students aim to contribute to the formation of sustainable national land and the revitalization of local communities by developing applied and practical skills to solve various issues related to the maintenance and development of social infrastructure.

Research topics

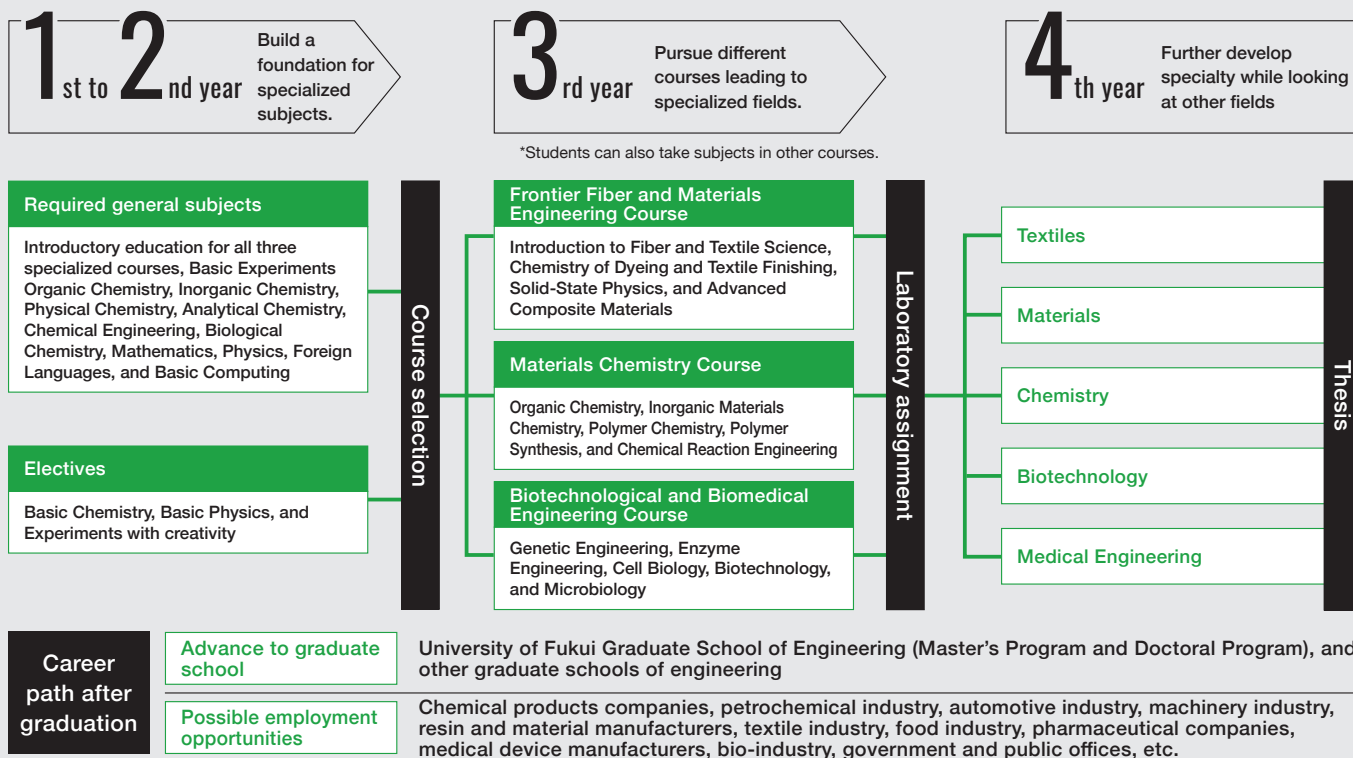
Snow and Ice Disaster Prevention on Roads, Ground Disaster Prevention, Geothermal Heat, Desalination, Earthquakes, Earthquake Resistance, Bridge Engineering, Data Science, National Land Planning, Regional Planning, Urban Planning, Transportation Planning, Residential Environment Planning, Town Development, Compact Cities, Urban Design, Vacant Houses, and Creative Management and Utilization of Low-Use/Unused Land

Department of Materials Science and Biotechnology



Department of Materials Science and Biotechnology website

This department develops human resources with advanced expertise for creating materials and products that will open up the future of fields from chemicals and textiles to automobiles, machinery, electronics, energy, food, and pharmaceuticals. Through new developments in biochemistry and biotechnology, students acquire creative abilities for envisioning the realization of a sustainable and prosperous society.



Frontier Fiber and Materials Engineering Course

Students learn a wide range of science and technology that forms the basis for processing and developing high performance fibers and materials deeply related to many different industries, such as clothing, but also automobiles, aircraft, and biocompatible fibers.

Research topics

Nanotechnology, Material Chemistry, Polymer Physics, Polymer Structure, Polymer Processing, Fiber Processing and Dyeing, Electrospinning, Sol-Gel Method, Carbon Fiber, Nanofiber, High Performance Fiber Materials, Organic-Inorganic Hybrid Materials, Biomaterials, Medical Materials, Extreme Materials, Smart Textiles, and Functional Gels



Materials Chemistry Course

Students gain in-depth knowledge of a wide range of scientific fields that form the basis for research that verifies and pursues chemical reactions and fabrication processes, and the basis for the development of new chemical products and environmental technologies.

Research topics

Organic Synthesis, Polymer Synthesis, Surface Chemistry, Emulsification, Reaction Mechanisms, Molecular Recognition, Organocatalysts, Green Chemistry, Environmentally Friendly Organic Reactions, Photoreactions, Radical Polymerization, Instrumental Analysis, Environmental and Food Analysis, Measurement and Simulation, Automotive Catalysts, Next Generation Batteries, Biodegradable Plastics, Precious Metal Recycling, Electrode Materials for Environmental Purification, Physiologically Active Substances, Plating, and Gas Separation Membranes



Biotechnological and Biomedical Engineering Course

Students study in depth a wide range of knowledge and technologies related to biotechnology, from the analysis of life phenomena at the genetic level to genome editing and industrial production of naturally occurring effective substances.

Research topics

Biotechnology, Protein Engineering, Epigenetics, Systems Biology, Synthetic Biology, Bioinformatics, Neural Networks, Genes, Genome Editing, Bioenergy, Biosensors, Bio Batteries, Biopharmaceuticals, Bioactivity, Mushrooms, Microorganisms, Natural Polymers, and Silk

Department of Applied Physics



Department of Applied Physics website

Through the joy of learning physics, which is the foundation of modern science, this department develops human resources who learn by going back to the basics and look at the broad picture of things, and have acquired a habit and abilities for logical thinking. Students will also acquire the ability to apply and develop physics-based science even under limited resources and conditions.



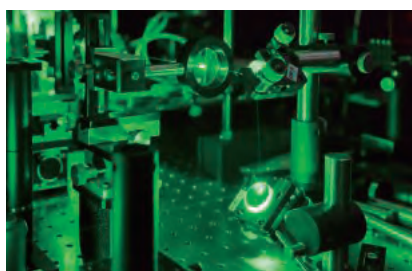
In addition to basic education subjects (English, etc.), students will study a wide range of natural science fields systematically, from common to basic to practical. They will also conduct experiments, exercises, and research.

For graduation research, students can choose from many laboratories (in each field of the department as well as in courses, centers, and institutes with which the department has cooperative relationships).

General	Introductory Academic Life Seminar, etc.	Introduction to Computer Science, etc.	English for Science and Technology, etc.	Laboratory assignment	Thesis
Mathematics	Linear Algebra, Differential and Integral Calculus, etc.	Applied Mathematics, etc.			
Physics	Introduction to Applied Physics, Mechanics, etc.	Analytical Mechanics, Quantum Mechanics I, Electricity and Magnetism, Thermodynamics, etc.	Electric and Electronic Circuits Quantum Mechanics II, Statistical Mechanics, Solid State Physics, etc.		
Chemistry		Fundamentals of Chemistry	Physical Chemistry, etc.		
Experiments	Physics Experiment	Applied Physics Experiment I	Applied Physics Experiment II and III		
					Mathematical and Quantum Sciences (Theoretical Physics and Mathematics) Solid-state and Electromagnetic Physics (Experimental Physics) Molecular Science (Chemistry) Collaborating laboratories

Career path after graduation	Advance to graduate school	University of Fukui Graduate School of Engineering (Master's Program and Doctoral Program), and other graduate schools of engineering
	Possible employment opportunities	Automotive and machinery related companies, heavy electric machinery related companies, chemical and materials related companies, information and communications related companies, high school teachers, etc.

Features of the Department



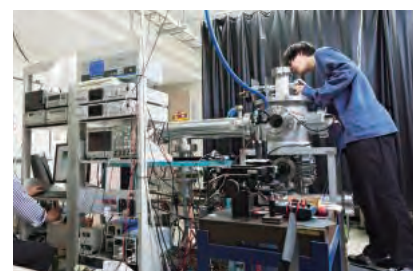
Thinking about applications in engineering

This department does not offer courses, but rather offers basic studies in the natural sciences such as physics, mathematics, and chemistry, and uses these subjects to explore the microscopic structure and extreme conditions of matter. Both lectures and experiments include many basic and applied topics.



Dealing with a wide range of natural science fields

This department aims to innovate by linking the fundamentals of physics, such as quantum mechanics and statistical mechanics, to new industrial technologies. In addition to the physics theory and experiments, students can also work on computer simulations and problems related to the environment, nuclear power, and far-infrared light.



Unrestricted experimental space

At the Physics Museum, a pre-lab where undergraduates can freely conduct experiments and research as an extracurricular activity, students have access to a room with laboratory equipment and materials to work on experiments on their own themes of interest.

Research topics

Geometry, Representation Theory, Particle Theory, Quantum Theory of Gravity, Nuclear Physics Theory, Nuclear and Particle Physics Experiments, Dark Matter and Neutrinos, Solid-state Physics, Condensed Matter, Atomic, Molecular, and Optical Physics, Optical Properties, Magnetic Physics, Interface Physics, Physical Chemistry of Polymers, Computational Physics, Polymer Synthesis, Terahertz Wave Engineering, Radiofrequency Engineering, Far-Infrared and Ultralow Temperature Properties, Plasma Science and Engineering, First-Principles Calculation, Spin Resonance Measurement, Ultralow Temperature Properties, Radiation Measurements, Chemical and Biological Effects of Radiation, and Nuclear Materials

Research Institute of Nuclear Engineering

Tsuruga Campus

Nuclear Safety Engineering Course in the Department of Mechanical and System Engineering System and Infrastructure Engineering for Safe and Sustainable Society (Master's) and Advanced Interdisciplinary Science and Technology (Doctoral) in the Graduate School of Engineering

Fostering future leaders in Comprehensive Advanced Engineering

“The Research Institute of Nuclear Engineering (RINE)” serves as an international hub for nuclear engineering that conducts fundamental research on nuclear energy, including research on nuclear plant safety, disaster prevention, accident management, radiation protection, and decommissioning. The field of nuclear engineering is a comprehensive advanced engineering discipline that include numerous fields related to nuclear reactors, including physics, mechanical engineering, applied chemistry, civil engineering and architecture, and control and information processing.

Education

The Nuclear Safety Engineering Course was established in the Department of Mechanical and System Engineering in the School of Engineering to respond to the regional characteristics of Fukui Prefecture, where many nuclear facilities are located, as well as to international needs, including Japan's energy problems and global environmental problems. This course provides consistent education and research programs in undergraduate and graduate schools. From the third year, undergraduates learn the specialized subjects at RINE in Tsuruga Campus. There are about 20 to 30 students in each year, and a total of about 100 undergraduate and graduate students studying in Tsuruga campus.

International Exchange

International exchanges are active in Tsuruga campus. For example, through the French Nuclear Education Institute INSTN internship student acceptance system, we utilize the agreement between the Japan Atomic Energy Agency and CEA/INSTN and the comprehensive partnership agreement between the University of Fukui and the Japan Atomic Energy Agency, and we accept two or three students each year. In addition, we accept several students from Southeast Asian and Central Asian countries each year, and they work on research in the same room as Japanese students.

Research

Fourth year undergraduates (for thesis) and graduates conduct their research in one of the following groups: Nuclear Reactor, Plant, or Radiation. Each group consists of about 4 to 5 professors. Tsuruga campus is surrounded by nuclear facilities such as a nuclear power plants and the Wakasawan Energy Research Center which has an accelerator. By utilizing these facilities, and through high-quality specialized education in cooperation with research institutions and private companies outside the university, this course conducts world-class nuclear energy research and development, and human resource development.



Nuclear Reactor Research Group

This group conducts research in the fields of reactor physics, reactor engineering, nuclear fuels, and reactor materials, which are the basic fundamental technologies for nuclear power generation. The group also conducts research and development to establish a safer and more economical nuclear fuel cycle for existing light water reactors, and to develop new reactors with improved economic efficiency.

Related fields

Nuclear Engineering, Materials Engineering, and Energy Engineering



Plant Research Group

This group research theories and technologies to ensure safety throughout the life of a nuclear plant — design, manufacturing, operation, maintenance, and decommissioning. It also works to develop technologies aimed at improving performance, extending service life, diagnosing remaining service life, and enhancing accident tolerance.

Related fields

Mechanical Engineering, Architectural and Civil Engineering, and Environmental Engineering



Radiation Research Group

This group conducts research and development to visualize radiation effects, along with development of radiation measurement instruments and research to establish system management focused on nuclear disaster prevention.

Related fields

Physics, Chemistry, Biology, Measurement, and Protection of Radiation

New Research Reactor

A new research reactor will be installed at the site of Monju prototype fast breeder reactor, which is close to Tsuruga Campus. The research reactor aims to become a core base for research and development and human resource development in various research fields of science and engineering. The research reactor is planned to conduct various basic researches using neutrons, as well as innovative research and development, research on medical RI, and nuclear safety research. In addition to these research, the University of Fukui is expected to contribute not only to nuclear education and researches but also to collaboration with local industries.

Graduate School of Engineering

Fostering human resources with a broad and cross-disciplinary perspective

Please see our website for more details: <http://www.eng.u-fukui.ac.jp/eng/>



Master's Program

The Master's program consists of three majors and fourteen courses. The study period is two years. The curriculums are organized for students to understand the diversity of engineering fields, collaborate across the disciplines, and bring about new developments.

Industrial Innovation Engineering ~ Manufacturing in the age of Society 5.0 ~

This major fosters highly specialized engineers with basic knowledge of chemistry, biotechnology, machinery, etc., and technical management skills who can lead manufacturing through research and development in various industries and fields.

Related fields: Fiber Technology, Materials Science, Applied Chemistry, Mechanical Engineering

- | | |
|--|---|
| ■ Frontier Fiber Technology and Science course | ■ Creative Manufacturing Engineering course |
| ■ Materials Science and Engineering course | ■ Innovation and Management |
| ■ Applied Chemistry and Biotechnology course | |

System and Infrastructure Engineering for Safe and Sustainable Society ~ Realizing an infrastructure for a safe and secure society ~

This major fosters highly-specialized engineers who work on technological innovations necessary for creation of a safe, secure, and sustainable carbon-neutral society and contribute to creation of new social infrastructure technologies.

Related fields: Nuclear Engineering, Mechanical Engineering, Architecture, Civil Engineering, Electrical Engineering

- | | |
|--|-------------------------------------|
| ■ Mechanical Design Engineering course | ■ Nuclear Safety Engineering course |
| ■ Architecture, Civil and Environmental Engineering course | ■ Electrical System course |

Fundamental Engineering for Knowledge-Based Society ~ Technology supporting a knowledge-based society ~

This major fosters highly-specialized engineers capable of realizing Society 5.0 by leading the steady progress of mathematical science and applying it to the rapid changes of the technology-oriented society

Related fields: Intelligent Systems, Information Technology, Electronics, Applied Physics

- | | |
|---|--------------------------------------|
| ■ Human and Artificial Intelligent Systems course | ■ Electronic Properties course |
| ■ Information Science course | ■ Electromagnetic Engineering course |
| ■ Mathematical and Physical Sciences course | |

Doctoral Program

Advanced Interdisciplinary Science and Technology

The doctoral program consists of one major with ten divisions. The study period is three years. The open and flexible organization allows the faculty members and graduate students to experience more opportunities for interdisciplinary research activities. The curriculum places emphasis not only on high level knowledge and research ability in specialized fields but also on interdisciplinary experience and practical skills training. To complete the doctoral program, a student must complete 16 credits of coursework, receive the necessary research guidance from the supervisors, submit a dissertation, and pass a thesis review and final examination. Working students and foreign students are allowed to take some of the credits in a flexible format.

- | | |
|--|---|
| ■ Frontier Fiber Technology and Science | ■ Nuclear Power and Energy Safety Engineering |
| ■ Molecular Engineering | ■ Applied Physics |
| ■ Applied Chemistry and Biotechnology | ■ Mechanical and System Engineering |
| ■ Electrical and Electronics Engineering | ■ Architecture and Civil Engineering |
| ■ Intelligent Information Systems | |

Postgraduate Program in English

We offers two special programs in English in the graduate school of engineering as below. English is used as a primary language for instruction in courses and for research supervision, therefore English proficiency must be enough to keep up with the courses offered in this program. The programs start in October and April. Applicants must be non-Japanese nationals, and in principle, residing outside Japan at the time of application.

Please see our website for more details: <https://www.u-fukui.ac.jp/eng/inbound/degree-e/>



Global Engineering Program for International Students (GEPIS)

GEPIS is a 2-year program that provides an opportunity for international students to study various fields of engineering and to obtain a Master's degree in Engineering. The students have to choose one of the three majors and fourteen courses which are same as the Japanese Master's program. The master thesis is required to obtain a Master's degree in engineering.

Global Engineering Program for Research and Development (GEP for R&D)

GEP for R&D is a 3-year doctoral program that aims to nurture researchers/engineers who are equipped with highly developed practical skills and capable of being an industry leader both inside and outside Japan. This program consists of five categories as well as the Japanese doctoral program: (1) open education, (2) practical training or international experience, (3) debate, (4) advanced course, and (5) research seminar. In addition to these five courses, the doctoral dissertation is required to obtain a doctorate in engineering.

Japanese Language

A certain level of proficiency in Japanese language is necessary for your daily life. Students can take Japanese language classes offered for international students without additional tuition fees. The credits for Japanese language classes are not given, but a certificate for completion of the classes may be issued upon your request. If you want to work for a Japanese company, we strongly recommend you to learn Japanese.

Financial Support

The Graduate School of Engineering has a fund to support a part of living expenses equal to the tuition fees for students only in the doctoral program. After enrollment in GEPIS or GEP for R&D, international students can apply for various private scholarships, since they will receive information about these scholarships by e-mail from the International Affairs Division.

Student Support

University of Fukui will support international students in various ways, from the procedures to enter Japan, your study support during your stay at the university, and to career support and alumni society activities after your graduation. Don't hesitate to contact the office of International Affairs Division at any time with any questions or issues you may encounter.

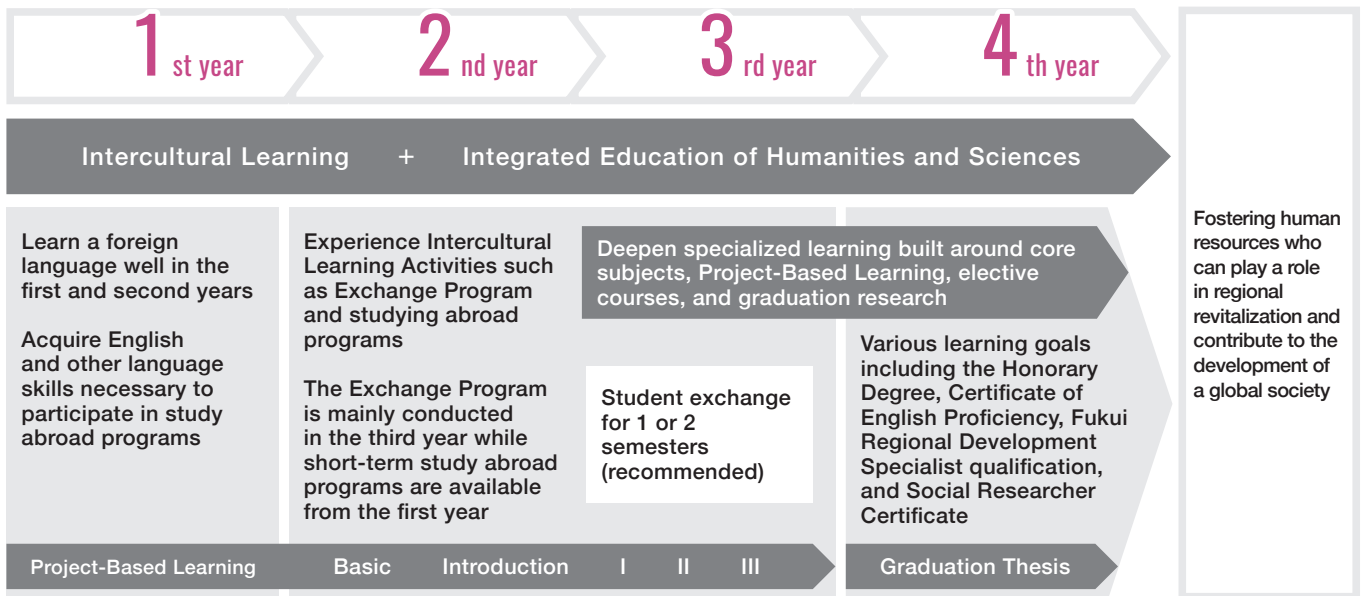


Get Together Party for International Students (January 2024)

School of Global and Community Studies

The School of Global and Community Studies offers a diverse curriculum to cultivate three abilities needed to learn from both “local” and “international” perspectives. First, the will and ability to understand different cultures. Second, the ability to know, think, and act on issues that arise in various aspects of society. Third, the in-depth analysis and understanding of issues through science-based literacy.

Four Years of Learning



Obtainable Qualifications

Social Researcher Certificate

A qualification certified by the Japanese Association for Social Research. This certifies a person as “a specialist that possesses the fundamental skills for conducting social research.”

Curriculum

* Courses offered by the School of Global and Community Studies follow a semester system, and each academic year consist of a first (Spring) semester and a second (Fall) semester. Some courses follow a quarter system, by which the academic year is divided into four quarters (1Q, 2Q, 3Q, 4Q in the diagram below), each quarter spanning over eight weeks.
* Each course can be taken at or above the year stated above.

Term	1 st year				2 nd year				3 rd year				4 th year			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Specialized Education	Project-Based Learning												Graduation Thesis			
	Global and Community Issues															
	Multicultural Understanding															
	Society Today															
	Integrated Sciences															
	Foreign Languages															
Common Education	Common Education															

Five Keys to Understanding the School of Global and Community Studies

Flexible learning based on students' interests

01



All students go through intensive English study in their first year

During the first six months of the first year, students go through a rigorous course of English, including studies at the ICT-based Language Development Center. The qualifications for studying abroad are a TOEFL ITP score of 500 or higher, and the goal is to achieve 550 or higher. Students strive to become competent enough to study regular subjects in English when they study abroad.

02



Studying abroad to build a more open mind to other cultures

Simply studying abroad does not make for a global human resource. Students must come to terms with being a minority away from their own country, and learn to live together with other people. Then they must actively open their mind, which will lead to an understanding of different cultures. The School of Global and Community Studies provides opportunities for students to study abroad and participate in international exchanges that, in turn, will give them the opportunity to become global thinkers and deepen their understanding of the world and themselves.

03



Project-Based Learning (PBL) for practical thinking in society

Project-Based Learning is a group of practical courses in which students work together with local companies and local governments to solve actual problems in society. PBL aims to equip students with the abilities to think, act, and devise their own answers in a changing society.

Project Partner Companies

Manufacturing industry: Luxottica Group, TAKIPAPER, Kokuryu Sake Brewing Corporation, Seiren Co., Ltd., Nicca Chemical Co., Ltd., Fukui Chemical Industry Co., Ltd., Maeda Kosen Co., Ltd., etc.
Press: Fukui Shimbun, Fukui Cable Television Co., Ltd., Fukui Television Broadcasting Co., Ltd., and Fukui Broadcasting Corporation
Wholesale and Retail: Tassay Co., Ltd., Fukui Canon Solution Space, Fukui Co-operative Society, Mitani Shoji, etc.
Finance and Insurance: The Shoko Chukin Bank, Mitsui Sumitomo Insurance Co., Ltd., AXA General Insurance Co., Ltd., The Fukui Bank, Ltd. and Fukui Shinkin Bank
Transportation: Fukui Railway Co., Ltd., Echizen Railway Co., Ltd., and Keifuku Bus
Service Industry: Eusaikia, Otsuya, Member ryokan (hotels and lodges) of Awara Onsen Ryokan Cooperative Association, Fukui Branch of Kinki Nippon Tourist Co., Ltd., etc.
Others: EKIMAE MALL, Japan Automobile Federation Fukui Branch, Asuwayama Kodomo to Asobu Lab., Kyoritsu Women's University, JC Network Service co-op, Fukui City Council of Social Welfare, Fukui Prefectural Library, Fukui-ken Machizukuri Center, Fukui International Association, Machizukuri Fukui, etc.
Partner universities: Assumption University, Kasetsart University, Mahidol University, etc.
Municipalities: Fukui Prefecture, Fukui City, Ono City, Katsuyama City, Sabae City, Awara City, Echizen City, Eiheiji Town, Mihama Town, etc.

Examples of PBL Themes (AY 2022)

- Special program for 30th anniversary of Matsumoto Seicho's death
- Fukui International Festival 2022
- Creating opportunities for citizen exchanges to enrich everyday life: Internal marketing of Tawaramachi Shopping District
- New perspective on the attractiveness of Asuwayama: Viewpoint of filming trends of foreigners
- The appeal and potential of Hakusan Heisenji Loach
- Promoting tourism in Fukui: Attractiveness of Fukui through driving routes
- Analysis of issues to attract new customers to Relaim, the community onsen facility
- Solving problems surrounding the foster-parent system
- Regional promotion using short videos
- Academic support as service-learning at Koyo JHS

04



Project-Based Learning ↔ Specialized Education Theory and Practice going back and forth

Students engage in the PBL courses described in 03 (above) from the second semester of their first year to the second semester of their third year, and as they advance through each year, they study specialized education subjects and acquire problem-solving and research and analysis techniques. By going back and forth between theory and practice, students form solid project management skills.

05



Integrated education of humanities and sciences deepens understanding of challenges

In cooperation with the other Schools and the Center for Data Science and Artificial Intelligence at the University of Fukui, students can take various courses that cross the border between humanities and sciences. Research Literacy and Data Science courses (which provide students with the scientific methods and a technical foundation for analyzing and handling data), and Integrated Science courses (which specialize in the natural sciences) are integrated into the curriculum as specialized courses.

Professional Graduate School

The Professional Graduate School of Global and Community Management

Developing business leaders who can play an active role *glocally*

The Department of Global and Community Management in the Professional Graduate School of Global and Community Management is a professional graduate school where students study while working. In the midst of globalization, a declining population, and an aging society with a low birthrate, local companies and local governments are seeking human resources who can think and act on projects and policies from an international perspective while maintaining a regional focus. The University of Fukui founded this Professional Graduate School in April 2020 to develop core human resources who can take the initiative in tackling the various challenges facing local communities and global societies. The courses are offered

mainly on weekday evenings and Saturdays, using a curriculum with an emphasis on interactivity between faculty and graduate students and discussion among graduate students, with the aim of the practical acquisition of specialized knowledge.

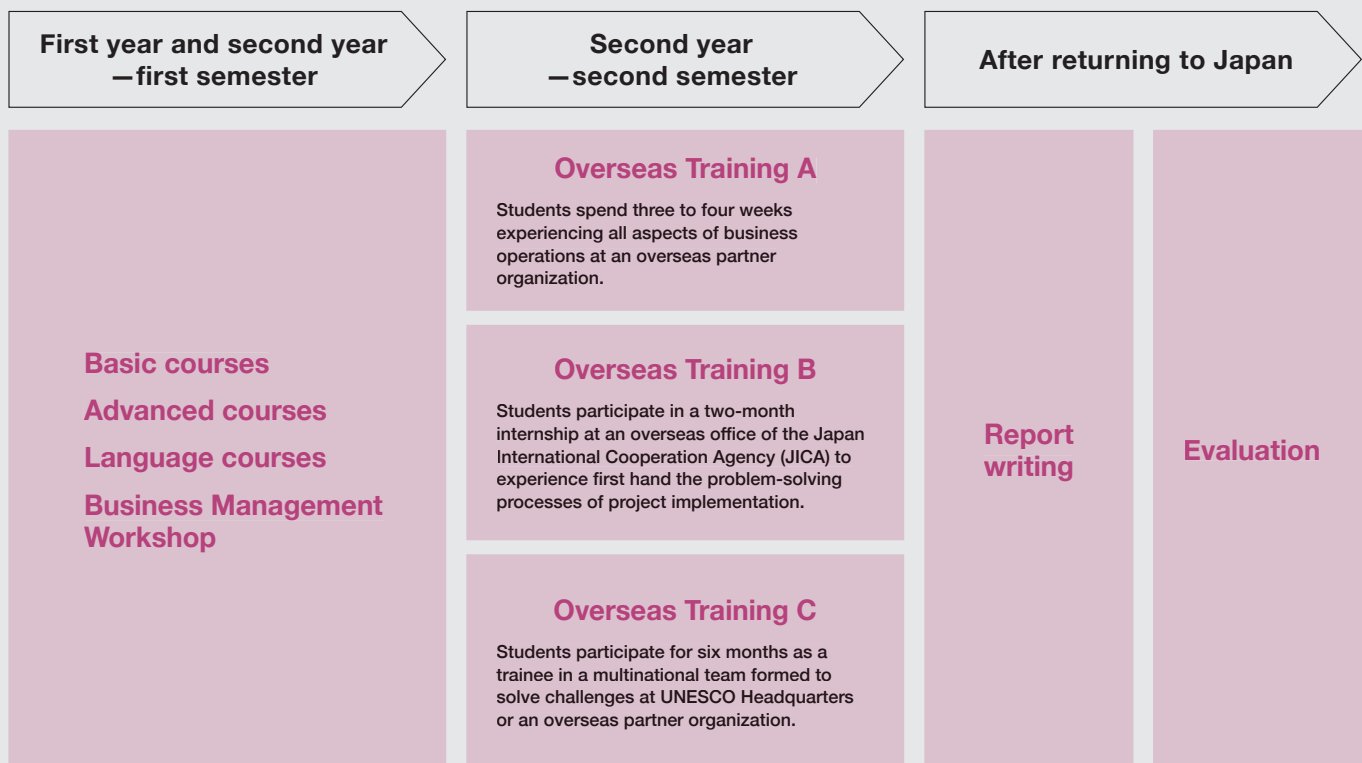
Degree	Master of Global and Community Management (Professional)
Years of study	2
Selection method and quota	Special selection for working students (about 7 students) General selection (a few students)

Main courses

The courses offered by the Professional Graduate School focus on the following three areas: 1) understanding the current situation and issues in local communities and the world, 2) specialized knowledge necessary to develop management and leadership abilities (strategic knowledge, organization, marketing, and corporate information, 3) language (English and Chinese) and communication skills.

Curriculum with unique features

The Professional Graduate School features Overseas Training as the core of its practical and specialized curriculum. Overseas Training is mainly conducted in the second semester of the second year. During this training, graduate students conduct research and gain practical experience at overseas business sites to refine what they have learned thus far in line with their individual awareness of various problems. Each graduate student will summarize their research and reflections on their chosen theme in a final report, including a self-evaluation of their learnings over the two-year period.



JAPANESE Language Program



The University of Fukui offers five levels of Japanese language courses from beginner to advanced. Students take a placement test, and are then placed in a course that suits their level. Japanese 1 to 3 courses are structured according to different skills; writing, reading, kanji, speaking. Thus students can take classes for the skills they need to improve as necessary. Each course lasts for four months, and students move to the next level once they pass the prior course. Students in Japanese 4 to 5 can take the Japanese affairs & culture courses in addition to Japanese language courses.

Through providing language education, The University of Fukui will foster students who continue to think together to build a society where diversity is respected. Specifically, students are encouraged to:

1. Continue to learn autonomously and creatively
 - 1) Acquire a broad range of knowledge
 - 2) Manage their own learning
2. Appropriately use information
 - 1) Use ICT (information communication technology) and other means, to collect information appropriately
 - 2) Evaluate and analyze information critically from multiple perspectives
3. Collaborate while respecting others
 - 1) Respect and try to understand ideas that are different from his/her own, and be flexible
 - 2) Work together for a common purpose



Japanese 1

This course is aimed at beginner level students (equivalent to CEFR A1).

Skills to be learned

Reading	To be able to read short, simple pieces of information necessary for daily life.
Listening	To be able to understand what another person is saying if they speak slowly and if it is a short and simple explanation.
Writing	To be able to write simple sentences and simple letters about themselves.
Speaking	To be able to say simple sentences about themselves, others, or places.
Interactive activities	To be able to have basic conversational exchanges necessary in daily life.

Textbook: 'Minna no Nihongo Shokyu I, 2nd edition' issued by 3A Corporation

Japanese 2

This course is aimed at pre-intermediate level students (equivalent to CEFR A2).

Skills to be learned

Reading	To be able to obtain simple documents and information sources on matters necessary for daily life and university life, and to understand their content.
Listening	To be able to understand slow and clear utterances and discussions. Students will also be able to hear and understand short, clear, simple messages and announcements.
Writing	To be able to write in more detail and to write longer sentences about a variety of matters relating to themselves.
Speaking	To be able to make speeches or presentations about matters relating to themselves, and to be able to answer simple questions about their speech/presentation.
Interactive activities	To be able to have simple exchanges in daily life, and also to be able to make requests, ask for advice, make suggestions and apologize. To be able to participate in simple discussions and Q&A, and to express their opinion.

Textbook: 'Minna no Nihongo Shokyu II, 2nd edition' issued by 3A Corporation

Japanese 3

This course is aimed at intermediate level students (equivalent to CEFR B1).

Skills to be learned

Reading	To be able to read longer texts and grasp the main point and conclusion of the text as well as gather information.
Listening	In very familiar situations such as at school or in leisure time, to be able to understand the main point of something if it is spoken in clear, standard Japanese, and to understand simple factual information.
Writing	To be able to write detailed, cohesive sentences on topics that are familiar and interesting to themselves. In addition, to be able to give a general overview of information based on fact.
Speaking	To be able to say simple speeches or make presentations of a certain length fairly fluently, about something that interests themselves.
Interactive activities	To be able to contribute to conversations on familiar topics without preparation, and to be able to express individual opinions, exchange information and speak confidently about familiar matters of individual interest or topics relating to daily life.

Textbook: 'Minna no Nihongo Chukyu I' issued by 3A Corporation

Japanese 4

This course is aimed at pre-advanced level students (equivalent to CEFR B2).

Skills to be learned

Reading	To be able to select appropriate reference material, and to be able to read independently to a certain extent, while changing reading speed and techniques to match the purpose and type of text.
Listening	To be able to understand long conversations or complex discussions, if the topic is relatively familiar and the direction of the conversation is explicitly shown with some kind of sign. To be able to understand the main point of discussions that are both complex in content and language, on either abstract or concrete topics, including technical discussions on one's specialized field, if standard Japanese is spoken.
Writing	After summarizing and assessing various information and arguments, to be able to write clear, detailed texts about a range of topics in one's specialized field that are of interest.
Speaking	To be able to make clear, detailed speeches or presentations on a breadth of topics related to a field of interest. To be able to talk about particulars and relevant case examples, and to strengthen and develop one's claims.
Interactive activities	To be able to have a fluent, natural conversation with a native speaker without either party feeling stressed, to a point where a normal conversation and relationship is maintained. To be able to express important personal events and experiences, with relevant explanations and reasoning, with a clear explanation of one's opinion.

Japanese 5

This course is aimed at advanced level students (equivalent to CEFR B2-C1).

Skills to be learned

Reading	To be able to have a detailed understanding of long and complex texts regardless of one's field of study through repetitive reading.
Listening	To be able to understand topics spoken in standard Japanese normally encountered between people, in society and in the academic world, whether it is taken place in real life or broadcast content, even if it is not a familiar topic.
Writing	To be able to write clear texts with proper construction about complex topics. To be able to emphasize the relevant important points, add supporting information, reasoning and other relevant details, and to develop and maintain the point in question. Finally, to finish with an appropriate conclusion.
Speaking	To be able to make speeches and presentations in a clear and structured way without losing the main point. To be able to supplement the content with relevant detailed information without losing the main point.
Interactive activities	To be able to fluently, accurately and effectively use words and be clear about the connection between different thoughts, on a range of topics from general, academic and work-related to leisure-related topics. To show no hint of not being able to express one's thoughts and to naturally communicate with correct grammar and language that is appropriately polite.

Japanese Language Courses

Level	Course Title	Semester F:Fall / S:Spring	Required	Elective	Classes hour / week*	Credits	Note	
Japanese 1	Beginner	Integrated Japanese 1	F & S	✓		8	4	4 classes / week
		Japanese Reading 1	F & S		✓	2	1	
		Japanese Speaking 1	F & S		✓	2	1	
		Japanese Writing 1	F & S		✓	2	1	
		Japanese Kanji 1	F & S		✓	2	1	
Japanese 2	Pre-Intermediate	Integrated Japanese 2	F & S	✓		8	4	4 classes / week
		Japanese Reading 2	F & S		✓	2	1	
		Japanese Speaking 2	F & S		✓	2	1	
		Japanese Writing 2	F & S		✓	2	1	
		Japanese Kanji 2	F & S		✓	2	1	
Japanese 3	Intermediate	Integrated Japanese 3	F & S	✓		8	4	4 classes / week
		Japanese Reading 3	F & S		✓	2	1	
		Japanese Speaking 3	F & S		✓	2	1	
		Japanese Writing 3	F & S		✓	2	1	
Japanese 4	Pre-Advanced	Japanese 4A	S		✓	2	1	Speech
		Japanese 4B	F		✓	2	1	Conversation
		Japanese 4C	S		✓	2	1	Report writing
		Japanese 4D	F		✓	2	1	Report writing
Japanese 5	Advanced	Japanese 5E	S		✓	2	1	Discussion
		Japanese 5F	F		✓	2	1	Presentation
		Japanese 5G	S		✓	2	1	Reading & Writing
		Japanese 5H	F		✓	2	1	Reading & Writing

* 1 class hour is equal to 45 minutes. Each course is conducted for 15 weeks/semester.

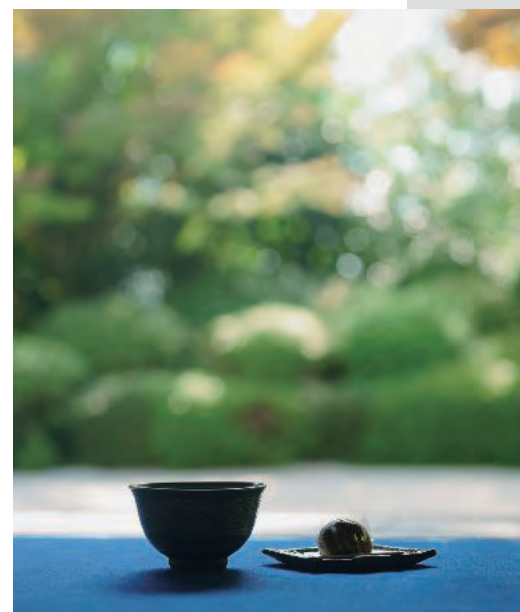
Japanese Culture / Japanese Affairs Course

Spring Semester

Level	Course Title	Classes/week	Credits	Remarks
Pre-Advanced & Advanced	Japanese Affairs	1	2	
	Japanese Culture	1	2	
	Multiculturalism in Japan - Practices and Challenges – A	1	2	Joint Classes with Japanese students
	Project Work for International Students	1	2	

Fall Semester

Level	Course Title	Classes/week	Credits	Remarks
Pre-Advanced & Advanced	Japanese Affairs	1	2	
	Japanese Culture	1	2	
	Introduction to Intercultural Communication A	1	2	Joint Classes with Japanese students
	Project Work for International Students	1	2	



Global Outreach

The University of Fukui (UF) is committed to both internationalization of the university and global education. UF has expanded its international network and reinforce partnerships with overseas universities/institutions. Its collaborations range from student exchange, faculty-led study abroad, and faculty exchange to joint research and projects, internships, and more.

Number of Partner Universities and Institutions

As of January 1, 2024, UF has 166 partner institutions in 41 countries or regions.



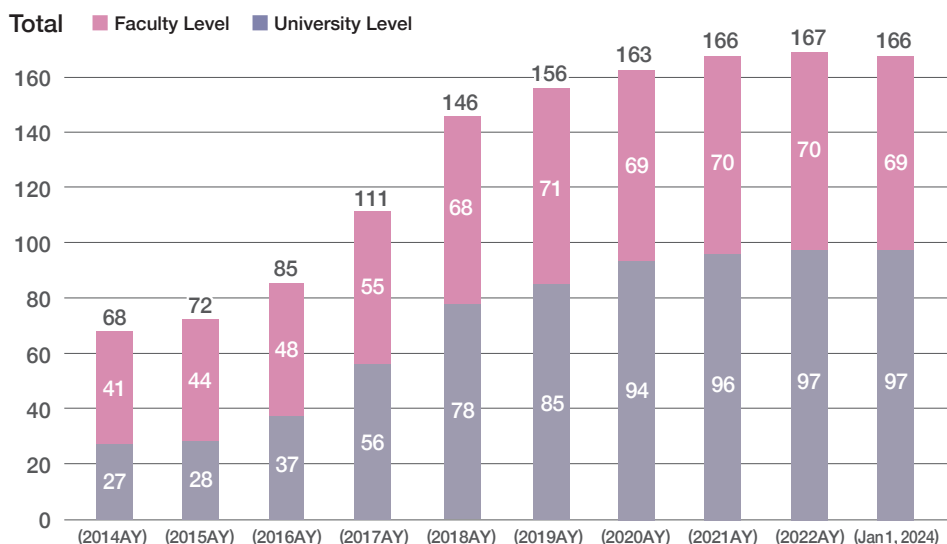
List of Partner Institutions

<https://www.u-fukui.ac.jp/eng/global-network/partner-list/>



UF Alumni Society (UFAS) - 18 Branches

All international students who have studied at UF, even for a short period of time, are eligible to be a member of UFAS and can join activities of the UFAS branch in your country. As of January 2024, there are 18 UFAS branches all over the world. The members are networking in and outside the branches, and supporting current UF students in many ways.



Community Outreach



International students have many opportunities to participate in on- and off-campus events organized by local international associations, community centers, and high-schools. Each one of these activities contributes to increase the interaction between international students and the local community. Here we introduce a few examples.



● **Flower Arrangement Workshop**
Making flower arrangement for *hinamatsuri* (the girl's festival)



● **REINAN DAY TRIP**
Panoramic mountaintop views of the Five Lakes of Mikata



● **University Festival**
Malaysian students serving their local cuisine at a stall



● **Summer Camp**
Experiencing stand-up paddleboard in Takahama Town



● **Hello World**
Special class for cultural exchange at elementary school



● **International Students Summit**
International students in Fukui Prefecture experiencing Shintoism, sponsored by Fukui Kita Rotary Club



● **Tanabata Tea Ceremony**
Enjoying a tea ceremony with yukata



● **Get-together Party**
Social gathering of UF international students and their local supporters

● **Ski Tour**
Day trip to SKIJAM Katsuyama



Thinking Local with a Global View



In Takasu Town (Fukui City) that is facing an ageing society and depopulation, people from outside the town come and try their hand at rice growing in the rice paddies. With an invitation from the Takasu Joyama Noh-to-hito-no-kai, international students experienced traditional Japanese agriculture. With local people on hand to help, the students can experience harvesting rice, harvesting soba (buckwheat), making soba noodles and making 'shimenawa' straw festoon.



Outbound

Global Outreach



At the University of Fukui, we encourage active international exchange and international-level education and research. Through disseminating our world-class progress and achievement, we aim to nurture individuals to be highly specialized professionals who can contribute to the region's internationalization and the creation of a diverse society. To achieve this goal, we offer comprehensive opportunities for overseas study, and enable students to advance in foreign language skills and also to gain international experiences all over the world.

Short-term Programs

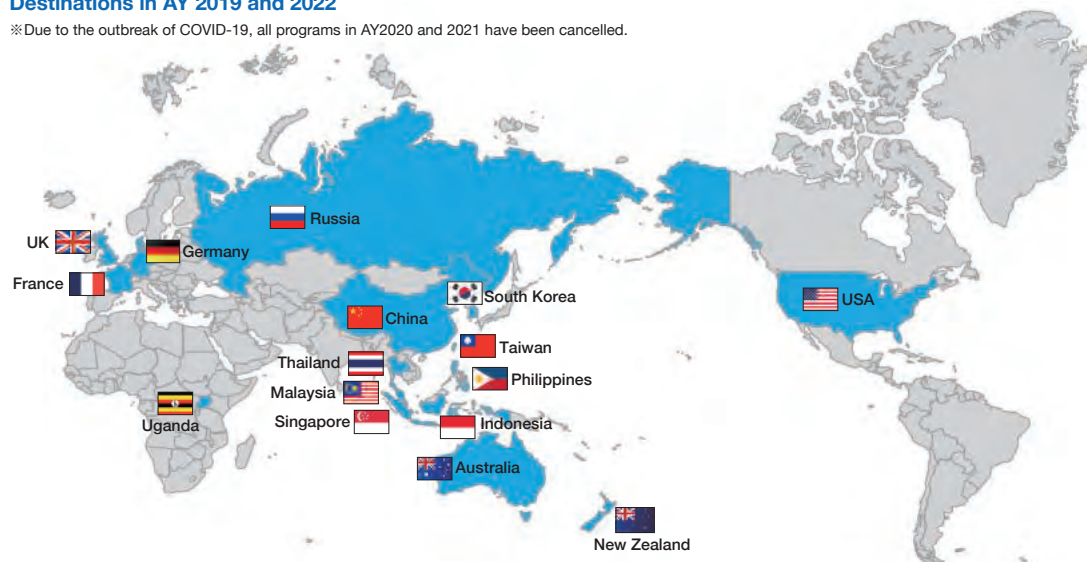
We hold 'Short-term Overseas Training Programs' of 1 week to 3 months in length, with overseas educational institutions with which we either have an academic exchange agreement, or with which individual consent has been given. In order for students to participate in a program that best suits them at the best time, and that suits them in terms of their purposes, interests, foreign language learning and specialist area learning and future plans, there are a variety of programs classified and structured into 6 types according to level and content.

Short-term Overseas Training Program Types

0. Language Learning
1. Cultural Experiences & Exchange
2. Global Generic Skills
3. Academic Expertise
4. Practicum & Internship
5. Research & Publications

Destinations in AY 2019 and 2022

※Due to the outbreak of COVID-19, all programs in AY2020 and 2021 have been cancelled.



Long-term Programs

Through living overseas for a relatively long period of generally 3 months or more, students can improve their language ability on an intensive basis and have a variety of experiences such as highly specialized study and interactions with local students and international students from various countries. A variety of long-term study abroad opportunities are offered at the University of Fukui.

Exchange Programs

The University of Fukui assigns exchange students for 1 or 2 semesters to universities with a student exchange agreement. A student who has been chosen for the study exchange uses own time prior to departure to be a tutor for the exchange students who have come to the University of Fukui from partner universities, and supports them in their lives in Japan. This interaction gives them a chance to come into contact with the language and culture of their exchange destination. For the list of partner universities with a student exchange agreement, visit our website

<https://www.u-fukui.ac.jp/eng/outbound/long-term-programs/exchange/list-of-partner-institutions/>



UMAP Exchange Programs

Given that the University of Fukui is a member of University Mobility in Asia and the Pacific (UMAP), students can choose a study destination from UMAP member universities for placements of 1 or 2 semesters. This provides students with broader overseas study opportunities because they are able to study at universities that do not have academic exchange agreements directly with the University of Fukui. Even though many of the UMAP members are universities in non-English speaking regions, they often have a number of courses taught in English available.

TOBITATE! Study Abroad Initiative

Tobitate! (Leap for tomorrow) Study Abroad Initiative, a public-private effort for the future of Japan was launched by the government in October 2013. This initiative offers various opportunities for students to embrace the chance to study abroad, and a standout among these opportunities is the Tobitate! Young Ambassador Program. This program provides scholarships and other aid with the help of private-sector contributions. The goal was to help about 10,000 students to study abroad by 2020, and 21 students have participated from the University of Fukui between 2014 and 2020. In August, 2022, it was decided that Tobitate will continue the Next Tobitate Initiative from 2023 to 2027 as the next stage, and 1 UF student is currently studying abroad as a young ambassador. In Tobitate! Young Ambassador Program, young ambassadors are allowed to design flexible study-abroad programs based on their own ideas lasting 28 days to 1 year, and our students have completed unique overseas study programs which include internship, volunteer activities, etc., in various countries such as America, India, Germany, Belgium, Ghana, Australia and Malaysia.





The University of Fukui is active in accepting international students to enhance student mobility, with the aim of becoming a university with a high degree of internationality that is open to the world. We see diversity as core to our identity and as one of the university main goals. Therefore, the University of Fukui strives to continuously increase the number of international students and diversify the student body in order to establish international campuses where students from different cultures can exchange ideas, grow as social beings, and study the most up to date sciences and technologies, preparing them to be successful in today's globalizing society.

Currently 179 international students from 24 countries/regions are studying at the University of Fukui (as of October 1, 2023). We offer a variety of programs for the international students with different purposes and terms of stay.

■ Degree Programs

Global Engineering Program for International Students (GEPIS)

GEPIS is a 2-year Master's program in English. Applicants for this program can take the entrance exam overseas (pre-arrival admission). Successful candidates can study various fields of engineering. (See p. 21 for more details.)

Global Engineering Program for Research and Development (GEP for R&D)

GEP for R&D is a 3-year doctoral program in English, with the aim to nurture individuals who are equipped with highly developed practical skills and capable of becoming industry leaders both in and outside of Japan. Applicants for this program can take the entrance exam overseas (pre-arrival admission). (See p. 21 for more details.)

■ Short Visit Programs

International Student Exchange Program between Diverse Research Fields (2 weeks)

Participants of this program are chosen from among students in chemistry or biology-related departments or majors, mainly from our partner universities in China, Taiwan, Malaysia, and Vietnam. In the research labs where they are accepted at the University of Fukui, participants take part in actual research and experiments utilizing technologies in specialized fields in which they are unfamiliar with. By conducting reciprocal research exchanges of approaches from different research areas, not only do students extend their range of specialized fields but also gain an overview of multiple research topics from a broad viewpoint and international perspective. This program aims to nurture students who can find solutions to issues in actual society and become even more practical, global individuals.



■ Non-degree Programs

University of Fukui Student Exchange Program (6 or 12months)

University of Fukui Student Exchange Program is for students from our partner universities. They study at the University of Fukui for 1 semester (6 months) or 2 semesters (1 year) to take courses and earn credits or receive research instructions, while being registered as regular students at their home university. There are mainly 3 reasons to join this exchange program: exchange students can, 1) take comprehensive Japanese language courses that fit their level, 2) take specialized courses in either English or Japanese, and 3) communicate with Japanese students as well as other international students from different countries/regions through courses and various activities on and off-campus.

Cultural Exchange and Internship Programs (1 day – 4 weeks)

The University of Fukui has accepted groups of students from our partner universities in China, England, Indonesia, Singapore, Thailand, Turkey, USA, and so on. They participate in various custom-made programs upon request from each university and engage in cultural experience, research exchange, and internship at laboratories, the university affiliated hospital and schools.



■ Japanese Government (MEXT) Scholarship Students

University of Fukui accepts four types of Japanese Government (MEXT) Scholarship Students: for Research Students, Teacher Training Students, Japanese Studies Students, and degree program Students. These students are selected in either by Embassy Recommendation or University Recommendation. These students are gathered from various countries at each schools and they pursue their study and research in the specialized field at the University of Fukui. After they complete the program, they make the most of their academic achievements and experiences to contribute to the social development of their home countries and Japan, globally and locally.

[Research Students]

This program is designed to help international students attain a higher level of academic achievement. Research Students aim to obtain a graduate degree in the Master's, Doctor's or Professional Degree Program.

[Teacher Training Students]

This program aims to develop human resources at the field of education. Teacher Training Students will take 6 months of Intensive Japanese Program to learn the basic Japanese language skills and Japanese traditions and culture. Later on, students will undertake one year of study on Japanese education methods. This curriculum includes practical training at affiliated elementary and junior high school as well as participating "Round-Table" where practitioners and researchers from different regions and occupations come together to share their practices.

[Japanese Studies Students]

This program is designed to improve proficiency in Japanese and to deepen the understanding of Japanese culture. At University of Fukui, this program is specialized to improve Japanese language proficiency. Japanese Studies Students will take higher level of Japanese language classes as well as practical and experiential classes including fieldtrip, regional exchanges and coeducational opportunity with Japanese students.



Student Exchange Programs

Students from our partner universities can study at UF as exchange students for 1 semester (6 months) or 2 semesters (12 months).

We have 2 student exchange programs, A and B, as follows:

Program Outline

	Program A	Program B
Language of instruction	English	Japanese
Language requirement	TOEFL PBT 500 / iBT 61, TOEIC 600 or its equivalent	Japanese Language Proficiency Test (JLPT) N2 or its equivalent
GPA requirement	2.30 or above on 3.0 scale	2.30 or above on 3.0 scale
Student status at UF	Undergraduate students / Special Auditing Students with credit (Take Program A courses in English. See the table on p.33 for details)	Undergraduate students / Special Auditing Students with credit (Take regular UF courses offered in Japanese)
	Graduate students / Special Research Students with no credit	Graduate students / Special Auditing Students with credit Special Research Students with no credit

Important Dates for Student Exchange Program

	October Admission	April Admission
Nomination Period	End February - Mid March	End August - Mid September
Application Period	Mid March - Early April	Mid September - Early October
Notification of Acceptance	Mid June	Mid December
COE sent out	Mid August	Mid February
Arrival Date	End September	End March
Orientation week	End September	End March
1st Semester	Fall Semester / October 1 - March 31	Spring Semester / April 1 - September 30
Classes start	Early October	Early April
Final exam	End January - Early February	End July - Early August
Vacation	Mid February - March 31	Mid August - September 30
2nd Semester	Spring Semester / April 1 - September 30	Fall Semester / October 1 - March 31
Classes start	Early April	Early October
Final exam	End July - Early August	End January - Early February
Vacation	Mid August - September 30	Mid February - March 31

•Please see our Fact Sheet for detail information
<https://www.u-fukui.ac.jp/eng/inbound/exchange/>



Tuition Waiver

Students from partner universities will be exempted from paying both a matriculation fee and tuition at the University of Fukui under the student exchange agreement. The exemption is, however, limited to the number of students stated in the agreement.

JASSO Scholarship Opportunity

Japan Student Services Organization (JASSO) scholarship may be available if the programs are granted. The amount of scholarship is 80,000 JPY/month (subject to change).

Accommodation

There are three university dormitories for the above program students. Please see p.35 for details. The dormitory rooms are preferentially assigned to exchange students. However, due to the limited number of rooms, there is no guarantee that a room will be provided for all students wishing to live in a dormitory.

Program Description

In principle, Program A students take courses in English and Program B in Japanese.

If an applicant meets both language requirements, they may join Program A and take courses both in Japanese and English.

	Program A	Both	Program B
Language requirement	TOEFL PBT 500 / iBT 61, TOEIC 600		JLPT N2
Courses	Japanese Language Program (See pp. 25-28 for details.)		
	Program A Specialized Courses in English (See the course list below.)		
		Common Education Courses in Japanese	
		Specialized Courses offered by the School of Education in Japanese	
		Specialized Courses offered by the School of Engineering in Japanese	
	Specialized Courses offered by the School of Global and Community Studies in English		Specialized Courses offered by the School of Global and Community Studies in Japanese and English

List of Program A Specialized Course in English, 2024-2025

Besides courses in the Japanese Language Program (pp. 26-27) and Specialized Courses in English offered by the School of Global and Community Studies, Program A offers the following Specialized Courses in 6 fields in English.

● F: Fall semester S: Spring semester Y: Year-round

《 Culture and Society field 》	
F	British and American Literature II
F	Comparative Cultures (Intercultural Understanding)
S	History of English Literature
S	Japanese American Literature
Y	Special Research on Culture and Society field

《 Mechanical and System Engineering field 》	
F	Dynamics, System Control and Mechatronics
F	Engineering Material Processing and Design
F	Science on Form
F	Introduction to Nuclear Engineering I (Principles)
S	Thermal and Fluid Engineering
S	Control Engineering
S	Development of IoT for smart agriculture
S	Introduction to Nuclear Engineering II (Application and Safety)
Y	Special Research on Mechanical and System Engineering field

《 Electrical, Electronics and Computer Engineering field 》	
F	Semiconductor Engineering
F	Energy Systems Engineering
F	Mathematics in Communications
F	Signal Processing and Filter
F	Electrics Engineering
S	Electric Physics and Engineering
S	Systems Engineering
S	Electronics, Communications, and Systems Engineering
S	Data Science
S	Image Processing
Y	Special Research on Electrical, Electronics and Computer Engineering field



《 Architecture and Civil Engineering field 》	
F	Mechanics of Building Structures and Exercise
F	Data Science for Architecture and Civil Engineering
F	Introduction to Regional and City Planning
S	Introduction to Architectural Planning, Design and Environmental Engineering
Y	Special Research on Architecture and Civil Engineering field

《 Materials Science and Biotechnology field 》	
F	Inorganic Materials Chemistry
F	Kinetics of Radical Polymerization in Dispersed Media
F	Introduction to Polymer Reaction Engineering
F	Polymer Structure
F	Fiber and Polymer Processing
S	Organic & Polymer Science
S	Biotechnology
S	Molecular and Cellular Biology
S	Advanced Analytical Chemistry in Biology
Y	Special Research on Materials Science and Biotechnology field

《 Applied Physics field 》	
F	Introduction to Applied Physics I (Mathematical and Theoretical Physics)
S	Introduction to Applied Physics II (Experimental Physics)
Y	Special Research on Applied Physics field

● The latest Program A course catalog

<https://www.u-fukui.ac.jp/eng/inbound/exchange/syllabi/>



Traditional Industries course (required course specially for Program A students)

Undergraduate students in Program A are required to take Traditional Industries course. This course is designed for students to understand the present Japanese societies and industries through the visits to production sites or factories of traditional industries in Fukui, such as Echizen Pottery, Echizen Japanese Paper, Echizen Lacquerware, Echizen Cutlery, and so on.

Activities for International Students



- Orientation for new international students
- Summer camp
- Ski trip
- Day trip around Fukui
- Get-together party for UF international students
- Pre-Return Orientation



Tutors

If it is the first time for an international student to come to Japan or have lived in Japan for less than one year, you can be assigned a tutor who provides information and assistance to adjust to life in Japan. Throughout the semester, tutors also provide academic support such as giving guidance on experiments and learning Japanese.

Community Activities

International students have many opportunities to participate in on- and off-campus activities organized by local international associations, community centers, and high schools.

Club Activities

- There are 69 clubs and associations at Bunkyo campus (40 athletic and 29 cultural)
- There are 38 clubs and associations at Matsuoka campus (20 athletic and 18 cultural)
- There is 1 athletic club at Tsuruga campus

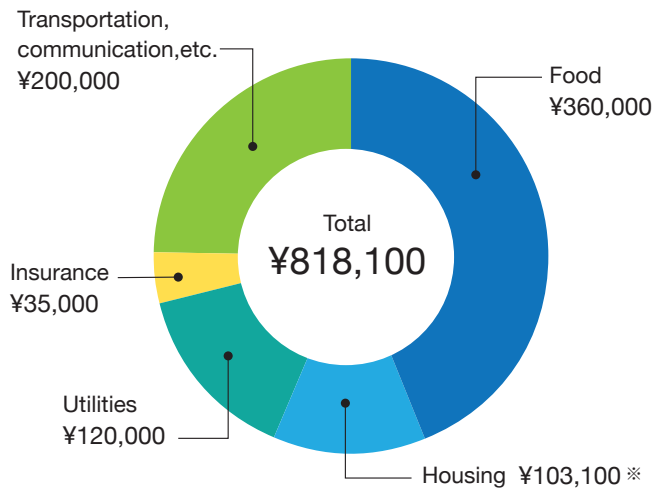


Life in Fukui

Living in Fukui is relatively affordable compared with other parts of Japan. There are many apartments around each campus and most of them are reasonable. If you live in one of the university dormitories, living expenses will be minimal.

Estimated Cost of Living for One Year

The cost of living in Fukui is relatively inexpensive, and living in university dormitories or private apartments near the campus is a good way to reduce living expenses. There are three university dormitories on the Bunkyo Campus and one on the Matsuoka Campus, and they are very reasonably priced and popular. On the Bunkyo Campus, it is not always possible for all applicants to move in a dormitory, but there are many private apartments for students around the Bunkyo Campus, with rent ranging from 30,000 to 40,000 yen per month.



* In the case of living in UF Student Dormitory.
In case of private apartments, the housing cost is about 600,000 yen.

Accommodation

Dormitory

Bunkyo Campus

There are 2 dormitories located within 7 minutes walk from the campus. And now we have one new dormitory available on campus as well. There is a local train station and a supermarket near the dormitories.

| UF Student Dormitory | 209 rooms

Rent (single): monthly 6,800 JPY
Administration fee: 20,000 JPY



| UF Overseas Student House | 29 rooms (single, couple, family)

Rent (single): monthly 10,200 JPY
Rent (couple): monthly 17,600 JPY
Rent (family): monthly 20,400 JPY
Administration fee: 20,000 JPY



| Makishima House | 18 rooms

Rent (single): monthly 14,000 JPY
Administration fee: 20,000 JPY



Matsuoka Campus

There is a student dormitory on campus.

| International House | 16 rooms (single, couple, family)

Rent (single): monthly 10,900 JPY
Administration fee: 30,000 JPY
Rent (couple): monthly 19,400 JPY
Administration fee: 50,000 JPY
Rent (family): monthly 22,700 JPY
Administration fee: 50,000 JPY



Apartment

The University of Fukui supports international students to find reasonable apartments near each campus by providing information of real estate agencies. The following is the approximate cost of making an apartment contract in Fukui city.

Rent : 25,000 to 40,000 JPY/month

Initial Cost : about 3 month rent equivalent for deposit and contract fee

Future Career Path

Career Support

At the University of Fukui, we provide full career support for students regardless of whether they are Japanese or international students. Our career support includes providing information of job offer from various companies, holding career fair at school and counseling on career opportunities for individuals. In the ranking of recruitment rate for new graduates, the University of Fukui has been successfully placed No.1 among a multi-faculty national university corporations for 16 years in a row. Through our career support, many international students go on to be successfully employed in Japan.



Class as part of the International Student Employment Support Program

Messages from Graduates



Ugyen Dorji

Current workplace

Teacher, Gelephu Higher Secondary School, Bhutan

Major at the University of Fukui

MEXT Teacher Training Program, Department of Professional Development of Teachers, Graduate School of Education (2017-2019)

Nationality

Bhutanese

I had the opportunity to pursue MEXT Teacher training program under the guidance of DPDT (Department of professional development of teacher) at the University of Fukui from 2017 to 2019. It was my fortune to learn about education in the prefecture considered the best in education and from the department and the university that plays a prominent role for the same. The program was a great learning experience that helped me grow professionally and personally. Through the programs of the department, I could be part of some major events, meet educators from all over the world and could listen and learn from their experiences. I am always indebted with gratitude to the professors and other staff of the university for the care, guidance and support rendered. Also, through various other programs of the university, we were afforded opportunities to interact with and experience Japanese cultures, the most authentic of which can be found in Fukui.

All this experience comes in handy when one is an educator. The learnings equip one in better delivery of one's services and the experience broadens one's perspectives. Currently in the school, I am practicing and advocating "Lesson Study" as I learnt in Fukui. I am very much in touch with Fukui through acquaintances and also through friendship program between students of my school and students of one high school in Fukui. I fondly remember Fukui and its people. One could choose to study anywhere in world but the place and people in Fukui are something special. Many may realize only after they leave Fukui.



Low Shu Lin

Current workplace

Senior consultant, Japanese Speaking Division, JAC recruitment Johor Branch

Major at the University of Fukui

Integrated and Advanced Medical Course (Doctor), Graduate School of Medical Sciences (2014 - 2017)

Nationality

Malaysian

It's a rare case that I didn't know how to speak Japanese before I came to UF. During the four-year time in Fukui, I finished my course work with Japanese speaking skill as an extra. I never thought that I would need Japanese speaking for the future but this skill landed me my current position.

What I would recommend for the prospective students are, 1) learn as hard as possible, sometime it means give whatever it takes; 2) play as much as you learn, it's always nice to reward yourself after so much hard work; 3) blend in, know the local, know the culture. Fukui people are nice and friendly; 4) pick up one or two Fukui-ben (dialect), to show people this is where you stay; and 5) sometime only with the local, you know where is the best spot for fire fly; where is the best place for momiji-gari (autumn-leaf viewing), which restaurant has the best sauce katsudon (deep-fried pork on top of rice, a local specialty). Maybe what they like is not what you like, it will be ok. Knowing is the least you can do.

We tend to think "why would I need to learn this and that," "I don't need this for my future career," or "I don't like to do that in my future." The truth is, you never know that particular skills actually come in needed for your future career. I would say again, play as hard as you want, then learn as much as you can. As a student or fresh graduate to be, you might get lost in the way of finding, if you do, do for the present. Only when you have the best for the current moment, your goals, and achievements, future will come to you.

Message from UF alumni living all over the world

<https://www.u-fukui.ac.jp/eng/global-network/international-alumni/>



Admission Information

The University of Fukui is the only one National University Corporation in Fukui Prefecture. As a center for education and culture, and based on a high sense of ethics, the university aims to nurture individuals who can contribute to the region, the country and the global society. It also aims to provide a creative place for educational and scientific research unique to the region, the latest scientific and technological research, as well as medical research.

University of Fukui has four schools, the School of Education, the School of Medical Sciences, the School of Engineering and the School of Global and Community Studies.

In addition, the Graduate School of Engineering offers Master's and doctoral programs in English; they are Global Engineering Program for International Students (GEPIS), and Global Engineering Program for Research and Development (GEP for R&D) respectively.

The schedule and details for the entrance examinations for international students can be found at

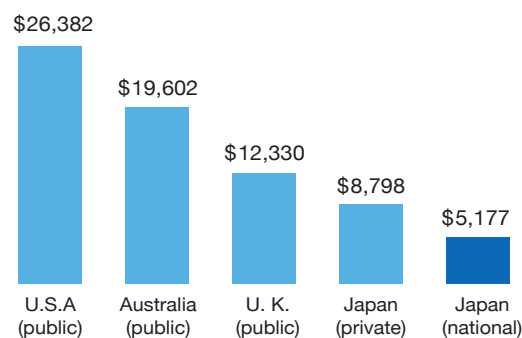
<https://www.u-fukui.ac.jp/eng/admissions/>



[Enrollment Fees / Tuition Fees]

■ Tuition

Tuition at University of Fukui (UF), like most national universities, is 535,800 yen per year. For a 4-year undergraduate program, the total of entrance fee + tuitions from admission to graduation is approximately 2.4 million yen for both humanities and sciences, which is reasonable compared to private universities, with 4 million yen for humanities and 5.4 million yen for sciences. And, if compared to tuitions at public universities in the U.S. and Europe, tuition level is less than half.



[Reference] OECD Stats: Annual average (or most common) tuition fees charged by tertiary institutions to national and foreign students (2019/20) (In equivalent USD converted using PPPs, for full-time students, by type of institutions and level of education)

■ First Year's Academic Fees at UF



*The same amount is applied for both undergraduate and graduate students.

*Research students pay an enrollment fee of 84,600 yen and a tuition of 178,200 yen per semester.

*Auditing students pay an enrollment fee of 28,200 yen and a tuition fee of 14,800 yen/credit; International students register 14-credit worth of courses per semester.

■ Tuition Waiver System

Privately-financed international students enrolled in the graduate schools of UF are eligible for tuition fee waiver, in whole or in part, after screening based on their application, if they meet any of the eligibility requirements.

There is no tuition fee waiver for international students in their undergraduate program. However, privately-financed international students enrolled in the undergraduate schools may apply for the UF Co-op Scholarship and UF Student Study Support Scholarship (both 100,000 yen, paid once), instead.

■ Scholarships

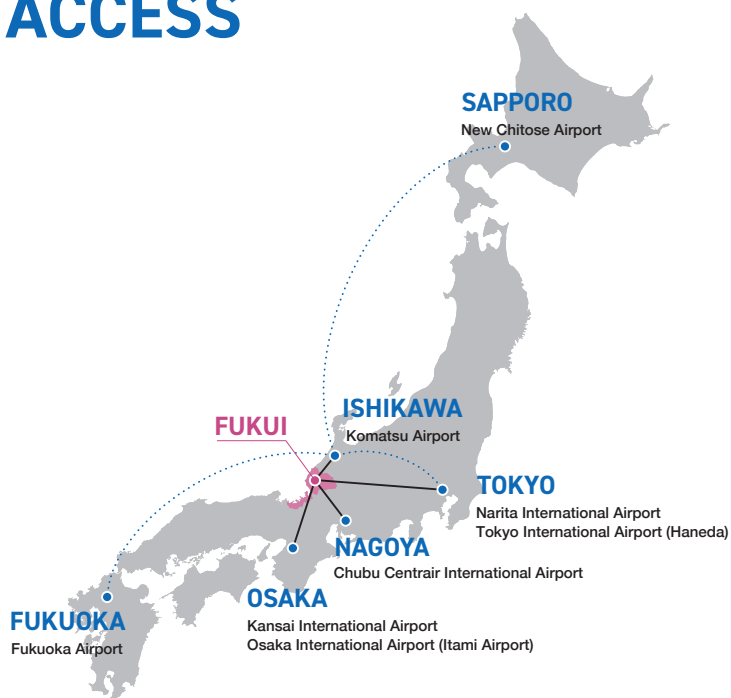
There is a wide range of scholarships available such as those of the Japanese Government (MEXT), foreign governments, Japan Student Services Organization (JASSO), private foundations, and UF.

See further details from the link below.

<https://www.u-fukui.ac.jp/eng/inbound/scholarships/>



ACCESS



Transportation

Tokyo-Komatsu 1 hour by air

Komatsu-Fukui 1 hour by shuttle bus

Tokyo-Fukui 3 hours by shinkansen (bullet train)

Nagoya-Fukui 2 hours by train / 2 hours and 50 minutes by bus

Osaka-Fukui 2 hours by train / 3 hours and a half by bus



Bunkyo Campus

School of Education / School of Engineering /

School of Global and Community Studies

3-9-1 Bunkyo, Fukui-shi, Fukui

910-8507, Japan

Tel: +81-776-23-0500

Matsuoka Campus

School of Medical Sciences

23-3 Matsuoka Shimoaizuki, Eiheiji-cho, Yoshida-gun, Fukui

910-1193, Japan

Tel: +81-776-61-3111

Tsuruga Campus

Research Institute of Nuclear Engineering

1-3-33 Kanawa-cho, Tsuruga-shi, Fukui

914-0055, Japan

Tel: +81-770-25-0021

<https://www.u-fukui.ac.jp/eng/>

