Welcome to GSST
Kumamoto University

Overview of Kumamoto University

Where is Kumamoto?
Kumamoto is the capital city of Kumamoto Prefecture located in the center of Kyushu Island in the southwest part of Japan.

History of the University
1874 Kumamoto Teachers College established
1885 Kumamoto Pharmaceutical College established
1887 The Fifth High School established
1896 Kumamoto Medical College established
1897 Kumamoto Technical College established
1949 Kumamoto University established

Kumamoto University was established under the National School Establishment Law that reformed the preceding Japanese educational system. The new university incorporated the older institutions described above.

2004 Renamed as National University Corporation Kumamoto University
Since Kumamoto University became a National University Corporation in 2004, the university has been ushering in an era of change. Nevertheless, the university will still continue to pursue further advancements in education, research, and medical care based on the knowledge and experience it has gained since it was first established, in order to contribute to society in the 21st century.

Enrollment and Key Figures
(As of May 2016)

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate students</td>
<td>8,075</td>
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<tr>
<td>Master's students</td>
<td>1,313</td>
</tr>
<tr>
<td>Doctoral students</td>
<td>731</td>
</tr>
<tr>
<td>Faculty members</td>
<td>1,205</td>
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<tr>
<td>Administrative and Technical staff members</td>
<td>1,607</td>
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</tbody>
</table>

7 Faculties
- Letters
- Education
- Law
- Science
- Medicine
- Pharmacy
- Engineering

8 Graduate Schools
- Education
- Social and Cultural Sciences
- Science and Technology
- Life Sciences
- Medical Sciences
- Health Sciences
- Pharmaceutical Sciences
- School of Law

14 Centers and Institutes
Science

- Physics Course
- Chemistry Course
- Earth and Environmental Sciences Course
- Biological Sciences Course

The Field of Science provides the succession and development in scientific studies based on mathematics, physics, chemistry, earth science, and biological science. The underlying objective is to produce specialists who obtain common knowledge and independent thinking and contribute widely to human society. The Field encourages students to Doctoral Courses for higher research activities in a world-wide community. The aim is also to instruct students to tackle a large variety of problems contained in the boundaries between different branches in modern science.

Master's Course

New Frontier Sciences

New Frontier Sciences originated at Kwansei Gakuin University from a unique fusion of science and engineering. This interdisciplinary field provides a variety of educational and research opportunities for students who are interested in advancing both science and engineering. We are looking for students who are eager to open up new interdisciplinary research fields and to contribute to the welfare of mankind through the advancement of science and engineering.

Materials Science and Engineering

In light of the fact that materials development is crucial for industrial promotion, Materials Science and Engineering seeks to achieve the production of new materials and contribute to the prosperity of the world community. Therefore, students must be eager to become materials engineers with global visions of modern technology and the environment including natural resources. The education assumes that students have sufficient knowledge of materials science and engineering from the undergraduate course.

Computer Science and Electrical Engineering

We aim to provide state-of-the-art education on specialized courses, and to master the modeling of the problems to be solved and the problem solution, intended for students who have studied fundamentals on general engineering and specialized fundamentals in the field of electrical, electronics, and computer at undergraduate school. Subjects of education and research in this department cover a wide area including information science, computer engineering, electronic communication engineering, human engineering, energy engineering etc. Thus, we hope for the entrance of students who have not only steady knowledge on fundamentals of the specialty but also the ability to apply the knowledge on fundamental engineering in wide area to one's own special area by flexible thought, and be inspired to find and solve new problems.

Civil and Environmental Engineering

Civil and Environmental Engineering has been committed to the knowledge of creativity in order to make the better human life possible with harmonization of natural environment. This field produces high potential graduate students who can solve any kind of problems on infrastructure design and construction, environmental and disaster prevention design, and any issues on geo and water environments with its conservation.

Mechanical System Engineering

- Machine-System Design Course
- Intelligent Machine Course

“Mechanical System Engineering” aims to foster engineers and researchers possessing advanced professional abilities to figure out issues relating to various mechanical systems from multidisciplinary viewpoints of the complex society, environment, and energy. Therefore, our education and research try to improve their expertise and awareness, and to develop their ability to solve the problems through fundamental and applied researches on material characterization and measurement, machine design, manufacturing, measurement and control of mechanical systems, and efficient uses of thermal and fluid energies, etc.

Architecture

- Architecture Course
- Architectural Design Course
- Architectural Urban Culture Course

Architecture is a human-oriented field concerned with buildings and their surrounding environments, covering topics ranging from safety to amenity, convenience to art. Education and research in architecture is roughly divided into the fields of planning, environment and facilities, structure, and production. An applicant for Architecture needs to have a desire for the deep pursuit of the subjects in each of these fields. To understand such a grand system as architecture in term of time and space requires an ability to integrate different subjects as well as sense of balance.
Science
- Department of Mathematics
- Department of Physics
- Department of Chemistry
- Department of Earth and Environmental Sciences
- Department of Biological Sciences

The aim of this field is to instruct students for the professional achievement and deep insight in scientific studies based on mathematics, physics, chemistry, earth science and biological science. Significant stress is laid upon the pursuit of fundamental researches, the development of frontier as closely related topics and the challenge to boundaries between different branches in modern science.

Computer Science and Electrical Engineering
- Department of Computer Science and Communication Engineering
- Department of Frontier Technology for Energy and Devices
- Department of Human and Environmental Informatics
- Department of Applied Mathematics

This field consists of four departments, Computer Science and Communication Engineering, Frontier Technology for Energy and Devices, Human and Environmental Informatics, and Applied Mathematics, and aims to train researchers and highly specialized engineers who have highly specialized knowledge of electrical, electronic and information engineering which form the base of high information society, global vision and opinion based on high ethics and international activity.

New Frontier Sciences
- Department of Materials Science and Engineering
- Department of Advanced Mechanical Systems

New Frontier Sciences originated at Kumamoto University from a unique fusion of science and engineering. This interdisciplinary field provides a variety of educational and research opportunities to students who are interested in advancing both science and engineering. We are looking for students who are eager to open up new interdisciplinary research fields and to contribute to the welfare of humankind through the advancement of science and engineering.

Advanced Technology
- Department of Applied Chemistry and Biochemistry
- Department of Materials Science and Engineering
- Department of Advanced Mechanical Systems
- Department of Intelligent Mechanical Systems

Advanced General Education
- Advanced Liberal Arts
- Special Program for Foreign Language

Professional Education
- Division of Regional Joint Education
- Division of Joint Education with Work Training

Architectural and Civil Engineering
- Department of Environmental Conservation Engineering
- Department of Environmental Management and Planning
- Department of Architecture and Environment Planning
- Department of Building Materials and Structures

Implementation Research and Education System Center for Reducing Disaster Risk (IERSC)
IERSC promotes education and research activities about reduction of disasters to aim at early implementation and sustainable development for robust-and-resilient society to carry out prompt and flexible response to disasters. These activities are developed through not only universities but also real fields which intends to link research technologies/techniques and the implementation in society seamlessly as social science and engineering, and to engage in human resource development to establish robust-and-resilient social system against disasters.
I. Ideas and Goals

The Graduate School of Science and Technology aims to foster people with leadership and the ability to solve various problems presented by the rapidly changing society with a flexible approach from scientific and technological points of view. In order to achieve this goal, we offer the Master’s Course in which students receive more specialized education and the Doctoral Course in which students learn from leading-edge, interdisciplinary, and comprehensive education and research. Through these two integrated Courses we provide students with a comprehensive background in multiple specialized fields so as to be able to conduct interdisciplinary work.

We also aim to foster people with broader views, creativity, and leadership by promoting collaboration with leading research institutions, so that we are able to supply talented people to the local community to contribute to its development. Furthermore, we aim to make the Graduate School more open to the local and global communities by providing more educational opportunities to adult and international students.

II. Organization Chart

Graduate School of Science and Technology

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<tr>
<th>Field</th>
<th>Department</th>
<th>Course</th>
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<td>Master’s Course</td>
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<td>Science</td>
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<td>Chemistry</td>
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<td>Earth and Environmental Sciences</td>
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<td>Biological Sciences</td>
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<td>Mathematics</td>
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<td>Applied Mathematics</td>
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<td>New Frontier Sciences</td>
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<td>Applied Chemistry and Biochemistry</td>
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<td>Materials Science and Engineering</td>
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<td>Mechanical System Engineering</td>
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<td>Computer Science and Electrical Engineering</td>
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<td>Civil and Environmental Engineering</td>
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<td>Architecture</td>
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<td>Doctoral Course</td>
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<tr>
<td>Science</td>
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<td>Environmental Conservation Engineering</td>
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<td>Environmental Management and Planning</td>
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<td></td>
<td>Building Materials and Structures</td>
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</tbody>
</table>

III. Services for International Students

Center for Globalization

The Center offers Japanese language courses and counseling to international students. Together with International Student Office, they provide assistance with various aspects of daily life for students from abroad, such as housing, scholarships, and financial aid for medical care, and also organize field trips and events. They promote international exchange by providing instruction and guidance to international students and also to Japanese students who wish to apply for study abroad programs.

http://www.kumamoto-u.ac.jp/international/

Housing

Kumamoto University International House

This accommodation has 147 single rooms, 6 couple-type rooms, 7 family-type rooms and 72 shared rooms for students and scholars from abroad. Students and scholars can stay here up to 1 year. ($17,000 - 45,000/month)

http://www.kumamoto-u.ac.jp/international/prospective_accommodation/international_house/

Scholarships

Japanese Government (Monbukagakusho, MECD) Scholarship

Applicants must be under 35 years of age. The scholarship provides a round trip ticket to Japan and monthly stipend of ¥144,000 for a Master’s student, ¥155,000 for a Doctoral student as of 2014. Enrollment fee and tuition are exempted.

Application to the Scholarship

1. Recommendation by the Japanese Embassy
2. Recommendation by Kumamoto University
3. International Joint Education Program (Field of Computer Science and Electrical Engineering) in GSST, Kumamoto University
4. Domestic Application

Scholarships from other sources

Other scholarships are available for private-funded students, after they enroll in the University. Information can be obtained at the Academic Affairs Section of GSST.

Tuition Exemption

Private-funded students can apply for exemption of tuition fees. Exemption is made on a term-to-term basis depending on the financial conditions and academic records of the applicant.

http://www.kumamoto-u.ac.jp/international/prospective/fees/

IV. Access Guide

Access Guide to Kumamoto

Area Map

Graduate School of Science and Technology (GSST)
Kumamoto University
2-35-1 Kurokami, Chuou-ku, Kumamoto 860-8556 Japan
Phone: +81-96-342-3516 Fax: +81-96-342-3510
http://www.gsst.kumamoto-u.ac.jp/index_en.html