DATA
OF
KUMAMOTO UNIVERSITY
2019
Vision and Goals

Vision
Kumamoto University aims to contribute to the community and global society by cultivating intelligent, moral, and skillful people, while working for the creation, inheritance, and development of knowledge, following the spirit of the Fundamental Law of Education and the School Education Law.

Goals

Education
In order to cultivate unique, creative people, the university provides a comprehensive education based on a consistent philosophy followed by all our undergraduate departments and graduate schools.

Our undergraduate departments, with the help of a broad education, inculcate in students the abilities of international communication, adapting to the information age, and thinking and acting independently.

Our graduate schools cultivate highly specialized workers with comprehensive reasoning ability, technical knowledge, and internationally recognized skills, in addition to deep insight into human beings and nature, on the basis of the undergraduate education that the workers have received.

As an institution that is open to the public, the university offers a place where people can engage in lifelong learning.

Research
The university strives to protect and develop humankind’s cultural heritage, while enhancing its capabilities to function as a center of advanced academic research and proactively promote cutting-edge, creative academic research.

In addition, by making use of its unique features, comprehensively deepening knowledge in the fields of human science, social science, and natural science, as well as promoting interdisciplinary research, Kumamoto University is working to contribute to the harmonious coexistence of humans and the environment, as well as sustainable societal development.

Contributions to local and global communities
As a university located in a regional hub city, the university will strengthen its cooperation with the local community and serve the functions of being a central research facility and cultivating leaders in the local community. By striving to convey our academic culture to the world, the university will contribute to the promotion of local industry and to advancing the provision of information about the culture.

In addition, the university strives to promote international intellectual exchange, educate international students, and train graduate students capable of producing a bilateral international exchange.
2 History and Organization

A long tradition and history of 260 years since Saishunkan was established, and 130 years since The Fifth Higher Middle School was established. The University is rooted in the community and is showing an international presence.

1756 Saishunkan
1874 (Temp.) Kumamoto Teachers College
1876 Kumamoto Medical College
1894 The Fifth High School
1943 Kumamoto Teachers College (Men’s & Women’s)
1944 Kumamoto Youth Teachers College
1756 Banjien
1929 Kumamoto University
1925 Kumamoto Pharmaceutical College

1949 Kumamoto University

2004 National University Corporation Kumamoto University

Apr. 2019 National University Corporation Kumamoto University

Faculties
- Faculty of Letters
- Faculty of Education
- Faculty of Law
- Faculty of Science
- Faculty of Medicine
- Faculty of Pharmacy
- Faculty of Engineering

Graduate Schools
- Faculty of Humanities and Social Sciences
- Graduate School of Social and Cultural Sciences
- Faculty of Advanced Science and Technology
- Graduate School of Science and Technology
- Faculty of Life Sciences
- Graduate School of Medical Sciences
- Graduate School of Health Sciences
- Graduate School of Pharmaceutical Sciences
- Graduate School of Education
- Graduate School of Teacher Education

Diploma Course
- Diploma Course in Special Needs Education

Special Course
- Yogo Teacher Training Special Course

Research Institutes
- Institute of Molecular Embryology and Genetics
- Institute of Pulsed Power Science

Adjunct Facilities and Organizations
- University Hospital
- Joint Research Center for Human Retrovirus Infection
- University Library
- Health Care Center
- Priority Organization for Innovation and Excellence
- Kumamoto Innovative Develop Organization
- Organization for Globalization
- Headquarters for Admissions and Education
- International Research Center for Medical Sciences
- International Research Organization for Advanced Science and Technology
- Student Accessibility Support Room
- University Archives

Inter-Department Institutes for Education and Research
- Center for Management of Information Technologies
- The Memorial Museum of the Fifth High School
- Eisei-Bunko Research Center
- Research Center for Instructional Systems
- Center for Water Cycle, Marine Environment, and Disaster Management
- Magnesium Research Center
- Institute of Resource Development and Analysis
- Environmental Safety Center
- Research Center for Buried Cultural Properties
### Student Enrollment • Student Admission

#### [Student Enrollment]

11,116 students, including attached schools

- **Male**: 6,704
- **Female**: 4,412

#### Undergraduate Students

- **Letters**: 774 (31%)
  - Male: 242
  - Female: 532
- **Education**: 1,090 (43%)
  - Male: 471
  - Female: 619
- **Law**: 908 (51%)
  - Male: 466
  - Female: 442
- **Science**: 823 (76%)
  - Male: 622
  - Female: 201
- **Medicine**: 1,325 (47%)
  - Male: 624
  - Female: 701
- **Pharmacy**: 501 (48%)
  - Male: 241
  - Female: 260
- **Engineering**: 2,336 (82%)
  - Male: 1,906
  - Female: 430

**Total Undergraduate Students**: 7,757

- **Male**: 3,572
- **Female**: 3,185

#### Graduate Students (Master)

- **Education**: 49 (53%)
  - Male: 26
  - Female: 23
- **Social and Cultural Sciences**: 147 (51%)
  - Male: 75
  - Female: 72
- **Science and Technology**: 926 (86%)
  - Male: 795
  - Female: 131
- **Medical Sciences**: 35 (46%)
  - Male: 16
  - Female: 19
- **Health Sciences**: 51 (55%)
  - Male: 28
  - Female: 23
- **Pharmaceutical Sciences**: 67 (67%)
  - Male: 45
  - Female: 22

**Total Graduate Students (Master)**: 1,275

- **Male**: 945
- **Female**: 330

#### Graduate Students (Doctor)

- **Social and Cultural Sciences**: 66 (47%)
  - Male: 31
  - Female: 35
- **Science and Technology**: 157 (80%)
  - Male: 125
  - Female: 32
- **Medical Sciences**: 318 (69%)
  - Male: 220
  - Female: 98
- **Health Sciences**: 40 (38%)
  - Male: 15
  - Female: 25
- **Pharmaceutical Sciences (Clinical Pharmacy)**: 32 (78%)
  - Male: 25
  - Female: 7
- **Pharmaceutical Sciences (Life Sciences)**: 50 (48%)
  - Male: 24
  - Female: 26

**Total Graduate Students (Doctor)**: 663

- **Male**: 401
- **Female**: 262

#### Professional Graduate School

- **Master of Education**: 35

#### Diploma Course and Special Course

- **64**

#### Attended Schools

- **Kindergarten**: 134
- **Junior High School**: 480
- **Elementary School**: 647
- **Special Support School**: 61

**Total Attended Schools**: 1,322

#### [Student Admission]

In Kumamoto University, students are gathered from all over Japan, mainly in Kyushu.

- **Applicants**: 5,381
  - **Kyushu**: 4,680
  - **Others**: 701

- **Newly Enrolled Students**: 1,737
  - **Kyushu**: 1,604
  - **Others**: 133

(May 1st, 2019)

(April 2019)
4 Education

Degrees Awarded
(FY2018)

Bachelor: 1,780
Master: 589
Doctor: 161

Employment among Graduates
98%

61% of students of science and engineering continue higher education.

73% of graduates find employment locally in Kyushu, including Kumamoto.
We have produced a wide range of human resources who contribute to local communities.

31% of 1,780 graduates have advanced to graduate schools.
61% of undergraduate students of science and engineering have continued higher education.

Total of graduates reached to 86,569.
They are active in various fields of society.

Education System
7 Faculties and 6 Graduate Schools

Faculties

Faculty of Letters
(4 departments)

Department of Integrated Human Studies
Department of History
Department of Literature
Department of Communication and Information Studies

Faculty of Education
(4 Curricula)

Elementary School Teacher
Junior High School Teacher
Special Needs Education Teacher
School Health Teacher

Faculty of Law
(1 department and 2 courses)

Department of Law
• Law and Public Policy Studies Course
• Advanced Leader Course

Faculty of Science
(1 department and 5 courses)

Department of Science
• Mathematics
• Physics

Faculty of Medicine, School of Medicine

Faculty of Medicine, School of Health Sciences
(3 courses)

Course of Nursing
Course of Radiological Sciences
Course of Medical Laboratory Sciences

School of Pharmacy
School of Pharmaceutical and Life Sciences

Faculty of Engineering
(4 departments)

Department of Civil and Environmental Engineering and Architecture
Department of Mechanical and Mathematical Engineering
Department of Computer Science and Electrical Engineering
Department of Materials Science and Applied Chemistry

Graduate Schools

Graduate School of Education
Graduate School of Social and Cultural Sciences
Graduate School of Pharmaceutical Sciences

Graduate School of Science and Technology
Graduate School of Medical Sciences
Research

Publications

Number of citations is the top 26 in Japan.

In Pharmacy and Toxicology, 4th

In Biological and Biochemical fields, 4th

- Based on “Essential Science Indicators” database by Clarivate Analytics.
- The number of citations for 10 years from January 2009 to April 2019.
- This ranking is not a ranking of universities, but is a research institution ranking that includes not only universities but also research institutes such as laboratories and companies.

Institutions Collaborating with Kumamoto University (2009—2019)

- 91 countries
- 355 institutes in Japan
- 1,871 overseas institutions

* Figures in map are number of collaborating institutions
## 5 Research

### Unique Research Projects

Kumamoto University set three support stages, "Globally-advanced," "Excellent" and "Challenging" research projects, to encourage and support according to each stage from project starting to world best research.

**Globally-advanced Research (4 groups)**

Four groups, which have been selected for the Global COE program in the past, have established a world-class education and research core, and have develop human resources leading the world. They represent Kumamoto University as the world's highest-level advanced and leading research groups.

<table>
<thead>
<tr>
<th>Group</th>
<th>Leader / Subleader</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stem-Cell Based Tissue Regeneration Research and Education Unit</td>
<td>NISHINAKAMURA Ryuichi / ERA Takumi</td>
</tr>
<tr>
<td>International Research Center Aiming at the Control of AIDS</td>
<td>LENO Takama / SUZU Shinya</td>
</tr>
<tr>
<td>Pulsed Power Science and Application</td>
<td>KATSUKI Sunao / HOKAMOTO Kazuyuki</td>
</tr>
<tr>
<td>International Research Core for Advanced Magnesium Alloys</td>
<td>KAWAMURA Yoshihito / TAKASHIMA Kazuki</td>
</tr>
</tbody>
</table>

**Kumamoto University Excellent Research Projects and Challenging Research Projects (Starting from FY2017)**

**•Kumamoto University Excellent Research Projects (8 projects)**

The Kumamoto University Excellent Research Projects aims to develop world-leading research areas that represent the potential of Kumamoto University. It focuses on nurturing researchers who are already highly successful in their respective fields so that they may pass their knowledge on to future generations. Only the most highly evaluated projects are approved for the three-year funding support.

<table>
<thead>
<tr>
<th>Project</th>
<th>Researcher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elucidation of the common mechanism between cancer and mental disorder through LINE-1 analyses</td>
<td>BABA Hideo</td>
</tr>
<tr>
<td>Next-Generation Drug Discovery Research Using Unique Libraries</td>
<td>SUGIMOTO Yukihiro</td>
</tr>
<tr>
<td>COE for Study on Japanese Early Modern History by comprehensive analysis of material of the Kumamoto Domain</td>
<td>INABA Tsuguharu</td>
</tr>
<tr>
<td>Research core for aging and healthy life expectancy</td>
<td>TOMIZAWA Kazuhito</td>
</tr>
<tr>
<td>The Molecular Agriculture - From Kumamoto to the world -</td>
<td>SAWA Shinichiro</td>
</tr>
<tr>
<td>Development of functional materials using 2D-materials</td>
<td>IDA Shintaro</td>
</tr>
<tr>
<td>Mechanisms of leukemogenesis by chronic infection and inflammatory stress: adult T-cell leukemia as a model</td>
<td>MATSUOKA Masao</td>
</tr>
<tr>
<td>Materials Interface Architecture towards Innovative Structural and Functional Materials</td>
<td>TSUREKAWA Sadahiro</td>
</tr>
</tbody>
</table>

**•Kumamoto University Challenging Research Projects**

Bold research projects with the potential for revolutionizing established concepts and changing the direction of academia fall within the framework of Kumamoto University Challenging Research Projects. These programs aim to revitalize research that may represent the future of Kumamoto University and are funded for one year.
6 Industry-Government-Academia Collaboration

Asia Pacific’s Most Innovative Universities 2019 by Reuter

Top 10 in Japan

Joint and Commissioned Research Projects
Kumamoto University promotes joint research projects and commissioned research projects in order to cooperate with the industries with "Kumamoto Innovative Development Organization" as the contact point.

Total number of joint and commissioned research projects in FY2018: 717

2.37 times increased compared to FY 2007

Joint research funding received from private companies in FY 2017:

Among Japanese universities with 1000-1500 researchers

Top 4

Regional Contribution

Project to support volunteer activities for Kumamoto earthquake 2016
The project provides support for shelter management, support to move to temporary housing, education support for children in shelters, and support for the sightseeing sites damaged by harmful rumors by advertising through the web.

Student Volunteer Registration in FY2018 187

Total number of volunteers 1,525
8 Global Engagement

International exchange agreements
We actively promote exchanges with top global universities as a university leading globalization of the region.

As a university leading the globalization of the region, Kumamoto University positively promotes exchanges with the top universities in the United States, Europe and Asia under the slogan "A Leading University Cultivating Global Leaders from Kumamoto". We have signed international exchange agreements with 267 institutions in 53 countries/regions around the world (as of September 2019).

International students and Japanese students studying abroad

International Students (as of May 1, 2019)
- China: 43%
- Indonesia: 9%
- Malaysia: 5%
- Bangladesh: 5%
- Taiwan: 5%
- Korea: 7%
- Other Asian countries: 13%
- Europe: 5%
- Africa: 4%
- Other: 2%
- Middle East: 2%
- South-Middle America: 1%
- Oceania: 1%

Among them, 427 students (87%) are from Asia.

The total number of international students is 495 from 46 countries/regions (as of May 2019). Among them, 427 students (87%) are from Asia.

Researchers and scholars exchanges
In FY2018, 1,237 researches were sent abroad and 359 foreign researchers visited to Kumamoto University.
Global Engagement

- **Kumamoto University Short-Term Exchange Program**
  This program is designed for full-time undergraduate students who are from universities that have a student exchange agreement with Kumamoto University, and have foreign citizenship.

- **Kumamoto University Japanese Studies Program**
  This one-year program is intended for undergraduate international students who are majoring in fields related to Japanese language and culture.

- **Japanese Language Classes**
  The College of Cross-Cultural and Multidisciplinary Studies offers Japanese language classes for international students and researchers at Kumamoto University.

- **Kumamoto University Summer and Spring Programs**
  Kumamoto University offers two short-term study programs for undergraduate students from our partner universities.

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**The Kumamoto Area**

Kumamoto Prefecture, the home of Kumamoto University, is located in the center of Kyushu and boasts a unique history and culture, fresh groundwater and abundant nature. The capital, Kumamoto City has been flourishing as a castle town since 1607 when Kumamoto Castle was fortified by Lord Kiyomasa Kato, a military commander. The city presently has a population of over 740,000, and continues to develop as an administrative, economic and cultural center and as a base for health care and education in central Kyushu.
Global Engagement

8 overseas offices in 7 countries / regions
Overseas offices are established aiming to service as a base of research and educational exchange, to promote joint researches with foreign researchers and to disseminate information on Japan and Kumamoto University.

Kumamoto University Liaison Office at KAIST <Korea>
Kumamoto University Liaison Office at ITS <Indonesia>
Kumamoto University Dalian Office <China>
Kumamoto University Sudan Office <Sudan>
Six National Universities Network (SUN) Changchun Joint Office <China>
Six National Universities Network (SUN) European Platform of SixERS <The Netherlands>
Six National Universities Network (SUN) Bangkok Office of AP-SixERS <Thailand>
Kumamoto University Liaison Office at STUST <Taiwan>

Ministry of Education, Culture, Sports, Science and Technology (MEXT)
TOP GLOBAL UNIVERSITY PROJECT
In 2014, Kumamoto University was selected as one of 37 universities to take part in the Top Global University Project, implemented by the Ministry of Education, Culture, Sports, Science and Technology. Our slogan “A Leading University Cultivating Global Leaders from Kumamoto” reflects educational reforms which aim to transform Kumamoto University into a truly global university and help us become established and ranked as a world-class institution with state-of-the-art research centers.

Select Achievement

Number of KU Global Youth Campus Program participants 1,453 (FY2018)
(The KU Global Youth Campus Program aims to develop and provide a global education environment through a variety of learning experiences and events for young people who are preparing for higher education.)

Number of international double-degree programs 17 (FY2018)
University Library

More than 1,250,000 books
More than 17,000 titles of electronic journals

Foreign books
481,712
- Central library 351,264
- Medical library 106,947
- Pharmacy library 23,501

Japanese books
776,209
- Central library 694,675
- Medical library 65,553
- Pharmacy library 15,981

The University Library is composed of the Central Library, the Medical Library and the Pharmacy Library. Approximately 500,000 visitors borrow 61,000 books in a year.

University Hospital

Average number of outpatients per day: 1,522
Number of beds: 848
Number of staff members: 2,162, including 873 nursing staff members

Cumulative total number of patients: 371,344
Cumulative total number of inpatients: 248,236

Average number of outpatients: 1,521.9 per day
Average number of inpatients: 680.1 per day

Through advanced medical safety management, Kumamoto University Hospital practices patient-first medical care, is dedicated to medical development and educating medical professionals, and contributes to the health and welfare of its community.
11 Budget Breakdown

Budget for FY2019: ¥57.5 billion yen

[Statements of Income (FY2019)]
- Subsidy for facility: ¥1,797 million
- Commissioned research: ¥4,768 million
- Miscellaneous income: ¥172 million
- Loan for facility: ¥1,205 million
- Grants for management: ¥14,530 million
- Tuition: ¥6,125 million
- University hospital: ¥28,860 million

[Statements of Expenditure (FY2019)]
- Commissioned research: ¥4,768 million
- Debt redemption: ¥2,756 million
- Expenditure for facility: ¥3,002 million
- Expenditure budget: ¥57,457 million
- Cost of supplies: ¥27,226 million
- Personnel cost: ¥19,705 million

12 University Personnel

As of May 1, 2019, Number of University Personnel is 2,740

Including 1,048 education and research staff

- Professors: 312
- Associate Professors: 296
- Assistant Professors: 288
- Lecturers: 64
- Teachers: 87
- Research Assistant: 1
- University Hospital Staff: 1,159
- Administrative and Teaching Staff: 533

1 educational research staff per 10 students

*Including parental leave etc.
*Except for the fixed-term employment staff
Kumamoto University Museums

The main building of the former Fifth High School, now the Memorial Museum, is the symbol of Kumamoto University. The building has been designated as a National Cultural Property.

* The Memorial Museum of the Fifth High School (National Important Cultural Property) * It is currently closed because of Kumamoto earthquake in 2016.

* The Chemical Laboratory of the Fifth High School (National Important Cultural Property) * It is currently closed because of Kumamoto earthquake in 2016.

* The Front Gate (National Important Cultural Property)

* Museum of the Engineering Faculty (National Important Cultural Property) * It is currently closed because of Kumamoto earthquake in 2016.

* Yamasaki Hall (Registered Tangible Cultural Property)

* Higo liku Museum (Higo liku Monument Hall)

* The Kumayaku Museum (Kumayaku Alumni Hall)
University Campuses

Kumamoto City, the City of Water and Forest. The total area of Kumamoto University, which is located in the center of Kumamoto City, is approx. 680,000 square meters.

Kurokami Campus

Honjo Campus

Oe Campus