

Gifu University (National)

Graduate School of Natural Science and Technology

Program name

Advanced Global Program (AGP) in Engineering Field

◆ Degrees:

Master of Engineering

◆ Credit and years needed for graduation:

30 credits, 2 years

◆ Address:

Yanagido 1-1, Gifu, 501-1193, JAPAN



Features of University

In Gifu, which is called the country of clear streams and is blessed with abundant nature, diverse cultures are nurtured against the background of geographical conditions and history where East and West cultures come into contact, while new technologies and skills are created and handed down continuously.

Gifu University inherits these characteristics of Gifu. Under the motto "learn, study, and contribute", Gifu University's mission is to produce human resources who can lead the society and create a bright future. Gifu University has all the faculties and graduate schools on one campus. In addition, Gifu University collaborates with Nagoya University, which constitutes the same corporation, in terms of both education and research. Taking advantage of these characteristics, Gifu University will develop "education to train highly specialized professionals", "high-quality research that forms the basis of education", and "internationalization rooted in the community". Furthermore, by returning these results to the region, we aim to become the "core of regional revitalization."

<https://www.gifu-u.ac.jp/en/>

Features of Graduate School

The Graduate School of Natural Science and Technology (Master's Program) has integrated and reorganized the contents of engineering, applied biological sciences, and regenerative medicine into the following majors from the viewpoints of "life, environment, and manufacturing," which is one of the key research fields of Gifu University.

Department of Life Science and Chemistry
Department of Agricultural and Environmental Science
Department of Civil and Environmental Engineering
Department of Materials Science and Processing
Department of Intelligence Science and Engineering
Department of Energy Engineering
International Joint Department of Food Science and Technology

The Graduate School of Natural Science and Technology accepts students with a strong interest in life sciences, environmental sciences and manufacturing, and also with great potential of becoming highly specialized professionals in businesses and the government administration both in Japan and abroad. In technology and science based problem-solving, students need to be flexible enough to apply their expertise of his/her specific academic field to another, be creative enough to spur innovations, and develop strong global mindset to compete in international arena in the future. With these key elements required to applicants in mind, we look forward to applications from those who can meet the criteria from 1 to 4 below:

1. Willingness to obtain profound expertise particularly in the field of leading sciences and technology,
2. willingness to acquire a wide range of knowledge in order to respond to any societal changes flexibly
3. Willingness to create new ideas, mechanisms and innovations for a wide variety of issues in specialized fields,
4. Willingness to address regional issues from global perspectives while responding to an increasingly globalizing international community.

<http://gnst.gifu-u.ac.jp/e/>

Features of the Program

Advanced Global Program (AGP) in Engineering Field

All classes in AGP are conducted in English.

■ Exchange various senses of values and diverse cultures

- Learning together with Japanese students and pick up mutual language in everyday life

■ Global Internship

- International students are sent to Japanese companies or institutions
- Japanese students are sent to our oversea partner universities

■ Job guidance and support for working in Japan.

■ This program is aimed for highly-educated professional leaders who can contribute both globally and locally.

■ This program admits both international (foreign) and Japanese students.

■ This program is offered in two academic years commencing in either the spring or fall term.

The 5 departments (10 divisions) in Graduate School of Natural Science and Technology have AGP in the Engineering field. The AGP students will belong to one of the divisions listed below:

1. Department of Life Science and Chemistry

1-1 Chemistry and Medicinal Sciences Division

2. Department Civil and Environmental Engineering

2-2 Environmental Studies Division

2-3 Disaster Reduction Studies Division

3. Department of Materials Science and Processing

3-1 Materials Chemistry Division

3-2 Materials Processing Division

4. Department of Intelligence Science and Engineering

4-1 Intelligent Mechanical Engineering Division

4-2 Informatics Division

4-3 Applied Mathematics and Physics Division

5. Department of Energy Engineering

5-1 Energy Conversion Division

5-2 Electrical and Energy System Engineering Division

JDS fellows will be enrolled as an AGP student.

Necessary Curriculum to Obtain the Degrees

The students of AGP in Engineering can obtain the Degree of Master of Engineering by completing the following study requirement. The student should earn 30 credits and submit master's thesis. All of the following conditions should be satisfied for credits.

To earn 4 credits or more from Graduate school common subjects, including 3 compulsory credits

To earn 14 credits or more from Specialized research subjects, including 14 compulsory credits

To earn 2 credits or more from Division core subjects

To earn 4 credits or more from Specialized subjects

List of faculty members capable of guiding JDS Fellows

Since all of divisions in Graduate School of Natural Science and Technology offer AGP as Master's degree program, the faculty members having qualification for supervising master students can guide AGP student. Thus, all of professors and associate professors and a part of assistant professors can supervise master students. Prospective JDS fellows can choose a faculty member from divisions in the Engineering fields.

Department	Division in Engineering field	URL
Life Science and Chemistry	Chemistry and Drug Discovery Division	https://gnst.gifu-u.ac.jp/e/lifesci/chemdrug/index.html
Civil and Environmental Engineering	Civil and Environmental Engineering	https://gnst.gifu-u.ac.jp/e/depcivilenvi/index.html
Materials Science and Processing	Materials Chemistry Division	https://gnst.gifu-u.ac.jp/e/matsciproc/matchem/index.html
	Materials Processing Division	https://gnst.gifu-u.ac.jp/e/matsciproc/matproc/index.html
Intelligence Science and Engineering	Intelligent Mechanical Engineering Division	https://gnst.gifu-u.ac.jp/e/intellscieng/intellmecheng/index.html
	Informatics Division	https://gnst.gifu-u.ac.jp/e/intellscieng/infomatics/index.html
	Applied Mathematics and Physics Division	https://gnst.gifu-u.ac.jp/e/intellscieng/applmathphy/index.html
Energy Engineering	Energy Conversion Division	https://gnst.gifu-u.ac.jp/e/energyeng/energyconversion/index.html
	Electrical and Energy System Engineering Division	https://gnst.gifu-u.ac.jp/e/energyeng/elect-energyeng/index.html

<https://gnst.gifu-u.ac.jp/e/guide/index.html>

Academic Schedule

Entrance Examination for the Master's Program: February 2025

Entrance as Master Students: Fall Semester: October 1, 2025

Spring Semester: April 1, 2026, Fall Semester: October 1, 2026, Spring Semester: April 1, 2027

Expected date of Graduation: September 30, 2027 (for those who enroll on October 1, 2025)

Facilities

The University Library is composed of the Central Library, the Medical Library, and departmental libraries. As of April 1, 2023, the Library holds 749,657 volumes of books in total, including 217,125 foreign books, as well as a large amount of electronic resources.

<https://www.lib.gifu-u.ac.jp/en/Welcome.html>

Message for Applicants

The Graduate School of Natural Science and Technology Master's Program offers the contents of Engineering, Applied Biological Science, and Regenerative Medical Science. This is a new graduate school that has been integrated and reorganized into seven majors:

“Life Science and Chemistry”

"Agricultural and Environmental Science"
"Civil and Environmental Engineering"
"Materials Science and Processing"
"Intelligence Science and Engineering"
"Energy Engineering"
"International Joint Department of Food Science and Technology"

JDS students planning to go on to our graduate school can choose an engineering major or area, which are:

"Civil and Environmental Engineering",
"Materials Science and Processing",
"Intelligence Science and Engineering",
"Energy Engineering",
and a part of "Life Science and Chemistry"

In this graduate school, students can receive practical guidance from experienced instructors who are active in industry, the national government, and local governments. The wish of all the faculty members is that all of you who have studied at this graduate school will develop your creativity, expressiveness, and social development skills, and will be active in society.