Program Highlights

The curriculum is designed to provide both a breadth of knowledge in the natural sciences and an opportunity to explore areas of interest in greater depth through hands-on experience. Students are strongly encouraged to take courses across various disciplines which provide a broad knowledge base that is becoming increasingly important in modern-day sciences. Examples include marine biology, neuroscience, genome science and more. A key feature of this program is an extensive series of laboratory courses. From the second year, students learn basic experimental methods in the preliminary laboratory course, followed by a rotation of three different laboratories of choice. This one-month laboratory rotation allows students to experience cutting-edge lab equipment and environment. After completing the laboratory course, students carry out graduation research for 1.5 years in their laboratory of choice.

The program provides an excellent starting ground for entering a broad spectrum of career paths, including fundamental biological research, applied research, medical professions, and biology-related careers in the food and pharmaceutical industries.

Does This Program Suit You?

- ☑ Those who are open-minded.
- ☑ Able to improve their observation skills.
- ☑ Have creative thinking skills, grounded in a broad base of knowledge.
- ☑ Truly enjoy science.

This may be the program for you!

NAGOYA UNIVERSITY

GLOBAL30 INTERNATIONAL PROGRAMS

We are one of the few universities in Japan offering a wide array of programs fully taught in English for the full 4 years of undergraduate education. 10 programs in total are offered under the umbrella of the G30 International Programs, ranging from various STEM programs to Social Sciences and Humanities. We welcome students with a passion for innovation and research!

- Point 1 Taught in English (No Japanese knowledge required)
- Point 2 Intensive Japanese language course
- Point 3 Research-focused university
- Point 4 Diverse world-class faculty and students
- Point 5 Good career prospects
- Point 6 帰国子女OK

▶ Find out more about the programs:
https://admissions.g30.nagoya-u.ac.jp/ ▶▶

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G30 NAGOYA UNIVERSITY GLOBAL 30 INTERNATIONAL PROGRAMS

NAGOYA UNIVERSITY | JAPAN

Biological Science Program

School of Science

Degree Awarded:
Bachelor of Science
Concentration in Bioscience

Duration : 4 years | Start Early October

Our Strengths and Unique Points

Hi there! One of the unique things about our program is that because of a small class size, our students quickly foster friendships through daily and close interactions. Our program is students-centered: students and professors have a casual meeting on a regular basis, allowing students to bring up small or even minor issues they may be facing and work together with professors to find solutions. The Biological Science program has a lab rotation system so that students can experience cutting-edge science in the laboratory of different fields before they choose a topic to be specialized in. I am sure you will enjoy research and campus life when you choose our Biological Science program. Join us, and let's have fun here!

Seiji Kojima
Professor of Biological Sciences

Your Future Career

Most graduates have chosen to pursue postgraduate study in master's and even doctoral programs at Nagoya University or other prestigious universities around the world. Some graduates have gone on to start working in the pharmaceutical, chemical and food industries, as well as public institutions, using the wide range of problem-solving and analytical skills they have developed during their undergraduate study.

Curriculum

1st year

Japanese Language, Liberal Arts & Basic Courses

Take foundational courses to ease into life at Nagoya University:

- Fundamentals of Biology I/II
- Laboratory in Biology
- Fundamental Courses in Natural Sciences

2nd year

Basic Specialized Courses

Start building your biology foundation by taking the following basic courses:

- Genetics I/II
- Biochemistry I/II
- Organic Chemistry I
- Cell Biology I/II
- Physiology and Anatomy I
- Physical Chemistry I
- Inorganic Chemistry I
- Physical and Developmental Biology
- Bioscience Laboratory I

3rd year

Specialized Courses & Laboratories

Start deciding on your specialization through specialized elective courses:

- Genetics III
- Biochemistry III
- Cell Biology III
- Bioscience Laboratory II
- **Specialized Elective Courses**
- **Advanced Bioscience Laboratory I/II/III**

4th year

Research and Thesis

Complete your research on your chosen specialization/field:

- Graduation Research in Bioscience

* Note: This curriculum outline serves to show a snapshot of what the program has to offer and does not list all graduation requirements. Please refer to the program's Graduation Requirements found on the admissions website.

Timetable

1st Year Spring Timetable Sample

	MON	TUE	WED	THU	FRI
1	Integrated Japanese II	Japanese Language Seminar II	Integrated Japanese II	Integrated Japanese II	Japanese Language Seminar II
2				Fundamentals of Biology II	
3		Laboratory in Biology B		Fundamentals of Chemistry II	Health and Sports Science: Practicum
4		Laboratory in Biology B			Introduction to Cultural Studies or Culture and Representation
5		Laboratory in Biology B			

Student Voice

4th Year
Indonesia

What sparked your interest in the G30 Biological Science program?

I was interested in the Biological Science program because I've always had a keen interest in biology, especially it's medical aspect. I think biological science is broad enough that I can explore my interests before specializing.
I considered Japan because of its good reputation in research and technology; I thought pursuing my degree here would give me better opportunities. In the future, I'd like to do master's abroad and possibly work in a company or pursue academia. For future students, this program allows you to focus on learning about biology and it supports your research endeavors as you can choose a laboratory to do your project in.

What courses did you take in high school?

In high school, I took:

- IB HL Math AA
- IB HL Biology
- IB HL Chemistry
- IB SL Psychology
- IB SL Mandarin
- IB SL English: Language and Literature

1 DAY SCHEDULE

What does a day look like in your 4th year?