



Sapna Sinha

India

School of Engineering

Konnichiwa! I am Sapna Sinha, 4th year Chemistry student in the G-30 program. I am from India but I grew up in Japan where I found my love and appreciation for the Japanese culture, tradition and of course, the exquisite Japanese cuisine. Needless to say, the research environment in Japan is top notch and very competitive and joining the G30 program at Nagoya University was undoubtedly one of the best decisions I've made so far. The G-30 program has not only great educational standards but also gives you the opportunity to get familiar with the multinational culture that comes from the diverse group of students. Moreover, the smaller class size makes it easier to interact and discuss with the professors individually and connect with the most up to date findings in the field. In the end, on a personal note, I think Japan is a beautiful country and studying in the G30 program at NU was a lifetime experience!

Chemistry Program



NAGOYA UNIVERSITY GLOBAL 30 INTERNATIONAL PROGRAMS
Undergraduate Programs

Chemistry Program

Automotive Engineering

Biological Science

Chemistry

Fundamental and Applied Physics

Social Sciences

Japan-in-Asia Cultural Studies

NAGOYA UNIVERSITY GLOBAL 30 INTERNATIONAL PROGRAMS **Undergraduate Programs**

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名古屋大学



Chemistry Program

Bachelor of Science / Bachelor of Engineering



Program Outline

In order to provide a high level of expertise, generate curiosity and nurture creative minds, the Chemistry Program offers integrated and systematic education across the School of Science and the School of Engineering. The curriculum is designed to develop theoretical knowledge and experimental skills through interactive lectures, practical workshops, seminars and laboratories. Courses in the first three years include Basic Chemistry, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry and Physical Chemistry, followed by advanced topics in Bio-organic Chemistry, Bio-inorganic Chemistry, Organometallic Chemistry, Solid State Chemistry, Quantum Chemistry, Material Chemistry, and Polymer Chemistry. In the final, fourth year, students join research groups in the School of Science or the School of Engineering to carry out laboratory research for their graduation theses.

– School of Science

School/Stream-specific Feature

Understanding basic concepts and issues in the science of Chemistry is the dominant principle of the curriculum at the School of Science. Both teaching and research are focused on understanding nature at the atomic and molecular levels, and on using that understanding to explore the frontiers of science in Chemistry and many interdisciplinary fields. Students acquire a combination of general knowledge and advanced expertise, which is essential in both academia and industry.

Career Prospects

Many companies and academic institutions nowadays recognize that further globalization is the key to their ability to discover new opportunities in the worldwide marketplace. Our education emphasizes teamwork and leadership, problem solving, personality development and cross-cultural international communication skills, which are all indispensable for a successful international career. The top-notch research environment, which has produced two recent Nobel laureates, in combination with talented students gathered from Japan and all over the world, empowers our graduates to become young global leaders in industry, government and academia, responsible for the future trends in chemical sciences.



– School of Engineering

School-specific Feature

Understanding basic chemistry, biotechnology and their scientific application are the dominant principles of the curriculum at the School of Engineering. Both teaching and research are focused on understanding nature at the atomic and molecular levels, and on using that understanding to explore the frontiers of science and engineering in applied chemistry and biotechnology. Students acquire a combination of general knowledge and advanced expertise, which is essential in both academia and industry. In the Applied Chemistry stream, students tackle advanced research from the standpoint of chemistry. Innovative technology and new principles will be built up and applied to new fields, which have not yet been covered by researchers, in organic chemistry, inorganic chemistry, analytical chemistry, and material chemistry. In the Biotechnology stream, students tackle advanced research from the standpoint of biochemistry and bioengineering. Innovative technology and new principles will be built up and applied to new fields, which have not yet been covered by researchers, in bioorganic chemistry, agricultural biology, and fermentation engineering.

Career Prospects

Graduates of the Department of Applied Chemistry or Biotechnology may go on to the Graduate Department of Applied Chemistry or Biotechnology (G30 Master and Doctoral Programs), or find employment in manufacturing, chemical, pharmaceutical, and food industries, public institutions, etc.