

International Program to Conjoin Brain Science and Society

Japan Government (MEXT) Scholarship Special Program for 2022

Application Guide for Admission Internal Selection for Applicants from Nagoya City University

Enrollment October 2023

Nagoya City University

Course Summary

This course is a joint education program in which five graduate schools of NCU (Medical Sciences / Pharmaceutical Sciences / Design and Architecture / Nursing / Science) work together to accept international students mainly from developing countries and educate them with Japanese students. Through this program, students will have a comprehensive perspective on brain science and society, and aim to become highly specialized human resources who can take on the challenge of solving social issues based on the principles of the SDGs. The ultimate goal of this course is to systematically and internationally study the brain and mind, including medical and pharmaceutical sciences, and to acquire the ability to put it into practice in society.

Course Requirements

■Common Subjects (9 credits)

1. Program participants enroll in a two-year master's program or a three-year doctoral program and complete common subjects, mainly conducted in English, consisting of lectures, seminars, and group work, in addition to obtaining a degree in their respective field of specialization.

1) Lecture (6 credits)

Must earn 6 credits, including 2 required credits, required as common subjects from among 17 related courses on various aspects to be considered, and learn from experts in each area.

2) Exercises (2 credits)

Internships (1 credit): Through an internship at an off-campus institution, students will acquire skills to solve problems of the brain and mind in society.

Global Presentations (1 credit): Students will strengthen their oral communication skills by giving presentations in English at international conferences related to their research theme.

3) Group work (1 credit)

Active learning (1 credit): From the second semester of the first year and throughout the second year, students will participate in group work in mixed groups of 3-4 international and Japanese students in order to find solutions to issues related to the SDGs and brain science.

2. Research plan

Students draw up a research plan every year, and give an oral presentation at the end of the second year.

3. Program participants from doctoral course

Students participating from the doctoral course may, upon examination, transfer up to 3 credits earned in the master's program that are relevant to this program.

4. Re-entry into the program in the doctoral course

Internships (1 credit) and Global Presentations (1 credit) are required common courses for those who re-enter the program in the doctoral course from the master's course.

- **Students in this program must meet the requirements of both the graduate major and the program at the same time.**
- **4. Re-entry into the program in the doctoral course is only permitted for those enrolled in the 2023 academic year and who have completed the master's program within the standard period. Admission to the doctoral program is granted through the normal admission procedures**

As specified below, Nagoya City University seeks students wishing to enroll in the “International Program to Conjoin Brain Science and Society” in October 2023.

1. Number of students to be admitted

Course	Graduate School	Number of Students
2-year master’s course	Medical Sciences / Pharmaceutical Sciences / Design and Architecture / Science	Limited
3 -year doctoral course	Pharmaceutical Sciences / Design and Architecture / Nursing /Science	Limited

2. Eligibility for application

Eligibility is limited to applicants who passed the entrance exam and were admitted to the Nagoya City University Graduate School in April, 2023 or who intend to enter in October, 2023.

3. Application Procedure

All applicants must consult the prospective supervisor to discuss whether their research activity is appropriate for this program and obtain their supervisor’s consent before applying.

- 1) Application period: **Wednesday, 5 July – Friday 4 August, 2023**
- 2) Application documents

Application Form	Use the prescribed form. *See Note 1
Research Plan	Use the prescribed form. *See Note 1 *Describe the plan in no more than two pages (A4 size) (Tables and figures may be inserted.)
Score of English Proficiency Exam, etc.	Submit documents certifying English proficiency, such as actual score results from English proficiency tests taken since April 2021. Scores from one of the following tests are recommended. TOEIC Open Exam, TOEIC-IP (including College TOEIC), TOEFL-PBT, TOEFL-iBT (Applicants can submit more than one score. Documents must be issued by a public organization that administers English proficiency tests.) *See Note 2 <u>*If unable to submit any documents certifying English proficiency, a document prepared by the supervisor stating that the applicant possesses sufficient English proficiency will be acceptable.</u>
Graduate School Acceptance Letter	Submit a photocopy of the Nagoya City University Graduate School Acceptance Letter. *Applicants who are unable to submit the acceptance letter by the end of the application period must contact the admission office listed under ‘6. Inquiries and Submission’.

(Note 1) The prescribed form can be downloaded from the website below.

URL: <https://www.nagoya-cu.ac.jp/english/about/information/mext/>

(Note 2) When submitting TOEIC Listening & Reading Open Exam results, it is acceptable to submit a digital official certificate instead of the conventional official certificate. The digital public certificate form must be submitted with the URL code written on the back.

(Note 3) No application fee will be charged.

3) Submission of application documents

(a) How to submit

During the application period, submit the application documents in person or by post (use registered post or any other method that retains a delivery record), as a general rule. When submitting application documents by post, write in red “Enclosed application for the International Program to Conjoin Brain Science and Society” on the envelop.

Applications will not be accepted if the application documents do not reach us by the deadline or if there are deficiencies in the application documents.

(b) Where to submit

Submit application documents to Admission office listed under ‘6. Inquiries and Submission’.

4) Other matters

(a) Application documents cannot be amended after submission.

(b) Application documents will not be returned.

Handling of personal information

NCU handles personal information in accordance with the Act on the Protection of Personal Information of Nagoya City.

(1) Use of personal information

a. Names, addresses and other personal information given in application documents, etc. are used for our operations of selection for admission (e.g., application registration, selection, application result announcement, admission procedure).

b. Personal information used for selection for admission (e.g., academic transcripts) may be used as reference materials for investigative research and academic research to improve future selection for admission and graduate education. (Investigative research results are announced in such a way that individuals cannot be identified.)

c. Following admission, personal information is used for operations related to educational affairs (e.g., enrollment management, schooling guidance), student support (e.g., health control, tuition waiver, application for scholarship, job placement support), and tuition collection.

(2) Entrustment of operations to external business operators

The operations of (1) above may be entrusted to some external business operators after entering into an agreement on the proper handling of personal information.

4. Selection Procedure

(1) Date and place

Time and date: 1.30 p.m.-, Thursday, August 31, 2023

Place: Sakurayama Campus

*Each applicant will be separately informed of the exact time, location, and other details at a later date.

(2) Examination

Applicants will undergo an examination consisting of a document review based on the application documents and an oral examination on the applicant’s field of specialization, English proficiency, etc. The oral examination lasts approximately 20 minutes.

(3) Selection method

Academic evaluations (document review and oral examination) are conducted comprehensively based on the applicant's motive for applying, aptitude for the desired field of study, and basic academic abilities.

(4) Announcement of successful applicants

Announcements are scheduled for 2 p.m. on Friday, September 8, 2023.

Applicants will be informed of whether they passed or failed.

5. Financial Support for Students

The following financial support is planned for program participants.

(1) Program participants will receive study support funds (approximately equal to tuition fee) from the year of enrollment.

(2) Program participants who give presentations at international conferences overseas as part of the “Global Presentations” exercise will receive priority subsidies under the Nagoya City University International Conference Expense Support System. (Maximum subsidy amount: 80,000 yen for Asia, 150,000 yen for other regions)

*The above details regarding financial support in (1) and (2) are as of April 1, 2023 and are subject to change. The support is provided only within the standard course term.

6. Inquiries and Submission (Inquiry for enrollment and submission)

Admission Office, Nagoya City
University
Address: 1 Kawasumi, Mizuho-cho,
Mizuho-ku, Nagoya 467-8601
Phone: 052 853 8020

* Applications sent by post from overseas will not be accepted. If applying from overseas, be sure to entrust the application procedure to a proxy residing in Japan. Notifications from NCU will be sent to the proxy's address.

(Inquiry for research and education at each school)

(Graduate School of Medical Sciences)
Department of Education and Research for Medical
Sciences, Nagoya City University
1 Kawasumi, Mizuho-cho, Mizuho-ku, Nagoya
467-8601
Phone: 052-853-8545

(Graduate School of Pharmaceutical Sciences)
Administration Office for Pharmaceutical Sciences,
Nagoya City University
3-1 Tanabe-dori, Mizuho-ku, Nagoya 467-8603
Phone: 052-83-3402

(Graduate School of Design and Architecture)
Administration Office for Design and Architecture,
Nagoya City University
2-1-10 Kitachikusa, Chikusa-ku, Nagoya 467-0083
Phone: 052-721-1225

(Graduate School of Nursing)
Administration Office for Nursing,
Nagoya City University
1 Kawasumi, Mizuho-cho, Mizuho-ku, Nagoya
467-8601
Phone: 052-853-8545

(Graduate School of Science)
Yamanohata Office for Science,
Nagoya City University
1 Yamanohata, Mizuho-cho, Mizuho-ku, Nagoya
467-8501
Phone: 052-872-5802

7. List of Program Supervisors

All applicants must consult with a participating faculty member about whether their desired activities are suitable for the program and the research they wish to conduct, and obtain their supervisor's consent before applying to a program.

- 1) The list of faculty members participating in the program provided on the following page is effective as of April 1, 2023 and is subject to change.
- 2) Students of this program are required to simultaneously satisfy the requirements of both their major in the graduate school and this program.

List of program supervisors

【Graduate School of Medical Sciences】

Name	Title	Specialty
Takatoshi Ueki	Professor	Integrative Anatomy
Shinya Ugawa	Professor	Anatomy and Neuroscience
TBA	Professor	Biochemistry
Yoichi Kato	Professor	Cell Biology
Hikaru Hashitani	Professor	Cell Physiology
Hideki Hida	Professor	Neurophysiology and Brain Science
Takahiro Yasui	Professor	Nephro-urology
Satoru Takahashi	Professor	Experimental Pathology and Tumor Biology
Hiroshi Inagaki	Professor	Pathology and Molecular Diagnostics
Hisashi Oishi	Professor	Comparative and Experimental Medicine
Susumu Ohya	Professor	Pharmacology
Tadao Hasegawa	Professor	Bacteriology
Sayuri Yamazaki	Professor	Immunology
Yusuke Okuno	Professor	Virology
Yoshino Ueki	Professor	Rehabilitation Medicine
Tatsuo Akechi	Professor	Psychiatry and Cognitive-Behavioral Medicine
Mayumi Sugiura	Professor	Obstetrics and Gynecology
Shinji Saitoh	Professor	Pediatrics and Neonatology
TBA	Professor	Glial Cell Biology
Kazuhiro Yamakawa	Professor	Neurodevelopmental Disorder Genetics
Takashi Saito	Professor	Neurocognitive Science

Masumi Suzui	Professor	Neurotoxicology
Kazunobu Sawamoto	Professor	Developmental and Regenerative Neurobiology
Hiroshi Nomura	Professor	Cognitive Function and Pathology *Endowed course
Akio Niimi	Professor	Respiratory Medicine, Allergy and Clinical Immunology
Yoshihiro Seo	Professor	Cardioangiology
Takayuki Hamano	Professor	Nephrology
Shinsuke Iida	Professor	Hematology and Oncology
Kazuya Sobue	Professor	Anesthesiology and Intensive Care Medicine
Yoko Hibi	Professor	Clinical Pharmaceutics
Hiroshi Sasano Tomonori Hattori	Professor	Advancing Acute Medicine
Asako Matsushima	Professor	Emergency and Critical Care
Michihiro Kamijima	Professor	Occupational and Environmental Health
Sadao Suzuki	Professor	Public Health
Yasuhiro Aoki	Professor	Forensic Medicine
Osamu Takakuwa	Professor	Medical Education
Takeshi Kamiy	Professor	Medical Innovation
Takahiro Matsumoto Akimichi Morit Takatoshi Ueki Takashi Kato Dai Hanawa Takaya Terada	Professor	Clinical Medical Design

【Graduate School of Pharmaceutical Sciences】

Name	Title	Specialty
Hidehiko Nakagawa	Professor	Organic and Medicinal Chemistry
Seiichi Nakamura	Professor	Synthetic Organic Chemistry
Shin-ichi Ikeda	Associate Professor	Synthetic Supramolecular Chemistry

Naohide Hirashima	Professor	Cellular Biophysics (Master course only)
Junpei Yamanaka	Professor	Physical Chemistry of Colloid and Polymer (Master course only)
Michiko Shirane	Professor	Molecular Biology
Tetsuya Ozeki	Professor	Drug Delivery and Nano Pharmaceutics
Koichi Kato	Specially appointed	Structural Biology and Biomolecular Engineering
Hirokazu Yagi	Associate Professor	Multilevel Biofunctional Analytics
Toshiaki Makino	Professor	Pharmacognosy
Shigeaki Hida	Professor	Molecular and Cellular Health Sciences
Shin-ichi Hoshino	Professor	Biological Chemistry
Hisao Yamamura	Professor	Molecular and Cellular Pharmacology
Mitsuharu Hattori	Professor	Biomedical Science
Hiroaki Yuasa	Professor	Biopharmaceutics (Master course only)
Mineyoshi Aoyama	Professor	Pathobiology
Kazuhiko Kume	Professor	Neuropharmacology
Tomoya Tachi	Professor	Clinical Pharmacy, Hospital Pharmacy

【Graduate School of Design and Architecture】

Name	Title	Specialty
Sei-ichi Tsujimura	Professor	Experimental Psychology, Cognitive Science, Electrical Engineering and Information Technology
Gyuyoung Yoon	Professor	Service Design Engineering in Architecture, Energy Management
Akihiko Ono	Associate Professor	Landscape architecture Landscape design Garden design
Kiyoko Yokoyama	Professor	Information Engineering, Ergonomics

【Graduate School of Nursing】

Name	Title	Specialty
Hiroko Wakimoto	Professor	Reproductive Health-Midwifery
Motoko Yamabe	Professor	Child Health Nursing
Keiko Akashi	Professor	Perioperative Care Nursing
Mitsumi Masuda	Associate Professor	Critical Care Nursing
Yukako Ando	Professor	Chronic Illness Nursing
Hiromi Hirata	Professor	Gerontological Nursing
Yasue Kubota	Professor	Advanced Medical Nursing
Kanae Momino	Professor	Nursing Administration and Management
Fujika Katsuki	Professor	Psychiatric-Mental Health Nursing
Akiko Akiyama	Professor	Home Care Nursing
Akiko Kadoma	Professor	Community Health Nursing
Michiyo Higuchi	Professor	Public Health
Noriyo Kaneko	Professor	Health Promotion
Hiroyuki Kagami	Professor	Nursing Informatics

【Graduate School of Science】

Name	Title	Specialty
Shin-ichiro Kidou	Professor	Plant physiology, Molecular Biology
Koutarou Kimura	Professor	Neuroscience, molecular genetics, opto-physiology
Yoshinori Kumazawa	Professor	Molecular Evolution, Animal Phylogenetics, Biodiversity Science
Yoshiyuki Suzuki	Professor	Information Biology, Molecular Evolution, Population Genetics, Virology
Tetsuo Takaishi	Professor	Exercise Physiology, Biomechanics, Health Science

Yasushi Yukawa	Professor	Molecular Biology, RNA Biology
Mitsuharu Okutsu	Associate Professor	Molecular Biology and Cellular Physiology of Exercise
Nobuhiko Sakurai	Associate Professor	Bioinorganic Chemistry
Hideaki Tagami	Associate Professor	Molecular Biology, Chromatin Regulation
Kunio Nakatsukasa	Associate Professor	Metabolic biochemistry
Kaori Murase	Associate Professor	Ecometry, Ecoinformatics, Ecology, Bioinformatics
Shinobu Aoyagi	Professor	Synchrotron Radiation X-ray Diffraction, Structural Physics
Toru Amaya	Professor	Organic Chemistry, Supramolecular Chemistry, Polymer Chemistry
Naoko Kamada	Professor	Topology
Shigeto Kawata	Professor	Algebra
Atsushi Nakamura	Professor	Audio, speech and language processing, Information sequence learning identification
Yuji Watanabe	Professor	Intelligent Informatics, Information Security
Norihisa Katayama	Associate Professor	Molecular Structure, Vibrational Spectroscopy (Infrared, NIR, Raman), Chemometrics, Food
Noriyoshi Sakuma	Associate Professor	Analysis
Go Tanaka	Associate Professor	Image Processing, Color Conversion for Color Barrier-Free
Akio Tokumitsu	Associate Professor	Condensed Matter Theory
Hitoshi Miura	Associate Professor	Planetary Science, Theory of Crystal Growth
Kazuhiro Miyahara	Lecturer	Information Science, Educational Technology