Application Procedures

Applicants are requested to send the following application documents to Nagoya University via staff at the International Office of their university or a faculty member in charge of liaison with Nagoya University. If this is not possible, applicants are asked to contact Nagoya University before submission.

- NUSIP application form
- Statement of purpose
- Health certificate
- (Non-native English Speaker) Supporting documents of English Proficiency (i.e., TOEFL, TOEIC, IELTS or the equivalent)
- Three identical photographs (3.0 cm x 4.0 cm), signed on the reverse side, one of which should be attached to the 'NUSIP Application Form'.
- A copy of the passport page which shows the applicant’s name, date of birth and nationality. (Applicants who do not possess a passport at the time of application must send a copy by facsimile or e-mail as soon as they obtain one.)
- Resume

Application Deadline

Completed application forms must reach the Student Affairs Division, Graduate School / School of Engineering by the following date:

**February 28, 2018**

Contact Address

Student Affairs Division
Graduate School / School of Engineering
Nagoya University
Furo-cho, Chikusa-ku, Nagoya, 464-8603 Japan

Tel: 81-52-789-3603/3563
Fax: 81-52-789-3979
E-mail: nusip@engg.nagoya-u.ac.jp
Website: http://www.engg.nagoya-u.ac.jp/en/nusip/

Notification of Results

The results of document screening, as conducted by Nagoya University, will be made available to applicants by the **end of March 2018**.

Earn college credits while immersed in another culture and engage your intellectual curiosity with the latest findings in automobile industries in Japan that focus and succeed on a level you never thought possible. Join NUSIP for six weeks and experience the full range of Japanese cultural life. Course-related excursions will also provide you with an opportunity to discover amazing Japanese cultural scene that has enticed and entranced observers for generations.

Time schedule:

**Application Deadline:** February 28, 2018

**Course Duration:** June 13 to July 19, 2018
General Information

Overview

The 2018 summer program at Nagoya University will provide students with a rare opportunity to connect with and play a role in automobile technology. The program offers academic credits towards students' engineering degrees and beyond the core curriculum, students may further supplement their practical know-how with enrichment as they are exposed to the authentic environment of the automobile factory and research center. A Japanese language course is also offered.

Study with an Advanced Curriculum that Gets Results

— Each lecture invites you to learn in a new context, in new ways, gaining perspectives that shape the way you engage with the automobile world.
— Each lecture is as demanding as it is rewarding, resulting from the commitment of Nagoya University faculty and, in most cases, collaboration with industrial researchers from Toyota, Honda, Nissan, Mitsubishi and so forth.
— Unlike many study opportunities abroad, the NUSIP program is led exclusively by faculty, ensuring the same quality education that students encounter on their own campus.

Accommodations
University dormitory (single room)

Meals
Lunch and dinner are available at the campus cafeteria at a reasonable price.

Visa
Those who need a visa to enter Japan are responsible for getting a temporary visitor (tourist) visa.

Outline

Courses Offered
1. Seminars on Latest Advanced Technology and Tasks in Automobile Engineering (400 level) (3 credits)
2. Elementary Japanese Language Course (100 level) (3 credits)
   (Students with previous Japanese language experience will be offered a more advanced language course.)
3. Automobile industry factory and laboratory visits
4. Cultural excursions

Student Capacity
40 overseas students (including maximum of 5 students from the universities NOT having concluded academic exchange agreements with Nagoya University), and 10 Nagoya University students

Program Fee
— US$2,000 for students enrolled in the universities having concluded academic exchange agreements with Nagoya University
— US$2,500 for students enrolled in the universities NOT having concluded academic exchange agreements with Nagoya University

Both fees exclude meal and air-ticket expenses. Accommodations in Nagoya, the Japanese language course, orientation, cultural excursion and social activities are included in the program fees.

(Nagoya University students will have the fee for the Automobile Engineering course waived, but will be charged for cultural excursions and social activities.)

Language
English
**Health Insurance**

NUSIP requires health insurance coverage for all overseas participants. Japan’s National Health Insurance system is available to foreigners with long-term visas for Japan only. Therefore, overseas participants must purchase overseas health insurance prior to arrival in Japan. They are required to show proof of health insurance coverage on the first day of summer program.

**Learn from Staff Committed to Excellence**

**Program Director:**
Professor Tomohiko Tagawa, Vice-Dean, Graduate School of Engineering

**Chief Coordinator:**
Designated professor Yukio Ishida, International Education Exchange

**Instructors (Omnibus):**
Researchers or engineers from automobile companies and professors at Nagoya University

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### Course Overview

1. **Latest Advanced Technology and Tasks in Automobile Engineering** (3 credits)

   **Class hours: Three 45-minute classes a day**
   (13:30-14:15, 14:30-15:15, 15:30-16:15).
   Three to four days a week. Days are not fixed.

   - **The Car Industry, Market Trend, Circumstance and Its Future**
     Global market trend by region / Development process overview / Global automotive regulation and counter measures / Safety features / Cars in future / Electric vehicles
     [Lecturers] Mr. Kazuaki Iwamoto (Mitsubishi Motor Corp.), Mr. Yuji Tozuka (ibid.) , Prof. Yukio Ishida (Nagoya Univ.)

   - **Overview of Automotive Development Process**
     New car model / Development process / Production / Sales and marketing / Impact zero emission on technology
     [Lecturers] Dr. Chinmoi Pal (Nissan Motor Corp.), Prof. Yukio Ishida (Nagoya Univ.)

   - **Observation and Evaluation of Drivers’ Behavior Perspective**
     Measurement of drivers’ behavior / Data centric approach / Evaluations of risk factors / Improving drivers’ behavior using drive recorders
     [Lecturers] Prof. Kazuya Takeda (Nagoya Univ.), Dr. Eijiro Takeuchi (ibid), Dr. Chiyomi Miyajima (ibid.)

2. **Car Materials and Deformation Processing**

   Metal forming / High Strength Steel / Aluminum alloy / CFRP / Plastic working technology in the automotive industry /
   [Lecturers] Mr. Hirokazu Morishita (Toyota Motor Corp.), Prof. Nobuki Yukawa (Nagoya Univ.)

3. **Movement and Control of a Car**

   Introduction of automatic control and control engineering / Design of vehicle dynamics and control / Overviews of aerodynamics development of Formula 1
   [Lecturers] Dr. Masaki Nakagawa (Toyota Central R&D Labs., Inc.), Mr. Tatsuya Miyano (ibid.) and Prof. Toru Asai (Nagoya Univ.)

4. **Safety Engineering for the Prevention of Accidents**

   Driving behavior analysis and assistance system design / Design of Automated Vehicle / Innovative safety concept in Nissan
   [Lecturers] Prof. Yousuke Akatsu (Nagoya Univ.), Prof. Tatsuya Suzuki (ibid.)

5. **Crash safety**

   Traffic injuries and impact biomechanics / Sudden illness while driving / Reconstruction of the car to pedestrian collision / Regulation & NCAP / Crash compatibility for small cars safety
   [Lecturers] Prof. Masahito Hitosugi (Shiga Univ. of Medical Science), Mr. Kazuo Sugisato (Nissan), Mr. Kazuo Imura (Honda R&D Labs., Inc.) , Prof. Koji Mizuno (Nagoya Univ.)

6. **Automotive Embedded Computing Systems**

   Introduction to automotive embedded system / In-vehicle network technologies / E/E systems and ADAS / E/E systems and BSR / AUTOSTAR Classic / AUTOSTAR Adaptive
   [Lecturers] Mr. Kazuhiro Kajio (Toyota Motor Corp.) , Prof. Hiroaki Takada (Nagoya Univ.)

7. **Wireless Technologies in ITS**

   Wireless technologies for “Safe Driving” / VICS, ETC/DSRC, V2V and R2V communication systems / Sensors for safe driving: Radar, LIDAR, Camera / ITS + Big Data
   [Lecturers] Dr. Tsuneo Nakata (DENSO Corp.), Dr. Yasuhiro Hirayama (ibid.) , Prof. Masaaki Katayama (Nagoya Univ.)
2. Japanese (3 credits)

Class hours: Approximately two hours per day for 6 weeks (total 45 hours)

2.1 Elementary Japanese

Applicants who are non-native speakers of English must possess a TOEFL score of 550 <CBT =213; iBT=79>, TOEIC score of 730, an IELTS overall band score of 5.5, or the equivalent, and should attach a copy of the official score record to the application. However, those studying full time at a university where the medium of instruction is the English language are exempted from this requirement.

Eligibility

- Applicants MUST be enrolled in universities having concluded academic exchange agreements with Nagoya University at the inter-university level or with the Graduate School of Engineering at the inter-school level. However, maximum of 5 students from the universities NOT having concluded academic exchange agreements with Nagoya University may join this program.

- Applicants MUST be of senior undergraduate or graduate status during the NUSIP period (including junior undergraduates who are completing their junior program).

- Applicants MUST enclose a resume and brief statement of purpose with the program application materials. Application may be downloaded.