STUDY ABROAD PROGRAMMES IN SCIENCE

SINGAPORE NUS STUDY ABROAD EXCHANGE

Embrace a Journey

A Truly Global Experience

Transformative Science Preparing You For The Future
Welcome to the NUS Faculty of Science (FoS)! Partnering over 300 universities across 4 continents and 50 countries, we have something for every student. Over 70% of students participate in study abroad programmes.

The Study Abroad Programmes complement the education that Science students receive in NUS. They provide new academic opportunities and a broader understanding of the cultures, business and work ethics of other countries. Having such awareness will equip Science students with knowledge of today’s world that is increasingly more competitive with globalisation.

Through studying stints abroad, students develop maturity, independence, resilience and adaptability that increase their employability. Many Science graduates find that the time spent on their Study Abroad Programmes was the most rewarding in their academic life.

Each year we have over 400 places available in our two flagship programmes, namely the Student Exchange Programme (SEP) and the Summer Programme. Ranging from 4 weeks to a full year, these programmes allow students to study abroad while paying only home university fees. With the appropriate mapping, students will be given credits which can be counted towards their graduation requirements.

In addition, we have over 50 places in our customised boutique programmes.

Carpe Diem - Seize the Moment.
Overseas Programmes

Here is an estimate of how much students may have to spend during their exchange, including airfares, accommodation, and food. The cost of textbooks and other incidental expenses are to be borne by the students, separately.

**FLAGSHIP PROGRAMMES**

1-2 Semester(s)
Approx. 4-8 Months

**Student Exchange Programme (SEP)**

Estimated Cost (per semester): SGD8,000 - SGD12,000

4-7 Weeks

**FoS Summer Programme**

Estimated Cost: SGD6,000 - SGD10,000

**BOUTIQUE PROGRAMMES**

2 Years (NUS) + 2 Years (FRANCE) + 1-3 Years (NUS)

NUS - French Grandes Ecoles Double Degree Programme

Estimated Cost: Around €650 per month plus airfare

2 Years (NUS) + 1 Year (WASEDA) + 1 Year (NUS) + 1 Year (WASEDA)

NUS - Waseda Double Degree Programme

Estimated Cost: Around ¥300,000 per month plus airfare

3 Semesters (NUS) + 3 Semesters (ANU) + 2 Semesters (NUS)

Australian National University (ANU)-NUS Joint Degree Programme

Estimated Cost: Around AUD910 per month plus airfare

6 Months - 1 Year

NUS Overseas College Programme (NOC)

Estimated Cost: Around USD500 per month plus airfare

1 Semester

Joint Minor Programme with University of Toronto (UofT)

Estimated Cost (per semester): SGD10,000 - SGD12,000

6-12 Weeks

Summer Research

Estimated Cost: SGD6,000 plus airfare

6-12 Weeks

Internship

Estimated Cost: SGD3,000 - SGD6,000 plus airfare

2-3 Weeks

Department Immersion Programme

Estimated Cost: SGD1,000 - SGD3,000
The Faculty of Science (FoS) exposes over 70% of its students to some form of international exchange during their time in NUS. The FoS strongly believes opportunities should be given equally to all students.

Being away in a foreign country will enhance students’ independence. During their overseas exchange, students have to manage their finances and make decisions that give them more confidence and independence. Our students became more receptive to people from different cultures and all walks of life.

*The exchange experience is a life-changing one; something that cannot be replicated any other way.*

These exchange programmes provide an exciting, fun yet academically challenging multidisciplinary education as well as stimulating insights into life outside Singapore.

We understand that financing such an experience may be a heavy burden on some of our students and they may need our help.

There are various financial aid schemes that aim to help students defray part of the costs of studying abroad.

These funds help needy students to go overseas for an enhanced education and cross-cultural experience.

However, these schemes would not cover all expenses incurred. Students should still exercise good financial planning for the rest of the expenditures.

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**NUS Awards for Study Abroad (NASA)**

There are three categories of awards under NASA:

- **NASA Exchange Scholarships/Bursaries**: awarded to students going on Student Exchange Programme
- **NASA Enhancement Scholarships/Bursaries**: awarded to students going on short-term programmes such as summer programmes, research programmes, internships and field studies
- **NASA Degree Scholarships/Bursaries**: awarded to students going on overseas joint, double or concurrent degree programmes

NASA Scholarships are awarded to students (Singaporean, Permanent Residents or International) based on academic merit.

NASA Bursaries are awarded to students (Singaporean only) based on financial needs.

**NUS Alumni Student Exchange Awards**

The value of this award is from SGD1,000 to SGD2,500 each and helps finance NUS students who are participating in the NUS Student Exchange Programme.

**Overseas Student Exchange Programme (SEP) Loan**

This loan has a cap of SGD3,000 per semester depending on the monthly per capita income of the applicant’s family. The loan is interest free.

**Science Student Overseas Exposure Fund (SSOEF)**

The SSOEF, administered by the Faculty of Science, encourages financially needy students to gain international exposure. The amount to be awarded will be determined by the financial circumstances of the applicant’s family.

**Overseas Student Programme (OSP) Loan**

The OSP loan is offered to all NUS students who have successfully applied to NUS’ approved overseas programmes, to help defray some expenses incurred during the period of the exchange.

For details on other available awards and aids, visit: [http://www.nus.edu.sg/gro/index.php](http://www.nus.edu.sg/gro/index.php)
Application

1. **Check** out the relevant websites and be on the lookout for announcements via email

2. **Prepare** and submit all the relevant documents and forms at the earliest possible date

3. **Prepare** for interview(s)

4. To **clarify** and **check** for updates, contact scisap@nus.edu.sg

Applying for financial aid will NOT affect your chances of being selected for the Student Exchange Programme. All applications will be reviewed on a case-by-case basis subject to individual merit.

**Important Contact Details**

**Faculty of Science**
- General Enquiries
  scisap@nus.edu.sg

**Other Contacts**
- **NUS Global Relations Office**
  http://nusgro.custhelp.com/app/home

- **NUS Office of Financial Aid**
  financialaid@nus.edu.sg

Please help us to help you come forward... ask for assistance...
Student Exchange Programme

SOME OF OUR PARTNER UNIVERSITIES

University of Toronto • University of Waterloo • Imperial College London • Peking University • Colgate University • ETH Zurich • Lund University • Tecnológico de Monterrey • University of Auckland • University of Dundee • HKUST • Radboud University • National Taiwan University • University of North Carolina, Chapel Hill • University of British Columbia • University of Alberta • Korea University • ANU • University of Edinburgh • University of Pennsylvania • Waseda University • University of Melbourne • Zhejiang University • University of Nottingham • McGill University • UCLA • UC Berkeley • Grandes Écoles • University of Copenhagen

FoS SEP partners:
La Trobe University, Australia
Management Centre Innsbruck, Austria
University of Copenhagen, Denmark
Georg-August-Universität Göttingen, Germany
Technische Universität Kaiserslautern, Germany
University of Kaiserslautern, Germany
Chinese University of Hong Kong, Hong Kong
City University of Hong Kong, Hong Kong
Hong Kong University of Science & Technology, Hong Kong
University of Hong Kong, Hong Kong
University College Cork, Ireland
University of Tokyo, Japan
Leiden University, Netherlands
Leiden University Medical Center, Netherlands
Radboud University Nijmegen, Netherlands
Karolinska Institute, Sweden
Chang Gung University, Taiwan
University of Dundee, United Kingdom
Colgate University, United States
University of Georgia, United States
University of North Carolina at Chapel Hill, United States

For the updated list of faculty partner universities, visit the Faculty of Science website at:
http://www.science.nus.edu.sg/education/undergraduate/ug-programmes/sap-outgoing

For information on the full list of partner universities, visit the NUS Global Relations Office website at:
Some of the Exciting Modules Offered at Partner Universities

Sweden's Economics and Social Development in the 19th and 20th Century
Uppsala University

Food Processing: from Farm to Shop
University of Leeds

Introduction to Wine-making
University of California, Davis

Ancient Greece: Myth, Art, War
La Trobe University

Hollywood Biology: Science in Cinema
Cornell University College of Human Ecology

Introduction to Finnish Archaeology
University of Helsinki

Sociology of Aging and the Life Course
McGill University

Adaptations to Extreme Environments
University of College Cork

Magic, Myth and Supernatural
The Chinese University of Hong Kong

Food Science and Culinary Technique
University of Copenhagen

Acoustics
Georgia Institute of Technology

The Physics of Science Fiction and Gaming
University of Toronto

The Life and Times of the Dinosaurs
Uppsala University

Japan in East Asia VI (Exploring Japan's Museums)
University of Tokyo

Canadian History Through Biography
University of Waterloo

Helping Relationships: Theory and Practice
University of California
Overseas Joint Minor

Structured studies in NUS and UofT leading to a Minor

Joint Minor Programme between University of Toronto and National University of Singapore

Spend a semester at the University of Toronto (UofT), one of the most prestigious universities in the world renowned for its Environmental Sciences programmes

- Structured menu of modules at NUS and UofT leading to the award of:
  - Minor in Environmental Biology; or
  - Minor in Environmental Chemistry

- Open to students of all majors including students whose majors are Life Sciences and Chemistry

- Transfer of both grades and credits to fulfil graduation requirements

- Pay regular tuition fees to NUS only

- Highlight of the Environmental Biology Minor: Field course at the Koffler Scientific Reserve or the Harkness Fisheries Research Laboratory in Algonquin Park offered by the Department of Ecology and Evolutionary Biology, UofT
Summer Programmes

Exclusive for Sci.

Exclusive to FoS Students Only!

Earn modular credits and experience new cultures during your semester break

Examples of popular modules

Urban Air Pollution
Hong Kong University of Science and Technology

Toronto in Canada
University of Toronto

Conservation of Canada's Forests
University of Toronto

Hokkaido Summer Programme
(Japan)

HKUST International Summer Exchange Program
(Hong Kong)

University of Toronto Summer Courses
(Canada)

University of Costa Rica
(Costa Rica)

- Places in these summer exchange programmes are reserved exclusively for Science students
- Short-term (4 to 7 weeks) courses during May-August allow students to enjoy an overseas exchange experience without disrupting personal or academic schedules
- En bloc exchange facilitates close interaction and bonding amongst NUS Science students
- A more affordable alternative to a full semester/year exchange
- Allows students to earn up to 10 modular credits
Summer Programmes

• Chinese University of Hong Kong International Summer School
• Kyushu University Summer in Japan
• American University of Rome Summer Programme
• University of Hong Kong Summer Institute
• National Taiwan University Biodiversity, Agriculture, and Culture of Taiwan
• Aarhus Summer University
• IARU Global Summer Programme
• Stellenbosch University IPSU Summer School
• Sciences Po Summer School
• Peking University Summer School International
• Korea University International Summer Campus
• Hanyang International Summer School
• University of California Berkeley Summer Sessions
• East and Central European Studies Summer Programme at Charles University
• Tel Aviv University Summer Programs
• University of Adelaide Winter School

For full listing and further information on the above summer / winter programmes, please visit: http://www.nus.edu.sg/gro/index.php

NUS will not impose Special Term fees on students who participate in up to 2 overseas summer/winter programmes during their 3 or 4 years of study in NUS for up to a maximum of 12 MCs credit transfer.
ANU-NUS Joint Degree Programme

3 semesters at NUS and 3 semesters at Australian National University (ANU), followed by final 2 semesters back at NUS

- Offered only to Faculty of Science students who are in the University Scholars Programme
- Graduate with a Bachelor of Science (Honours) from NUS. The degree scroll will carry the crests of both universities.
- Available in 3 majors: Chemistry, Physics or Mathematics
- Designed for students who have a strong interest in and aptitude for research work

UNCCH-NUS Joint Degree Programme

3 semesters at NUS and 3 semesters at University of North Carolina at Chapel Hill (UNCCH), followed by final 2 semesters back at NUS

- Graduate with a Bachelor of Science (Honours) in Life Sciences. The degree scroll will carry the crests of both universities.
- Immerse in a multidisciplinary learning environment which includes the liberal arts education of UNCCH
- Provide students from UNCCH and NUS the opportunity for close intellectual interaction

UoD-NUS Joint Degree Programme

5 semesters at NUS followed by 3 semesters at University of Dundee (UoD)

- Graduate with a degree in Bachelor of Science (Honours) in Life Sciences from NUS. The degree scroll will carry the crests of both universities.
- Conduct Honours year research project in UoD focusing on drug discovery and development
- Hands-on training through UoD’s partnerships with leading pharmaceutical and biotechnology companies

First 2 years at NUS, with the next 2 years at French Grande Écoles, and followed by a 1- to 3-year-long NUS Master’s Programme

- Leads to a degree in Bachelor of Science (Honours) from NUS, the “Diplôme d’Ingénieur” from the French “Grandes Écoles” and the Master of Science degree from NUS - 3 internationally recognised degrees
- Provides unique opportunities for higher education and quality research offered by two dynamic institutions based in different countries
- Enables deep appreciation of French education, society and culture while acquiring proficiency in the French language
- Network with French and other students of different nationalities
- Tuition fees in France waived
- Provides strong emphasis on Mathematics and Physics
- Core curriculum includes internships or industrial attachments in France
**Waseda Double Degree Programme**

First 2 years in NUS, next 1 year in Waseda University and 1 year in NUS, followed by final 1 year in Waseda University

- Study at School of International Liberal Studies, which has a strong emphasis on internships and activities such as community and volunteer work
- Students will be conferred a Bachelor of Science (Honours) from NUS and a Bachelor’s degree from Waseda University
- University Scholars Programme (USP) students may fulfil their USP Advanced curriculum requirements under the Cultural Immersion Option

**University of Alberta Research Experience (UARE)**

12 weeks’ summer research internship in University of Alberta

- Conduct research under the supervision of faculty members who are experts in their field
- Gain hands-on, practical research experience
- Receive a stipend of CAD$6,000

**University of North Carolina at Chapel Hill Summer Lab Exchange Programme**

12 weeks’ Summer Lab Exchange Programme in the University of North Carolina (UNCCH) at Chapel Hill, USA

- Conduct research in labs belonging to the departments of Physics & Astronomy, Biology and Chemistry
- Enrol in one 3-credit course in each of the 2 summer sessions offered by the UNCCH Summer School

**NUS Overseas College Programme**

- 6-month to 1-year internship at start-up companies with concurrent study in part-time courses at partner university
- Take classes at prestigious universities such as Stanford, Fudan, Tsinghua, and the Royal Institute of Technology
- Interact with famous start-up founders, angel investors and other inspiring role models
- Provides premium international and internship programmes abroad
- Provides exposure to technology entrepreneurship
- Offers access to the world’s leading entrepreneurial hubs and highly renowned partner institutions
- Enhances entrepreneurial spirit

**Choose from a range of global entrepreneurial hotspots for your internship:**

- **Beijing**
  Study at Tsinghua University
- **Israel**
  Study at Tel Aviv University and Interdisciplinary Center Herzliya
- **Lausanne**
  Study at Ecole Polytechnique Federale de Lausanne (for post-graduates from the Faculty of Engineering, the School of Computing and Institute of Systems Science)
- **Munich**
  Study at Technical University of Munich
- **New York**
  Study at NYU Tandon School of Engineering
- **Shanghai**
  Study at Fudan University
- **Shenzhen**
  Study at Southern University of Science and Technology
- **Silicon Valley**
  Study at Stanford University
- **Singapore**
  Study at NUS
- **Stockholm**
  Study at KTH Royal Institute of Technology
- **Southeast Asia**
  3-month internship with start-ups in Jakarta, Bandung, Yogyakarta and Ho Chi Minh City
- **Toronto**
  Study at University of Toronto
Universidad Autonoma de Madrid Summer Research Programme
12 weeks' Summer Research Exchange Programme in Universidad Autonoma de Madrid, Spain
- Carry out full-time research in labs in the field of Physics, Mathematics, Life Sciences or Chemistry
- Opportunity to connect with international researchers and attend an overseas conference

Chang Gung University Summer Lab Exchange Programme
12 weeks' Summer Lab Exchange Programme in Chang Gung University, Taiwan
- Carry out full-time research lab in the field of reliability sciences and technologies and medical physics, with industrial focus
- Opportunity to connect with experts working on the proton beam facilities

St John's College, University of Cambridge Summer Research Exchange Programme
12 weeks' Summer Research Exchange Programme in St John's College, UK
- Carry out research under the mentorship of renowned researchers like Dr Kristian Franze, Director of Studies in Natural Sciences (Biological) and Professor Andy Woods, Head of BP Institute
- Opportunity to engage in interdisciplinary research involving areas in physiology, neurology, earth sciences, applied mathematics, theoretical physics, chemistry, and engineering

“I practised developing an idea from scratch to a prototype in a team, and learnt how to communicate my ideas effectively.”

— Tan Kit Yung
NUS Overseas Colleges Programme (NOC) Beijing

“Aside from depth and rigour in mathematics and the hard sciences, the French also emphasise breadth of thinking by engaging in other subjects.”

— Marken Foo
NUS-Grandes Ecoles French Double Degree Programme (FDDP)

“The professors always relate study material to current phenomena. This inspires me to take research very seriously.”

— Anastasia Tracy Kurniawan
Student Exchange Programme, University of California Berkeley
“I had the privilege of working closely with professors who themselves spent many years in the field of drug discovery.”

Deborah Fong Yuhui
Joint Degree Programme
University of Dundee

“I gained different perspectives and broadened my knowledge through laboratory work supervised by an international scientist.”

Dong Lu
Student Exchange Programme
Norwegian University of Science and Technology

“I learnt the use of agriscience, agritechnology and agronomy to improve field crop selection and production.”

Brian Chee Wei Jie
NUS-Hokkaido University
Summer Programme: Agri-Science in Japan and Singapore