

# STUDY ABROAD PROGRAMMES IN SCIENCE

EMBARK ON A JOURNEY

SINGAPORE

**NUS**



STUDY ABROAD

**EXCHANGE**



*A Truly Global Experience*

TERMINAL

A

GATE

25

BOARDING

1:08PM

**Transformative Science  
Preparing You For The Future**

# Embark On Study Abroad Programmes

## Gain Global Exposure

**W**elcome 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

# Financial Aid

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.

## FINANCIAL AIDS

### 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 (SEPI) 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>**

# Application



**Check** out the relevant websites and be on the look-out for announcements via email



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



**Prepare** for interview(s)



To **clarify** and **check** for updates, contact [scisap@nus.edu.sg](mailto: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.

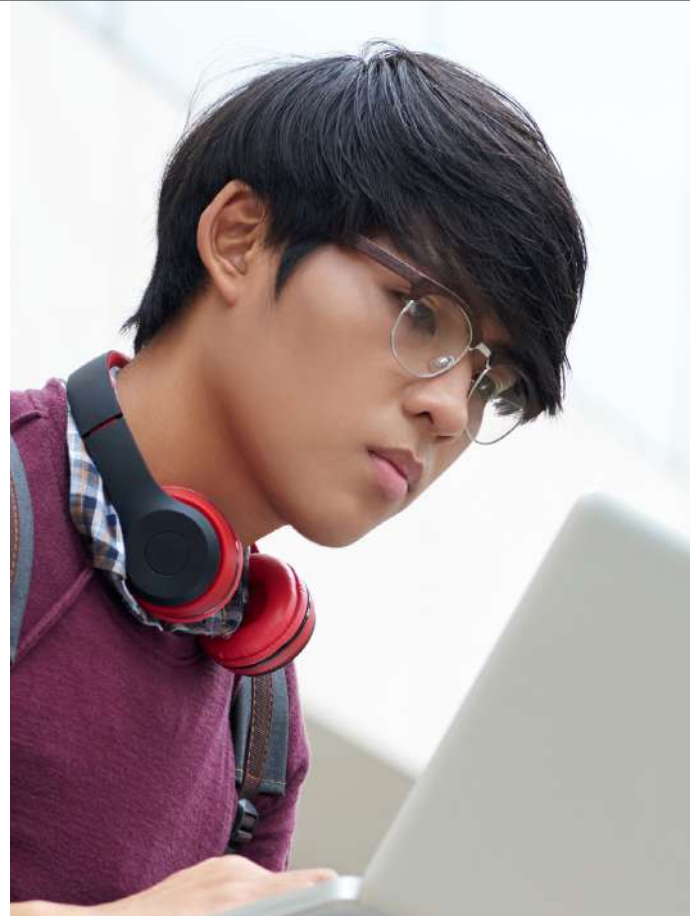
## Important Contact Details

### Faculty of Science

- **General Enquiries**  
[scisap@nus.edu.sg](mailto: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](mailto:financialaid@nus.edu.sg)



**Please help us  
to help you  
come  
forward...  
ask for  
assistance...**



Spend 1 to 2 semesters  
at our partner  
universities overseas

# 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**

**Exclusive to FoS Students Only!**

### 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](http://www.science.nus.edu.sg/education/undergraduate/ug-programmes/sap-outgoing)



Some of the

# Exciting

Modules Offered at  
Partner Universities

Sweden's Economics and Social Development  
in the 19<sup>th</sup> and 20<sup>th</sup> 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](#)

**Exclusive to  
FoS Students  
Only!**

# 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



Earn modular credits and experience new cultures during your semester break

# Summer



Hokkaido Summer Programme  
(Japan)

HKUST International Summer Exchange Program  
(Hong Kong)

University of Toronto Summer Courses  
(Canada)

University of Costa Rica  
(Costa Rica)

## 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

Exclusive to FoS Students Only!

# Programmes



- 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



University-Wide

# Summer Programmes

## OTHER EXCITING UNIVERSITY-WIDE SUMMER / WINTER 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.**

Custom-made, Unique  
Educational Experiences

# Boutique

## STUDY ABROAD PROGRAMMES

### French Double Degree Programme (FDDP) Partnership with top Grandes Écoles in France



- École Polytechnique (X)
- Centrale Supélec Institution (Centrale Supélec)
- École des Mines de Paris (Mines Paris)
- École Nationale Supérieure des Télécommunications (Télécom ParisTech)
- École Nationale Supérieure de Technique Avancées (ENSTA ParisTech)
- École des Ponts ParisTech (École Nationale des Ponts et Chaussées)

### First 2 years at NUS, with the next 2 years at French Grandes 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

### 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

## 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



## 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



## 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



# Student Reflections



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

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



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

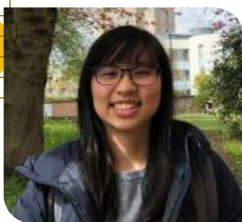


**Marken Foo**  
NUS-Grandes Ecoles French  
Double Degree Programme  
(FDDP)



**Anastasia Tracy Kurniawan**  
Student Exchange Programme,  
University of California  
Berkeley

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



**Deborah Fong Yuhui**  
Joint Degree Programme  
University of Dundee



“I had the privilege of working closely with professors who themselves spent many years in the field of drug discovery.”



“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



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



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

