Study Abroad Programmes In Science
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
<table>
<thead>
<tr>
<th>Duration &amp; Cost</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOUTIQUE PROGRAMMES</strong></td>
<td></td>
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| **2 YEARS (NUS) PLUS 2 YEARS (FRANCE) PLUS 1-3 YEARS (NUS)** | **NUS - French Grandes Ecoles Double Degree Programme**  
**Estimated Cost:** Around €650 per month plus airfare |
| **2 YEARS (NUS) PLUS 1 YEAR (WASEDA) PLUS 1 YEAR (NUS) PLUS 1 YEAR (WASEDA)** | **NUS - Waseda Double Degree Programme**  
**Estimated Cost:** Around ¥300,000 per month plus airfare |
| **3 SEMESTERS (NUS) PLUS 3 SEMESTERS (ANU) PLUS 2 SEMESTERS (NUS)** | **Australian National University (ANU)-NUS Joint Degree Programme**  
**Estimated Cost:** Around AUD910 per month plus airfare |
| **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 WEEKS (SUMMER SESSION) PLUS 1 YEAR UROPS-BASED** | **Harvey Mudd-NUS Global Clinic Programme**  
**Estimated Cost:** SGD800 - SGD1,500 |
| **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.
Financial Awards

- 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 SGD2,500 each and helps finance NUS students who are participating in the NUS Student Exchange Programme.

Financial Aids

- 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/iro/
Application

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

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

3. Prepare for the 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 International Relations Office
  iroawards@nus.edu.sg

• NUS Office of Admissions
  financialaid@nus.edu.sg
Please help us to help you come forward... ask for assistance...
List of SEP Places for FoS Students

For the full list of places available at our partner universities, please visit the Faculty of Science’s SEP website http://www.science.nus.edu.sg/education/undergraduate/ug-programmes/sap-outgoing

SOME OF OUR PARTNER UNIVERSITIES

University of Toronto • University of Waterloo • Imperial College London • Peking University • Colgate University • ETH Zurich • King’s College London • 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

For information on the full list of partner universities, visit the NUS International Relations Office website at: http://www.nus.edu.sg/iro/
Good Chance of Allocation If 1st or 2nd Choice

FoS SEP partners:

- Australian National University, Australia
- La Trobe University, Australia
- Management Centre Innsbruck, Austria
- University of Toronto, Canada
- University of Copenhagen, Denmark
- University of Pierre and Marie Curie, France
- University Paris Sud (Paris XI) Orsay, France
- Humboldt University Berlin, Germany
- University of Kaiserslautern, Germany
- Chinese University of Hong Kong, Hong Kong
- City University of Hong Kong, Hong Kong
- Hong Kong Polytechnic University, Hong Kong
- Hong Kong University of Science & Technology, Hong Kong
- University of Hong Kong, Hong Kong
- University College Cork, Ireland
- Hokkaido University, Japan
- Leiden University Medical Center (LUMC), Netherlands
- Radboud University Nijmegen, Netherlands
- Utrecht University, Netherlands
- Victoria University of Wellington, New Zealand
- Karolinska Institute, Sweden
- Chang Gung University, Taiwan
- King’s College London, United Kingdom
- University of Bath, United Kingdom
- University of Dundee, United Kingdom
- Colgate University, United States
- Cornell University College of Agriculture and Life Sciences, United States
- Duke University, United States
- Temple University, United States
- University of Georgia, United States
- University of North Carolina at Chapel Hill, United States
Some of the Exciting Modules Offered at Partner Universities

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

Design Fundamentals for Dance and Theatre
~ University of California, Santa Barbara

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!
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
Examples of popular modules are:

**Introduction to Lesbian, Gay, Bisexual and Transgender Studies**
~ University of California, Los Angeles

**Toronto in Canada**
~ University of Toronto

**Psychology and Law**
~ University of California, Los Angeles

**Conservation of Canada’s Forests**
~ University of Toronto
• 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 12 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
- University of Sydney Asia Summer Programme
- 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
- Sun Yat-Sen University International Summer Programme in Chinese Studies
- Grenoble Institute of Technology 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 Institute
- University of Adelaide Winter School

For further information on the above summer programmes, please visit:
http://www.nus.edu.sg/iro/

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.
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
• Leads to a degree in Bachelor of Science (Honours) from NUS and Bachelor of Philosophy (Honours) from ANU
• 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

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 9 global entrepreneurial hotspots for your internship:

Beijing
Study at Tsinghua University

Israel
Study at Tel Aviv University Interdisciplinary Center Herzliya

Lausanne
Study at Ecole Polytechnique Federale de Lausanne

Munich
Study at Technical University of Munich

New York
Study at NYU Polytechnic School of Engineering

Shanghai
Study at Fudan University

Silicon Valley
Study at Stanford University

Singapore
Study at NUS

Stockholm
Study at KTH Royal Institute of Technology
Concurrent Degree Programmes with King’s College London (KCL)

Concurrent Degree Programme (CDP) in Biophysics

- 3 to 4 years of B. Sc. (Hons) in Life Sciences in NUS
- Followed by 1 year of M.Res. in Biophysics in the Faculty of Life Sciences & Medicines in KCL
- Allows double-counting of up to 30 MCs between the B. Sc. (Hons) and M.Res.
- Students on the M.Res. pays KCL’s home student tuition fees
- 12-weeks Undergraduate Research Opportunities Programme (UROPS) in Science in the Randall Laboratory in KCL to expose students to research in Biophysics forms part of the CDP

Concurrent Degree Programmes (CDP) in Analytical Toxicology/Forensic Science

- 3 to 4 years of B. Sc. (Hons) in Chemistry or Life Sciences in NUS
- Followed by 1 year of M.Sc. in Analytical Toxicology/Forensic Science in the Faculty of Life Sciences & Medicines in KCL
- Allows double-counting of up to 20 MCs between the B.Sc. (Hons.) and M.Sc.
- Students on the M.Sc. pay KCL’s home student tuition fees
- 12-weeks UROPS in the Analytical Toxicology or Forensic Science laboratories in KCL to expose students to research in these areas forms part of the CDP
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

Harvey Mudd-NUS Global Clinic Programme
6 weeks’ intensive learning and intercultural summer programme [3 weeks in Harvey Mudd College (HMC) and 3 weeks in NUS], followed by a 1-year UROPS-based group project

- Students engage in projects with real-life applications
- Projects are sponsored by industry
- Students work in groups consisting of HMC and NUS students
- Students carry out 1-year project through tele-conferencing, Skype, email, etc

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 hour 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

Imperial College London International Research Opportunities Programme
8 weeks’ International Research Opportunities Programme in Imperial College London, UK

• Opportunity to gain international research experience and to experience life of a research scientist
• Conduct research under the supervision of top academics and experience different working, learning and teaching styles
• Engage in intellectual discussions with ICL students and other international students from universities such as MIT, UBC, Tsinghua
Khalid Bin Othman  
Joint Degree Programme, The University of North Carolina at Chapel Hill

“I took subjects outside my major, including soccer, music, Japanese, medieval arts and children’s literature among others, showing how diverse the liberal arts offerings at Carolina are. The Carolina experience extends beyond formal education to a strong college spirit and pride in sports like basketball and football.”

Nicholas Loo Wei Xian  
Joint Minor Programme, University of Toronto

“I gained valuable cultural and social exposure from living in a multicultural city like Toronto. The experience showed me how diverse the world is. The programme was very fulfilling, enabling me to practice what I learnt as a chemist in NUS.”

Samantha Tan Qiu Tong  
Student Exchange Programme  
Cracow University of Technology, Poland

“SEP is about adapting to different cultures and languages and learning them. While Polish is a very difficult language, I found joy learning it. I made new friends of different nationalities through the Erasmus Student Network activities like food exchange parties, house parties, tram parties and bar hopping. Through these experiences, I matured and grew as a person.”
Tan Xin Ru
Student Exchange Programme
Management Centre Innsbruck, Austria

“The exchange programme was the best lesson I took as an undergraduate. I would not have that many international friends or courage without the experience. We visited museums in Innsbruck, tried our hands recreating Austrian cuisine, worked on a project on genetically modified tomatoes and collaborated with exchange students from Korea, China and France to promote healthy living.”

Sasinthiran Thiagarajan
Elsinore Summer School
University of Copenhagen

“I had the opportunity to work with an international research team, learning from the way they analysed research papers. I gained deeper appreciation of advanced research techniques in life sciences, and an integrated view on human physiology involving the influence of metabolic mechanisms on the nervous and muscular systems.”

Bernice Leow Li Hsia
Summer School
King’s College London

“I had the opportunity to take a course on Global Health and Social Justice, which will greatly benefit my future career as a pharmacist. Through class discussions, guest lectures and museum visits, I learnt about global health, social justice, different healthcare systems in countries and their impacts on disease management. I gained enriching life experiences by meeting people from different backgrounds that cannot be obtained through text books.”