Welcome to NUS Faculty of Science (FoS)! Partnering over 300 universities across 4 continents in 50 countries, we have something for every student. About 80% 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 and/or internship 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 3 weeks to a full year, these programmes allow students to study abroad while paying only NUS tuition 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 airfare, accommodation, and food. The costs of textbooks and other incidental expenses are to be borne by students separately.

### FLAGSHIP PROGRAMMES

<table>
<thead>
<tr>
<th>Duration</th>
<th>Programme</th>
<th>Estimated Cost (per semester)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-2 SEMESTER(S) Approx. 4-8 MONTHS</td>
<td>Student Exchange Programme (SEP)</td>
<td>SGD8,000 - SGD12,000</td>
</tr>
<tr>
<td>3-7 WEEKS</td>
<td>FoS Summer Programme</td>
<td>SGD6,000 - SGD10,000</td>
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### BOUTIQUE PROGRAMMES

<table>
<thead>
<tr>
<th>Duration</th>
<th>Programme</th>
<th>Estimated Cost (per semester)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 YEARS (NUS) PLUS 2 YEARS (FRANCE) PLUS 1-3 YEARS (NUS)</td>
<td>NUS - French Grandes Ecoles Double Degree Programme</td>
<td>Around €650 per month plus airfare</td>
</tr>
<tr>
<td>2 YEARS (NUS) PLUS 1 YEAR (WASEDA) PLUS 1 YEAR (NUS) PLUS 1 YEAR (WASEDA)</td>
<td>NUS - Waseda Double Degree Programme</td>
<td>Around ¥300,000 per month plus airfare</td>
</tr>
<tr>
<td>3 SEMESTERS (NUS) PLUS 3 SEMESTERS (ANU) PLUS 2 SEMESTERS (NUS)</td>
<td>Australian National University (ANU)-NUS Joint Degree Programme</td>
<td>Around AUD910 per month plus airfare</td>
</tr>
<tr>
<td>3 MONTHS TO 1 YEAR</td>
<td>NUS Overseas Colleges Programme (NOC)</td>
<td>Around USD500 per month plus airfare</td>
</tr>
<tr>
<td>1 SEMESTER</td>
<td>Joint Minor Programme with University of Toronto (U of T)</td>
<td>SGD10,000 - SGD12,000</td>
</tr>
<tr>
<td>2 WEEKS (SUMMER SESSION) PLUS 1 YEAR UROPS-BASED</td>
<td>Harvey Mudd College-NUS Global Clinic Programme</td>
<td>SGD800 - SGD1,500 plus airfare</td>
</tr>
<tr>
<td>8-12 WEEKS</td>
<td>Summer Research</td>
<td>SGD6,000 plus airfare</td>
</tr>
<tr>
<td>6-24 WEEKS</td>
<td>Internship</td>
<td>SGD3,000 - SGD12,000 plus airfare</td>
</tr>
<tr>
<td>2-3 WEEKS</td>
<td>Department Immersion Programme</td>
<td>SGD1,000 - SGD3,000 plus airfare</td>
</tr>
</tbody>
</table>
Financial Aid

Financing a study abroad programme may be a heavy burden on some students. The Faculty of Science (FoS) strongly believes opportunities should be given equally to all students. As such, NUS and FoS have come up with various financial aid schemes that aim to help students defray part of the cost of studying abroad.

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

During their overseas stint, students have to manage their finances and make decisions that give them more confidence and independence. Students will become more receptive to people from different cultures and all walks of life.

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

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 Programmes

  • 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 (Singaporeans, Permanent Residents or International Students) based on academic merit.

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

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

• **Marine Science Research and Development Programme (MSRDP) Overseas Programme Award**
The MSRDP Overseas Programme Award, co-funded by National Research Foundation Singapore and FoS, aims to encourage more students to work on marine science research overseas. The MSRDP comprises four themes, namely, marine ecosystems and biodiversity, environment impact and monitoring, coastal ecological engineering, and marine technology and platforms.

Overseas programmes covered under the Award include:

  • B.Sc. (Hons) Final-Year Applied Project Module XX4299;
  • Study Abroad Programmes such as the Student Exchange Programme (SEP) and Undergraduate Research Opportunities Programme in Science (UROPS) and/or;
  • Undergraduate Professional Internship Programme (UPIP)

The Award quantum is estimated to cover the cost of the overseas programme.

Financial Aid

• **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 FoS, 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 (Singaporeans) who have successfully applied to overseas programmes approved by NUS, to help defray some expenses incurred during the period of the programme.

For details on other available awards and aid, visit: http://www.nus.edu.sg/gro/
Application

1. Check out the relevant websites and look out for announcements via email in August/September and January/February
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 overseas 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
• Office of Admissions
  https://www.askadmissions.nus.edu.sg/app/home

Please help us to help you come forward... ask for assistance...
Spend 1 to 2 semesters at our partner universities overseas

Student Exchange Programme (SEP)

List of SEP Places

For the full list of places available at our partner universities, please visit the Faculty of Science SEP website


Examples of 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 • The University of Auckland • University of Dundee • The Hong Kong University of Science & Technology • Radboud University • National Taiwan University • The University of North Carolina at Chapel Hill • The University of British Columbia • University of Alberta • Korea University • Australian National University • The University of Edinburgh • University of Pennsylvania • Waseda University • The University of Melbourne • Zhejiang University • The University of Nottingham • McGill University • University of California, Los Angeles • University of California, Berkeley • Grandes Écoles • University of Copenhagen

Good Chance of Allocation If 1st or 2nd Choice

- La Trobe University, Australia
- The University of Adelaide, Australia
- Management Center Innsbruck, Austria
- University of Toronto, Canada
- University of Copenhagen, Denmark
- Université Pierre et Marie Curie (Paris VI), France
- Université Paris-Sud (Paris XI), France
- Technische Universität Kaiserslautern, Germany
- The Chinese University of Hong Kong, Hong Kong
- City University of Hong Kong, Hong Kong
- Hong Kong Polytechnic University, Hong Kong
- The Hong Kong University of Science & Technology, Hong Kong
- The University of Hong Kong, Hong Kong
- University College Cork, Ireland
- The University of Tokyo, Japan
- Leiden University Medical Center, Netherlands
- Leiden University, Netherlands
- Radboud University, Netherlands
- The University of Auckland, New Zealand
- Karolinska Institute, Sweden
- Chang Gung University, Taiwan
- University of Dundee, United Kingdom
- Colgate University, United States
- Cornell University College of Agriculture and Life Sciences, United States
- University of Georgia, United States
- The University of North Carolina at Chapel Hill, United States

For information on the full list of partner universities, visit the NUS Global Relations Office website at:

http://www.nus.edu.sg/gro/
Sweden’s Economics and Social Development in the 19th and 20th Century
~ Uppsala University

Design Fundamentals for Dance and Theater
~ 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 Agriculture and Life Sciences

Introduction to Finnish Archaeology
~ University of Helsinki

Sociology of Aging and the Life Course
~ McGill University

Adaptations to Extreme Environments
~ University College Cork

Magic, Myth and Supernatural
~ The Chinese University of Hong Kong

Food Science and Culinary Techniques
~ University of Copenhagen

Engineering Acoustics and Noise Control
~ Georgia Institute of Technology

The Physics of Science Fiction and Gaming
~ University of Toronto

The Life and Times of the Dinosaurs
~ Uppsala University

Pre-modern Japanese Literature and Culture
~ The University of Tokyo

Canadian History Through Biography
~ University of Waterloo

Helping Relationships: Theory and Practice
~ University of California, Santa Barbara
Structured studies in NUS and U of T leading to a Minor

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

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

• Structured menu of modules at NUS and U of T 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/or 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, U of T

Exclusive to FoS Students only!
Summer

- Elsinore Summer School (Australia/Denmark/Singapore)
- NUS-Hokkaido University Summer Programme in Seafood Supply Chains or Agri-science (Japan/Singapore)
- The Hong Kong University of Science & Technology International Summer Exchange Programme (Hong Kong)
- Leiden Institute of Physics Summer Programme (Netherlands)
  - Radboud Summer School (Netherlands)
- University of Toronto Summer Sessions (Canada)
- Costa Rica Summer Programme (Costa Rica)
  - University of California, Los Angeles Summer Sessions (United States)
- Ecology, Conservation and Management of Sri Lanka Ecosystems (Sri Lanka)

Examples of popular modules are:

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

**Social Media: Collective Intelligence & Creativity**
~ The Hong Kong University of Science & Technology

**Positive Psychology: the Science behind Flourishing Individuals and Organizations**
~ Radboud University

**Conservation of Canada’s Forests**
~ University of Toronto

Places in these summer programmes are reserved exclusively for Science students

- Short-term (3 to 7 weeks) courses during May-August allow students to enjoy an overseas 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
University-wide Summer Programmes

Other exciting university-wide Summer / Winter Programmes

• The Chinese University of Hong Kong International Summer School
• Kyushu University Summer in Japan
• The University of Sydney Short Term - Study Abroad
• The American University of Rome Summer Programme
• The University of Hong Kong: HKU Summer Institute
• National Taiwan University: Biodiversity, Agriculture & Culture of Taiwan Summer Programme
• Aarhus University Summer University
• International Alliance of Research Universities (IARU) Global Summer Programme
• Stellenbosch University: International Summer Programme in South Africa
• Sun Yat-Sen University International Summer Programme
• Institut National des Sciences Appliquées de Lyon Summer Programme (INNOV@INSA)
• Peking University Summer School International
• Korea University International Summer Campus
• Hanyang International Summer School
• University of California, Berkeley Summer Sessions
• Charles University in Prague: East and Central European Studies Summer Programme
• Tel Aviv University Summer Programmes
• The University of Adelaide Winter School

For further information on the above summer programmes and more options, please visit: http://www.nus.edu.sg/gro/
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 students may fulfil their USP Advanced curriculum requirements under the Cultural Immersion Option

NUS-ANU Joint Degree Programme
3 semesters at NUS and 3 semesters at Australian National University (ANU), followed by final 2 semesters back at NUS
• Offered to Faculty of Science students who are in the University Scholars Programme and/or Special Programme in Science
• Graduate with a Bachelor of Science (Honours) degree. The degree scroll will carry the crests of both universities and certifies the student’s completion of the programme and their field of study
• Available in 3 majors: Chemistry, Physics or Mathematics
• Designed for students who have a strong interest in and aptitude for research work

NUS-UNC-Chapel Hill Joint Degree Programme
2-3 semesters at NUS and 2-3 semesters at The University of North Carolina at Chapel Hill (UNC-Chapel Hill), 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 and includes the liberal arts education of UNC-Chapel Hill
• Provide students from UNC-Chapel Hill and NUS the opportunity for close intellectual interaction

NUS-Dundee Joint Degree Programme
5 semesters at NUS followed by 3 semesters at University of Dundee (UoD)
• A programme in drug discovery and design for biopharmaceutical industries
• The stint at UoD includes the Honours year research project focusing on drug discovery and development, jointly supervised and assessed by the faculty members of both universities
• Graduate with a Bachelor of Science (Honours) jointly validated by NUS and UoD
Concurrent Degree Programme with The University of Melbourne (UniMelb)

Concurrent Degree Programme (CDP) in NUS Bachelor of Science (B.Sc.) in Life Sciences and The University of Melbourne (UniMelb) Doctor of Veterinary Medicine (DVM)

- A programme designed to allow NUS Life Sciences students to embark concurrently on graduate studies in veterinary medicine
- Students will spend 3 semesters in Life Sciences in NUS, followed by a 1-year study abroad stint at UniMelb to fulfil the requirements for an NUS B.Sc. and first year of DVM
- Subsequently, students will spend 3 years in UniMelb as graduate students and receive a DVM upon completion
- Students can obtain the NUS B.Sc. and UniMelb DVM in 5.5 years

NUS Overseas Colleges Programme

- 3-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, or the KTH 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

Undergraduates can choose from 9 global entrepreneurial hotspots for their internship:

**Beijing**
Study at Tsinghua University or Peking University

**Tel Aviv**
Study at Tel Aviv University Interdisciplinary Center Herzliya

**New York**
Study at NYU Tandon 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

**Southeast Asia**
3-month internship programme

**Toronto**
Study at University of Toronto
**Harvey Mudd College-NUS Global Clinic Programme**

- 2-week intensive learning and intercultural summer programme [1 week in Harvey Mudd College (HMC) and 1 week 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

**Overseas Summer Undergraduate Research Opportunities/Attachment Programme in Science (UROPS/URAPS)**

- Students get to spend 8 to 12 weeks over the May to July NUS break to conduct research in world-renowned institutions
- Credits and/or grades transfer options are available for some programmes
- Partners include:
  - University of Alberta (Canada), stipend available
  - University of Toronto, Mississauga Campus (Canada)
  - Shanghai Jiao Tong University (China)
  - King Abdullah University of Science and Technology (Saudi Arabia), stipend available
  - Universidad Autónoma de Madrid (Spain)
  - Academia Sinica (Taiwan)
  - Chang Gung University (Taiwan)
  - Imperial College London (United Kingdom)
  - King’s College London (United Kingdom)
  - St John’s College, University of Cambridge (United Kingdom)
  - American Chemical Society (United States)
  - The University of North Carolina at Chapel Hill (United States)

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**Student Reflections**

**Khalid Bin Othman**  
Joint Degree Programme, The University of North Carolina at Chapel Hill, United States

“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, Canada

“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 Center 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, Denmark

“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, United Kingdom

“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.”