NANYANG TECHNOLOGICAL UNIVERSITY
SINGAPORE

CN YANG
SCHOLARS PROGRAMME

THE SCHOLARS PROGRAMME
FOR THE WORLD

INTRODUCTION

The CN Yang Scholars Programme (CNYSP) nurtures future leaders at the interface of science and engineering, focusing on technological innovation and scientific communication and requires strong science and engineering training. The programme consisting of a close-knit community of scholars features multidisciplinary courses in mathematics, research, making-and-tinkering, internship,and global learning, designed to prepare you to lead in the next phase of technological evolution. Embark on this unique journey to truly embrace the spirit of innovation, persistence, and social capital so that you can make an impact in any of the diverse range of careers available to you in the future.

WHY CHOOSE CNYSP?

- Scholarship Opportunity
- Multi-Disciplinary Curriculum
- Overseas Final Year Project
- Overseas Learning Trip
- Global Exchange Experience
- Innovation Driven Projects
- Journal publication with award
- Guaranteed Hall Stay
- Peer Support System
- Meeting World Class Leaders in Science and Engineering
- Joint PhD at NTU/Overseas University (optional)

COURSE ELIGIBILITY

SCIENCE & ENGINEERING

- Aerospace Engineering
- Bioengineering
- Biological Sciences
- Chemical & Biomolecular Engineering
- Chemistry & Biological Chemistry
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical & Electronic Engineering
- Environmental Earth Systems Science
- Environmental Engineering
- Information Engineering & Media
- Materials Engineering
- Mathematical Sciences
- Mechanical Engineering
- Physics & Applied Physics

PROGRAMME BENEFIT OVERVIEW

01 Guaranteed overseas final year research project (5 to 8 months) with at least 80% subsidy.

02 Guaranteed overseas exchange for one semester.

03 Guaranteed overseas learning trip with subsidy.

04 Opportunities to attend an international conference with subsidy up to S$2,000.

APPLICATION PROCESS

Complete the online undergraduate application form.

Indicate in the form if you want to be considered for CNYSP.

Shortlisted candidates will be notified for an interview.
(Note: Recipients with external scholarship are welcome to apply)

NANYANG SCHOLARSHIP
(CN YANG SCHOLARS PROGRAMME)

Scan to find out more

The Nanyang Scholarship will be awarded to selected applicants of the scholarship.

(Note: Not all recipients of the CN Yang Scholars Programme are given the Nanyang Scholarship.)

To apply, you are required to submit an online application by selecting the Nanyang Scholarship – CN Yang Scholars Programme under the Scholarship section.

CURRICULUM OVERVIEW

CNYSP Core Courses

- Biology
- Chemistry
- Climate Change
- Mathematics
- Physics

Overseas/Local Final Year Project & Overseas Learning Trip

Research Opportunities

- Introduction to Research (Lecture and Practice)
- Research Attachment 1 (1-year local lab attachment)
- Making & Tinkering (Hands-on Team Project)

Interdisciplinary Collaborative Core (ICC)

- Navigating the Digital World
- Kickstart Your Career Success for a VUCA World
- Science & Technology for Humanity
- Sustainability: Human, Social, Economic & Environment
- Healthy Living & Mental Wellbeing
- Digital Literacy 2

School Core Courses /Major PE /Broadening Electives

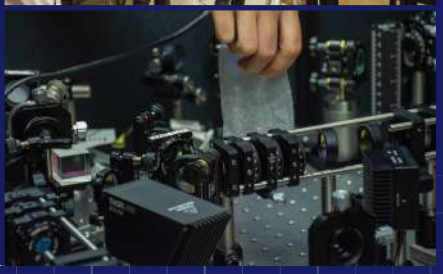
Experiential & Collaborative Learning (ECL)

- Internship/Attachment

OVERSEAS LEARNING TRIPS

CN Yang Scholars are given the opportunity to embark on one of the overseas learning trips organized by the CN Yang Scholars' Club during their first year.

FRANCE Sorbonne Université, Paris



SWITZERLAND ETH Zürich, Zürich

AUSTRALIA University of Queensland, Brisbane

OVERSEAS FINAL YEAR PROJECT (OFYP)

CN Yang Scholars will undertake their Overseas Final Year Project as a research attachment at a reputable overseas university for up to 8 months, with financial support from this programme.

This project allows scholars to gain insights into the breadth and diversity of research work in an international environment, providing them with an all-rounded and enriching learning experience.

Sungkyunkwan University, South Korea

Overseas Supervisor:
Asst Prof Joshua Jackman

Project Title:
Unraveling How Ethanol-Induced Conformational Changes Affect BSA Protein Adsorption onto Silica Surface

TAN JIA YING, BRENDA Chemical and Biomolecular Engineering, Class of 2021

" OFYP was an eye-opening experience as I got to gain new research experiences and interact with people from different walks of life overseas – a rare opportunity. It allowed me to step out of my comfort zone and understand research in a new capacity and culture. "

University of Luxembourg

Overseas Supervisor:
Prof Alexandre Tkatchenko

Project Title:
Applying Machine Learning to Quantum Chemistry

Current position:
PhD Student at COSMO-EPFL, Écublens, Vaud, Switzerland

HOW WEI BIN Chemistry and Biological Chemistry, Class of 2022

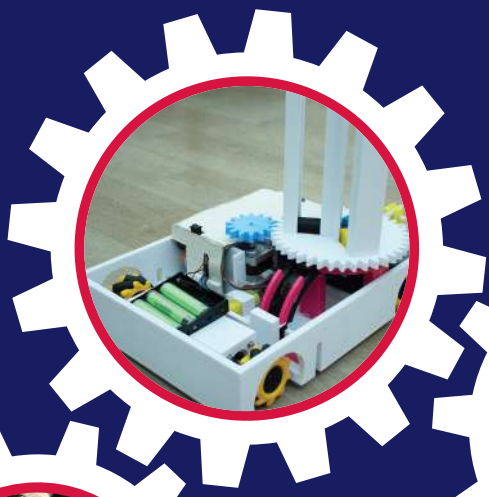
" My OFYP experience at the University of Luxembourg was both fun and enriching. I worked with experienced team members who were highly collaborative and inclusive, allowing me to learn more about machine learning and quantum chemistry. In all, the experience has not only given me further insight into getting a PhD but has holistically developed me as a person. "

MAKING & TINKERING
(RESEARCH ATTACHMENT 3)

The unique Making & Tinkering course introduces scholars to product prototyping. The ubiquity of open-source hardware and software allows scholars to design, code and build prototypes for science & engineering applications. Scholars gain hands-on experience in iterative prototype design, development, and presentation, guided by experienced mentors. Through this course, scholars gain a strong understanding of the Research & Development (R&D) cycle processes.

LYRE LYRE

AUTOMATED DOMINO-PLACING VEHICLE



WISHY WASHY

VISOHMS

NANYANG TECHNOLOGICAL UNIVERSITY, SINGAPORE

CN YANG SCHOLARS PROGRAMME

Premier Scholars Programmes Office
Academic Block North
61 Nanyang Drive, ABN-B2b-11
Singapore 637335

(65) 6513 2138
d-cnyang@ntu.edu.sg
NTUCNYSP
ntucnysp
www.ntu.edu.sg/cnyang-scholars