CN YANG SCHOLARS PROGRAMME
INTRODUCTION

The CN Yang Scholars Programme (CNYSP) nurtures future leaders at the intersection of science and engineering. The programme focuses on fostering your skills in technological innovation and scientific communication, grounded in a solid foundation of science and engineering.

Network with a close-knit community of scholars through 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.

Join this extraordinary journey and immerse yourself in the spirit of innovation, tenacity and social capital. It is a path for making a lasting impact in the vast array of career possibilities that await you in the future.

WHY CHOOSE CNYSP?

01 Scholarship Opportunity
02 Multi-Disciplinary Curriculum
03 Guaranteed Overseas Final Year Project with Subsidy
04 Guaranteed Overseas Learning Trip with Subsidy
05 Global Exchange Experience
06 Innovation Driven Projects
07 Journal Publication with Award
08 Guaranteed Hall Stay
09 Peer Support System
10 Meeting World Class Leaders in Science and Engineering
11 Joint PhD at NTU/Overseas University (optional)
12 International Conference with Subsidy

COURSE ELIGIBILITY

Science
- Biological Sciences
- Chemistry & Biological Chemistry
- Environmental Earth Systems Science
- Mathematical Sciences
- Physics & Applied Physics

Second Major
- Data Analytics (For Science and Engineering programmes)
- Sustainability (For Science and Engineering programmes)* Pending Approval

Engineering
- Aerospace Engineering
- Bioengineering
- Chemical & Biomolecular Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical & Electronic Engineering
- Environmental Engineering
- Information Engineering & Media
- Materials Engineering
- Mechanical Engineering

APPLICATION PROCESS

Fill out the online undergraduate application form
Indicate your interest to be considered for CNYSP
We will contact shortlisted candidates for an interview

Recipients with external scholarship are welcome to apply.

CN YANG SCHOLARS PROGRAMME SCHOLARSHIP (CNYSPS)

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CURRICULUM OVERVIEW

CNYS Core Courses
- Biology
- Chemistry
- Mathematics
- Physics
- Climate Change

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

Overseas Learning Trip
- 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

Interdisciplinary Collaborative Core (ICC)
- Biology
- Chemistry
- Climate Change
- Mathematics
- Physics

Research Opportunities

International Conference with Subsidy

YES

NO
OVERSEAS EXPERIENCE

Venturing overseas during university breaks down boundaries, empowering you with a truly global education. This journey is transformative, nurturing empathy, life skills, academic excellence and enduring connections. It underscores the profound benefits of learning abroad, shaping global perspectives and enriching lives in an interconnected world.

Overseas Learning Trip

CN Yang Scholars have the opportunity to partake in one of the overseas learning trips organised by the CN Yang Scholars’ Club during their freshmen year.

Overseas Final Year Project

CN Yang Scholars will undertake their Overseas Final Year Project as a research attachment to an overseas university for up to 8 months, with financial support from the programme. This allows scholars to delve into a wide spectrum of research endeavours in an international environment, for a complete and enriching learning experience.

Overseas Conference

CN Yang Scholars have the privilege to engage in international conferences where they can showcase their research publications.

The CNYS has been enjoyable and it has also solidified my interest and passion for scientific research. The multiple opportunities for overseas exposure have expanded my perspectives in research, increasing the relevance of my work on an international level.

Hong Davin
(Biological Sciences, Class of 2023)

OFYP in Columbia University

The CNYSP has been the driving force behind my decision to attend NTU. For me, the highlight of the programme has undoubtedly been the overseas final year project, which allowed me to engage in research in an international setting. This experience not only broadened my academic knowledge but also exposed me to different cultures and perspectives.

Shang Ziyuan
(Computer Science, Class of 2023)

OFYP in University College London

Overseas Conference

Eleventh International Conference on Learning Representations (ICLR 2023)
Kigali, Rwanda
1-5 May 2023

ASCO Breakthrough 2023
Tokyo, Japan
3-5 August 2023

The 24th International Conference on Artificial Intelligence in Education, AIED 2023
Tokyo, Japan
3-7 July 2023

UA Global Summit 2022
Dublin, Ireland
5-11 June 2022

Overseas Learning Trip

Overseas Final Year Project

Overseas Learning Trip & Overseas Final Year Project

Overseas Conference
The CN Yang Scholars Programme (CNYSP) fosters personal growth and self-discovery. While research isn’t my ultimate pursuit, the programme excels in nurturing research talents, imparting a profound appreciation for this field and honing essential skills such as critical thinking. As I look back on my journey, it’s undoubtedly an exceptional programme, equipping individuals with crucial soft skills for various professional roles.

**Heard From Our CN Yang Alumni About The Programme**

**Lee Ming En**  
(Aerospace Engineering, Class of 2022)  
Engineer, Defence Science and Technology Agency (DSTA)

CNYSP allowed me to discover my passion for research through its multiple research opportunities. The funding also allowed me to go for overseas conferences. Through the global exposure offered and supported by the programme, I have developed a greater understanding of academia and seen more of the world.

**Zann Teo Jiexin**  
(Environmental Earth Systems Science, Class of 2023)  
PhD in Ecology, NTU  
Nanyang President’s Graduate Scholarship

CNYSP has equipped me with technical skills for research and significantly influenced the way I approach science. I am currently pursuing my passion in clinical gerontology and geriatrics under the Health Services and Systems Research Signature Research Programme. My work heavily involves the intersection between the clinical sciences, social science, and policy, and I believe that my aptitude for dealing with these complexities is in part due to the multi-disciplinary training I’ve received from the programme.

**Koh Jean Wen, Vanessa**  
(Biological Sciences, Class of 2021)  
PhD in Duke-NUS Medical School  
Duke-NUS PhD Fellowship Award

CNYSP expanded my research horizons, guiding me from theoretical to experimental physics. Fascinated by quantum physics, I specialised in ultracold atoms during my transformative FYP. The experience profoundly influenced my PhD, an advanced extension of my FYP and reinforced my knack for independent research. The programme instilled the courage to question, a skill vital in my PhD journey and imparted time and mental health management skills, crucial in the marathon of a PhD. Overall, CNYSP was a major contributing factor for my passion and success in experimental physics.

**Hsu Chung Chuan, Michael**  
(Physics/Applied Physics, Class of 2021)  
PhD in Physics, Ultracold Atoms, Atom Interferometry, University of Cambridge

CNYSP has expanded my research horizons, guiding me from theoretical to experimental physics. Fascinated by quantum physics, I specialised in ultracold atoms during my transformative FYP. The experience profoundly influenced my PhD, an advanced extension of my FYP and reinforced my knack for independent research. The programme instilled the courage to question, a skill vital in my PhD journey and imparted time and mental health management skills, crucial in the marathon of a PhD. Overall, CNYSP was a major contributing factor for my passion and success in experimental physics.

**Yeoh Kirk Ming**  
(Mechanical Engineering, Class of 2020)  
PhD in Multiscale modelling of composites  
President’s Graduate Fellowship, NUS

CNYSP has provided me with the opportunity to conduct research under the supervision of NTU, which confirmed my interest in pursuing postgraduate studies. The overseas opportunities allowed me to meet people from around the world and gain global perspectives, providing me with invaluable tools for my postgraduate research. This allows me to see limitless possibilities behind every research problem.

**Marcus Chan**  
(Chemical and Biomolecular Engineering, Class of 2020)  
Algorithmic Engineer and Education lead, Hyperganic Group

My CNYSP journey was transformative, shaping my academic and career path. Through research, I cultivated invaluable connections with professors and post-docs. This knowledge now fuels my role as an Algorithmic Engineer at Hyperganic. In my capacity as the Education Lead at Hyperganic, I’ve guided curriculum development, bridging design and development, and conducted masterclasses with renowned institutions. This role has been enriched by the diverse exposure gained through the programme.

**Lee Ming En**  
(Aerospace Engineering, Class of 2022)  
Engineer, Defence Science and Technology Agency (DSTA)

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**B. Ausie M. Widawati**  
(Mathematical Sciences, Class of 2023)  
Masters in Management, INSEAD
Information is correct at the time of printing (December 2023).
For updates, please refer to the website.