



NANYANG
TECHNOLOGICAL
UNIVERSITY
SINGAPORE



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?

Scholarship Opportunity

01

Multi-Disciplinary Curriculum

02

Guaranteed Overseas Final Year Project with Subsidy

03

Guaranteed Overseas Learning Trip with Subsidy

04

Global Exchange Experience

05

Innovation Driven Projects

06

Journal Publication with Award

07

Guaranteed Hall Stay

08

Peer Support System

09

Meeting World Class Leaders in Science and Engineering

10

Joint PhD at NTU/Overseas University (optional)

11

International Conference with Subsidy

12

COURSE ELIGIBILITY

Science

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

Second Major

- Data Analytics (except Computer Science)
- Sustainability (for Science, Engineering and Computing programmes)
- Applied Physics with Second Major in Medical Physics
- Applied Physics with Second Major in Microelectronics Engineering
- Physics/Applied Physics with Second Major in Quantum Technologies

Engineering

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

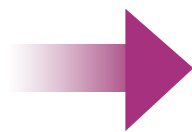
Computing

- Computer Engineering
- Computer Science

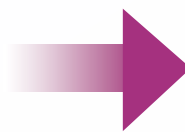
APPLICATION PROCESS



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)

- To be eligible, please be sure to choose the CN Yang Scholars Programme Scholarship (CNYSPS) in the scholarship section.
- Consideration for the scholarship is only for those who have submitted complete applications.

CURRICULUM OVERVIEW

CNYSP Core Courses

- Biology
- Chemistry
- Climate Change
- Mathematics
- Physics

Research Opportunities

- Introduction to Research (Lecture and Practice)
- Research Attachment 1 (1-year Local Lab Attachment)
- Making & Tinkering (Hands-on Team Project)

Overseas/Local Final Year Project

Overseas Learning Trip

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 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.





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The CNYSP 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



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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



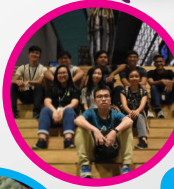
ASCO Breakthrough 2023

Tokyo, Japan
3-5 August 2023



The 24th International Conference on Artificial Intelligence in Education, AIED 2023

Tokyo, Japan
3-7 July 2023



Southern University of Science and Technology

Peking University



Xi'an Jiaotong University

Indian Institute of Technology, Madras (IITM)



Sungkyunkwan University of Korea



KAIST

Queensland University of Technology

Australian National University



University of Auckland

University of Waikato



Monash University



University of Melbourne



Tokyo Institute of Technology

University of Tsukuba

University of Queensland

Eleventh International Conference on Learning Representations (ICLR 2023)

Kigali, Rwanda
1-5 May 2023

CAREER PROSPECTS AND POSTGRADUATE OPPORTUNITIES

The CNYSP offers a gateway to exceptional career prospects and postgraduate study opportunities. It is designed for excellence, combining industry connections, mentorship, research, and global exposure to empower scholars for diverse career trajectories. With a strong emphasis on holistic development, it serves as a launchpad for scholars to excel in their chosen fields, whether in academia, industry, entrepreneurship or public service.

HEAR FROM OUR CN YANG ALUMNI ABOUT THE PROGRAMME



The CN Yang Scholars Programme (CNYSP) fostered my personal growth and self-discovery. While research wasn'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.

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



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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, University of Cambridge
Girton College Singapore Scholarship



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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.

Yeoh Kirk Ming
(Mechanical Engineering, Class of 2020)

PhD in Multiscale modelling of composites
President's Graduate Fellowship, NUS



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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.

Marcus Chan
(Chemical and Biomolecular
Engineering, Class of 2020)

Algorithmic Engineer and Education lead,
Hyperganic Group



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CNYSP has enabled me to pursue my passion in environmental sciences research at ASE, even though I am a Mathematics major at SPMS. The programme provides numerous cross-disciplinary research opportunities, mentorship, and a close-knit community that exemplifies #whyNTU.

B. Ausie M. Widawati
(Mathematical Sciences, Class of 2023)

Masters in Management, INSEAD





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