

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, makingand-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?



COURSE ELIGIBILITY

Science

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

Second Maior

- 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



Recipients with external scholarship are welcome to apply.

CN YANG SCHOLARS PROGRAMME SCHOLARSHIP (CNYSPS)

- Consideration for the scholarship is only for those who have submitted complete applications.

CURRICULUM OVERVIEW

CNYSP Core Courses

- Biology
- Mathematics Chemistry Physics
- Climate Change

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



• To be eligible, please be sure to choose the CN Yang Scholars Programme Scholarship (CNYSPS) in the scholarship section.





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

Overseas Conference

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.

> California Institute of Technology (Caltech)

University of California, Los Angeles (UCLA)

Stanford University

OceanObs'19 Honolulu, Hawaii 16-20 September 2019

Michigan Technological University

- Overseas Learning Trip
- **Overseas Final Year Project**
- Overseas Learning Trip & **Overseas Final Year Project**
- **Overseas Conference**

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



University of Helsinki

CERN

University of Oxford Sorbonne University

Johns Hopkins University

Massachusetts Institute of Technology (MIT)

> Harvard Medical School

Trinity College Dublin

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



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

Peking University Xi'an Jiaotong University

> ndian Institute of Technology, Madras (IITM)

Sungkyunkwan University of Korea

KAIST

Queensland University of Technology



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



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



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**



Lee Ming En

The CN Yang Scholars Programme (CNYSP) fostered my personal growth and self-

(Aerospace Engineering, Class of 2022)

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.



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.

Engineer, Defence Science and

Technology Agency (DSTA)

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)



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)

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



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 #whvNTU.

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

PhD in Physics, Ultracold Atoms, Atom Interferometry, University of Cambridge

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

Masters in Management, INSEAD



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www.ntu.edu.sg/cnyang-scholars





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NANYANG TECHNOLOGICAL UNIVERSITY, SINGAPORE CN YANG SCHOLARS PROGRAMME

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