FACT SHEET

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About NTU’s C N Yang Scholars Programme

The C N Yang Scholars Programme is a premier undergraduate programme at Nanyang Technological University (NTU) for science and engineering students. It shares the same philosophy as the Caltech Core Curriculum and the MIT General Institute Requirement in providing the scholars a strong and broad foundation in the basics of science and mathematics so as to empower them to delve deeper into any discipline in science, technology, engineering and mathematics, and to develop an interest in forefront research.

The Scholars Programme is named in honour of one of the first Asian Nobel Laureates, Professor Chen-Ning Yang (C N Yang), who won the Nobel Prize for Physics in 1957.

Eligibility & Enrolment
Candidates with outstanding academic records in Science and Mathematics are eligible for the programme. Enrolment is limited to no more than 50 students for the academic year 2006/7.

Core Curriculum
All students in the C N Yang Scholars Programme are required to read the following core curriculum in the first year:

- Three modules of core Mathematics covering calculus of one and several variables, linear algebra and differential equations,
- Three modules of core Physics covering classical and quantum mechanics, electromagnetism and relativity,
- One module of Chemistry covering the principles of modern chemistry and organic chemistry,
- One module of Biology covering the concepts and tools of modern biology,
- Two modules of science laboratory classes chosen from among those offered by physics, chemistry, and biology,
- One module in Scientific Writing where students learn to research, write, and revise a 3,000-word paper on a science or engineering topic under the advice of a faculty mentor on content.

Courses
After completing the core curriculum, a student may pursue any of the following courses:

- Aerospace Engineering
- Bioengineering
- Biological Sciences
- Chemical & Biomolecular Engineering
- Chemistry & Biological Chemistry
- Civil Engineering
• Computer Engineering
• Computer Science
• Electrical & Electronic Engineering
• Environmental Engineering
• Materials Engineering
• Mathematical Sciences
• Mathematics and Economics
• Mechanical Engineering
• Physics & Applied Physics

or a double degree programme in
• Business and Computing

Scholarship, campus residence & other highlights
• Successful candidates admitted to the programme will be offered scholarships covering tuition fees and living expenses.
• Successful candidates will be guaranteed a place to stay in one of the Halls of Residence for their four years of study.
• Every student will be assigned a mentor who will provide guidance for the student's whole academic programme at NTU, participate in the programmes of the Institute of Advanced Studies and meet with world-renowned academics, have priority in overseas exchange programmes, and research attachments.