

# SATU Presidents' Forum

of Southeast and South Asia and Taiwan Universities  
台灣與東南亞暨南亞大學校長論壇

✉ : National Cheng Kung University  
No. 1, University Road,  
701 Tainan City, Taiwan  
☎ : +886-6-2099250  
☎ : +886-6-2373551  
✉ : satu@email.ncku.edu.tw  
🌐 : <http://conf.ncku.edu.tw/satu>

## All English Programs

### University Profile

Nanyang Technological University, Singapore

Website: [www.ntu.edu.sg](http://www.ntu.edu.sg)

Core Language of Instruction: English

Global Programmes

To apply for semester exchange : [www.ntu.edu.sg/GEM-Trailblazer](http://www.ntu.edu.sg/GEM-Trailblazer)

To apply for GEM Trailblazer Summer : [www.ntu.edu.sg/summerNTU](http://www.ntu.edu.sg/summerNTU)

### About Nanyang Technological University (NTU)

Young and research-intensive, Nanyang Technological University (NTU) is the fastest-rising Asian university in the world's top 50.

The university has five colleges, one of which is only focused on interdisciplinary graduate research, and a new medical school, the autonomous **Lee Kong Chian School of Medicine**, set up jointly with Imperial College London.

NTU is also home to world-class autonomous entities such as the **National Institute of Education**, **S Rajaratnam School of International Studies**, **Earth Observatory of Singapore**, and **Singapore Centre on Environmental Life Sciences Engineering**.

NTU provides a high-quality global education to about 33,000 undergraduate and postgraduate students. The student body includes top scholars and international olympiad medallists from the region and beyond. Hailing from more than 70 countries, the university's 3,800-strong teaching and research staff bring dynamic international perspectives and years of solid industry experience.

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## Five Peaks of Excellence

NTU's five-year strategic plan, NTU 2015, maps out how it will become a great global university by 2015. Under this, NTU will build on its current strengths and heritage to make its mark internationally in five areas – sustainability, healthcare, new media, the best of the East and West, and innovation. The areas leverage NTU's diverse strengths, particularly its longstanding expertise in engineering and business, and the interfaces these have with various disciplines such as healthcare, science and the humanities. With almost \$849m of research funding in the area of sustainability, NTU is already a global leader in this area.

NTU has set up a medical school jointly with Imperial College London to meet the challenges of ageing and healthcare in Singapore. The Lee Kong Chian School of Medicine, an autonomous institution, will pioneer medical innovations and bring about enhancements to the healthcare system.

## Diverse disciplines for diverse talents

In the QS World University Rankings 2013, NTU is ranked 41st in the world – up 33 notches in three consecutive years. The university's international standing has risen rapidly in recent years and it has been consistently ranked within the top 1% of universities globally (77th in 2008; 73rd in 2009; 74th in 2010; 58th in 2011, 47th in 2012). In October 2013, NTU climbed 10 places to be ranked 76th worldwide in Times Higher Education's World University Rankings. This is the third straight year of sharp ascent for NTU in the Times Higher ranking, having vaulted a phenomenal 98 positions since 2010. For the first time, NTU is ranked 1st in the world for industry income and innovation, a big jump from last year's 15th place.

In July 2011, NTU became the first university in Asia to be rated 5-stars under the new QS Stars rating system. The new system is a comprehensive evaluation by QS across 30 different areas – a broader range of criteria than traditional rankings. NTU scored the maximum of 5-stars each for eight key areas: research, employability, teaching, infrastructure, internationalisation, innovation, engagement and specialist strength.

The **Lee Kong Chian School of Medicine**, NTU's joint medical school with Imperial College London, one of the top ten universities in the world, will train future doctors for Singapore, pioneer medical innovations and bring about enhancements to the healthcare system.

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The **College of Engineering**, the world's largest engineering college, has six schools focused on technology and innovation and a research output among the top three universities globally. The six constituent Schools of Engineering are:

## School of Chemical and Biomedical Engineering

The School comprises two divisions: The Division of Chemical and Biomolecular Engineering and Division of Bioengineering. The Division of Chemical and Biomolecular Engineering offers courses in core chemical engineering disciplines with particular focus on pharmaceutical engineering, while the Division of Bioengineering offers biomedical-related courses involving biological and physiological engineering, bioinstrumentation and medical devices, and biotechnology.

## School of Computer Engineering

The School consists of four divisions: Visual & Interactive Computing, Networks & Distributed Systems, Hardware & Embedded Systems and Software & Information Systems.

## School of Civil and Environmental Engineering

The School is organised into three divisions: The Division of Environmental and Water Resources Engineering, Division of Infrastructure Systems and Maritime Studies, and Division of Structures and Mechanics.

## School of Electrical and Electronic Engineering

The School is organised into six divisions: The Division of Power Engineering, Division of Circuits and Systems, Division of Information Engineering, Division of Control and Instrumentation, Division of Communication Engineering, and Division of Microelectronics.

## School of Materials Science and Engineering

The School, comprising the Division of Materials Science and the Division of Materials Technology, has also rapidly evolved into a hub of excellence for teaching and research over the last two decades.

## School of Mechanical and Aerospace Engineering

The School of Mechanical and Aerospace Engineering consists of six divisions. They are the Division of Aerospace Engineering, Division of Engineering Mechanics, Division of Manufacturing Engineering, Division of Mechatronics and Design, Division of Systems and Engineering Management, and Division of Thermal and Fluids Engineering.

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The **College of Science**, with award-winning faculty and world-class laboratories, runs Singapore's only direct honours bachelor's degree programmes in the biological, physical and mathematical sciences.

The *School of Biological Sciences* was established in July 2001. SBS provides students with a high quality university education and training in the life sciences. Graduates from its undergraduate B.Sc.(Honours) course as well as from its graduate research programmes are expected to fill the rapidly increasing demand for a talent pool of high-quality workforce and researchers for the life sciences industry.

The School of Physical & Mathematical Sciences was established in 2005. SPMS provides students with excellent preparation for further studies and fulfilling careers, through its innovative and relevant B.Sc.(Hons) programmes in Chemistry & Biological Chemistry, Mathematical Sciences, Mathematics & Economics, Physics & Applied Physics. It also offers M.Sc. and Ph.D. programmes in chemistry, mathematical sciences and physics.

The **Nanyang Business School** is ranked first in Asia in accountancy research and is consistently ranked as one of the best Asian business schools. It is also one of only three in Asia to be awarded both the EQUIS (European Quality Improvement System) and AACSB (Association to Advance Collegiate Schools of Business) accreditations - international hallmarks of quality.

The **College of Humanities, Arts, & Social Sciences** is home to the Wee Kim Wee School of Communication and Information, a top journalism and media school in Asia; a fast-growing humanities and social sciences school with niches of excellence; and Singapore's first professional art school offering degree courses in art, design and interactive digital media. The three Schools of HASS are:

The School of Art, Design and Media (ADM) empowers its students with the knowledge and tools to produce innovative design, compelling new media content and personal creative artworks.

ADM's inter-disciplinary courses are designed to mould creative individuals into outstanding artists, designers, animators, new media performers and even business leaders. In essence, we liberate imaginative minds to unleash breakthrough design as an integral part of life.

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Founded in 2003, the School of Humanities and Social Sciences (HSS) presents students with a world-class learning experience that serves as a platform for them to spearhead their progress as key contributors in their fields of expertise. The School offers undergraduate and graduate programmes in Chinese, Economics, English, Psychology, Sociology, and Linguistics and Multilingual Studies. It aims to challenge students to question, analyse, and respond in specially designed curricula that value curiosity and commitment, rigour and resourcefulness.

The Wee Kim Wee School of Communication & Information is reputed as one of Asia's best in communication education and research. In a mere 15 years, the school has produced media professionals who have significantly contributed to the media scene locally and overseas. The School's established ties with the local industry, and strong international links with elite communication and information partners ensure a curriculum that is highly relevant and richly rewarding.

The **Interdisciplinary Graduate School** supports PhD research in the university's interdisciplinary research centres in Sustainable Earth, New Media and Future Healthcare.

The **National Institute of Education**, Singapore's main teacher-training institute, is internationally-acclaimed and provides educational consultancy to countries from Abu Dhabi to Vietnam.

The **S Rajaratnam School of International Studies (RSIS)**, an autonomous graduate institution of NTU, runs the Institute of Defence and Strategic Studies, long recognised as a world authority on strategic studies and security research. RSIS was ranked second among university-affiliated think tanks in Asia in the 2011 Global Go-To Think Tank Rankings.

The **Earth Observatory of Singapore**, established in 2008 with S\$150m in state funding, is dedicated to hazards-related earth science.

The **Singapore Centre on Environmental Life Sciences Engineering** seeks to become a world leader in research on microbial biofilms, with the goal of finding new solutions in water and environmental sustainability

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