

A photograph of three students in a modern, brightly lit classroom or library. In the foreground, a young man with dark hair, wearing a grey t-shirt and large black headphones around his neck, is smiling and looking at a laptop. Next to him, a young woman with dark hair tied back, wearing a dark blue t-shirt, is also smiling and looking at the same laptop. A third student, seen from the back, is wearing a dark blue t-shirt and is also looking at the laptop. The laptop has a bright green cover. In the background, other students are visible, some sitting at tables and others standing, all in a similar setting with large windows and modern furniture. The overall atmosphere is collaborative and positive.

NUS AT A GLANCE 2013

WE ARE OUR HISTORY

1905

The Straits Settlements and Federated Malay States Government Medical School is founded at Outram, where Singapore General Hospital stands today.

1913

The School is renamed the King Edward VII Medical School, making it the first institution of higher learning in Singapore.

1921

The Medical School becomes the King Edward VII College of Medicine.

1928

Raffles College is established at Bukit Timah to provide tertiary education in the arts and sciences.

1949

Raffles College merges with the King Edward VII College of Medicine to form the University of Malaya, the very first university for the peoples of Singapore and the Federation of Malaya.

1955

Nanyang University, a privately-funded Chinese university, opens its doors.

1962

The Singapore campus of the University of Malaya becomes an autonomous institution known as the University of Singapore.

1980

The National University of Singapore is established with the merger of the University of Singapore and Nanyang University.



A little over a century ago, the National University of Singapore (NUS) was born in a bustling metropolis at the crossroads of Asia.

From modest beginnings as a medical college with 23 students, the University now spans three campuses and enrolls over 37,000 students in many critical fields of study and has partnerships around the world. Our strategic location in the heart of Asia has shaped NUS' growth over the last 100 years, and no doubt always will.

Today's NUS is a thought leader with a distinctive Asian perspective. We are transforming the future through education, research and service.



**WE EDUCATE
THE NEXT
GENERATION**

**What should the world expect of our graduates?
Expansive, collaborative and agile thinkers.
Multifaceted and entrepreneurial doers.**

Through a transformative education anchored in world-class expertise with an Asian perspective, our programmes empower graduates to think in new ways across disciplines. Never before has there been as much opportunity for students to pursue their passions and aspirations. NUS is a place that fuels each student's drive to add value to Singapore and the world.

Today's NUS education offers a breadth of disciplines, double degree and joint degree programmes, as well as entrepreneurial opportunities at home and around the world. We want every graduate to possess the intellectual capacity and real-world experience to meet and adapt to the professional challenges they will face throughout their lives. We want to prepare graduates for success in careers that are only now being imagined.

The student exchange, double degree and joint degree programmes allow our students to attend some of the world's best universities. Flexible educational pathways, often incorporating entrepreneurship training, inject a crucial global dimension into their education. The prestigious NUS Overseas Colleges programme, which immerses students in entrepreneurial hubs throughout the world, is one such example.

New pedagogies are just as vital to educating tomorrow's citizen-leaders. Yale-NUS College (Yale-NUS) is one of the University's newest initiatives, offering a unique pedagogy and programme combining the vast resources of both Yale University and NUS. Rather than a translation of the American liberal arts curriculum, the Yale-NUS curriculum designed specifically for the College maximises its location in Asia and redefines a liberal arts and science education for the 21st century. Yale-NUS' inaugural students begin their semester in July 2013.

Epitomising the NUS vision of a vibrant campus ecosystem is our latest educational hub – University Town (UTown). UTown integrates spaces for learning, living, arts and culture, sports and social activities, blurring the line between learning and interaction within and beyond the classroom. A highlight of UTown is its residential colleges – a first for Singapore – designed as

learning communities with small personalised classes. This collegial environment encourages students and professors to interact outside the classroom and promotes a richer, more holistic NUS experience.

Faculties & Schools

- Faculty of Arts and Social Sciences
- NUS Business School
- School of Computing
- Faculty of Dentistry
- School of Design and Environment
- Faculty of Engineering
- Faculty of Law
- Yong Loo Lin School of Medicine
- Yong Siew Toh Conservatory of Music
- Saw Swee Hock School of Public Health
- Faculty of Science
- University Scholars Programme
- Yale-NUS College
- NUS Graduate School for Integrative Sciences and Engineering
- Lee Kuan Yew School of Public Policy
- Duke-NUS Graduate Medical School Singapore



**WE FOCUS
ON IMPACT**

From ageing and translational medicine to finance and quantum technologies to the environment and urbanisation, NUS researchers hunt for the discoveries and solutions to advance life in Asia and the world.

Our strategy targets high-level research over a broad base from which several peaks of excellence naturally arise. We create synergies across boundaries. We collaborate with government, industry and leading academic partners to ensure that NUS research consistently addresses real-world issues.

To better respond to the interconnected challenges facing Asia and the rest of the world, we have combined the strengths of our Faculties, Schools, and Research Institutes and Centres to build five integrative research clusters: Finance and Risk Management, Biomedical Sciences and Translational Medicine, Ageing, Integrative Sustainability Solutions, and Asian Studies.

4 Research Centres of Excellence

- Cancer Science Institute of Singapore
- Centre for Quantum Technologies
- Mechanobiology Institute Singapore
- Singapore Centre on Environmental Life Sciences Engineering (jointly with Nanyang Technological University)

23 University-Level Research Institutes/Centres

- Asia Research Institute
- Centre for International Law
- Centre for Maritime Studies
- Centre for Remote Imaging, Sensing and Processing
- East Asian Institute
- Energy Studies Institute
- Institute for Mathematical Sciences
- Institute of Real Estate Studies
- Institute of South Asian Studies
- Interactive and Digital Media Institute
- Life Sciences Institute
- Middle East Institute
- NUS Environmental Research Institute
- NUS Global Asia Institute
- NUS Nanoscience and Nanotechnology Initiative
- NUS Research Institute (Suzhou)

- Risk Management Institute
- Singapore Institute for Neurotechnology
- Singapore Synchrotron Light Source
- Solar Energy Research Institute of Singapore
- Temasek Laboratories
- The Logistics Institute – Asia Pacific
- Tropical Marine Science Institute

Research Activities

2,741

NEW AND EXISTING
PROJECTS UNDERWAY¹

383

PATENT
APPLICATIONS FILED¹

228

RESEARCH AWARDS
ATTAINED¹

7,100

PAPERS PUBLISHED²

¹Financial Year 2011

²Calendar Year 2012

³Figures correct as at 25 April 2013



WE NURTURE VISIONARIES

NUS aspires to be a bold and dynamic community, with a “no walls” culture and a spirit of enterprise.

How do you teach innovation?
You give individuals opportunity to create value.

A central part of the NUS mission is transformative education that nurtures thinking individuals who are alive to opportunities to make a difference and add value to society.

Specifically, we pave the way for our students to innovate through four platforms:

Experiential Education

Students pursue specialised programmes as they study and work in entrepreneurial/academic hubs throughout the world.

NUS Overseas Colleges

- Silicon Valley, United States
- Philadelphia, United States
- Shanghai, China
- Stockholm, Sweden
- India
- Beijing, China
- Israel

iLEAD (*innovative* Local Enterprise Achiever Development) Programme

Entrepreneurship Support

At NUS, aspiring entrepreneurs find a variety of assistance schemes to help launch their ventures.

- NUS Enterprise Incubators
- Entrepreneurial seminars for faculty, student and alumni entrepreneurs
- Start-Up@Singapore (S@S) Business Plan Competition
- Mentoring, funding support, networking, investor-matching, legal and accounting clinics
- Entrepreneurship training workshops and practicums
- Entrepreneurial awards

Industry Engagement and Partnerships

We collaborate with industry to help inventions and discoveries arising from NUS research make the leap from the lab to the marketplace.

- Intellectual Property management and commercialisation, including the management of National Research Foundation's Proof-of-Concept grant for the NUS community, to accelerate the development of NUS technologies to market
- Collaborations with industry partners and key government agencies to spin off technologies/research from NUS into start-up companies

Through these engagement efforts and initiatives, greater connectivity and partnerships have been

formed between industry and our academic community. More than 70% of the participants are industry partners from local SMEs.

Entrepreneurship/ Innovation Research and Thought Leadership

Timely research on key issues in entrepreneurship and innovation underwrite continued growth in entrepreneurship.

- Academic entrepreneurship and how this can further contribute to the economy
- Innovation and Intellectual Property creation in the Asia Pacific
- Trends, challenges, processes and success factors of start-up enterprises

Enterprise Thrust

>2,000

INVENTION
DISCLOSURES

>3,000

PATENTS
FILED

>250

TECHNOLOGY
LICENSES
EXECUTED

>50%

AGREEMENTS
WITH INDUSTRY
AVERAGE OF LAST
THREE YEARS
(2010-2012)

>100

NUS
ENTERPRISE
PORTFOLIO
COMPANIES

>1,400

NOC AND
iLEAD
ALUMNI

**Cumulative figures as at 31 December 2012*



**WE CREATE
GLOBAL
KNOWLEDGE
NETWORKS**

Photo: University of North Carolina

Our faculty members forge links with like-minded colleagues around the world, leading to collaborative initiatives that transcend national boundaries.

NUS embraces partnerships in education and research that reach well beyond the University community to significantly impact society.

Collaborations with partner institutions fuel an exchange of ideas and research targeted at areas of strategic interest.

Our partnerships with some of the world's best institutions leverage each institution's strengths, bringing about extraordinary opportunities for teaching, learning and discovery, as well as innovative new programmes.

Some of our prestigious partnerships/partners are:

Partnerships

- Duke-NUS Graduate Medical School Singapore, with Duke University
- Keio-NUS CUTE Centre, with Keio University
- Lee Kuan Yew School of Public Policy, with John F Kennedy School of Government, Harvard University
- NUSDeltares, with Deltares
- Risk Management Institute, with University of California, Berkeley
- Singapore, Peking and Oxford Research Enterprise for Water Eco-Efficiency, with Peking University and University of Oxford
- The Logistics Institute – Asia Pacific, with Georgia Institute of Technology
- Yale-NUS College, with Yale University
- Yong Siew Toh Conservatory of Music, with Peabody Institute, Johns Hopkins University

Partners

- Beth Israel Deaconess Medical Centre, Harvard University
- European Aeronautic Defence and Space Company
- International Rice Research Institute
- Kühne Foundation

- Nagasaki University
- Shanghai Jiao Tong University
- The Hebrew University of Jerusalem
- The London School of Hygiene & Tropical Medicine
- Tsinghua University
- World Bank

Education and Research Facilities Overseas Established with International Partners

- NUS Research Institute in Suzhou Industrial Park
- NUS-Tsinghua Extreme (NExT) Search Centre in Beijing
- SONDRALaboratory with Supelec, Onera and DSTA Research Alliance in France
- Xiada-NUS Joint Life Science Laboratory with Xiamen University in China

Member of Prominent Global Networks

- International Alliance of Research Universities (IARU)
- Association of Pacific Rim Universities (APRU)
- ASEAN University Network (AUN)
- Universitas 21 (U21)

WE OFFER A DISTINCTIVE EXPERIENCE

23 UNIVERSITY-
LEVEL
RESEARCH
INSTITUTES
AND CENTRES

3

CAMPUSES
KENT RIDGE,
BUKIT TIMAH AND
OUTRAM

55

**BACHELOR'S
DEGREE
PROGRAMMES**

161

**MASTER'S AND
DOCTORAL DEGREE,
AND GRADUATE
DIPLOMA
PROGRAMMES**

70

**DOUBLE
DEGREES**

34

**JOINT
DEGREES**

21

**CONCURRENT
DEGREES**

29

**DOUBLE
MAJORS**

STUDENT EXCHANGE PROGRAMMES WITH

300

TOP UNIVERSITIES IN 40 COUNTRIES

7

NUS OVERSEAS COLLEGES
TO DEVELOP BUSINESS
ACUMEN AT GLOBAL
ENTREPRENEURIAL HUBS

OVER

37,000

STUDENTS FROM
100 COUNTRIES

AN ALUMNI BODY OF

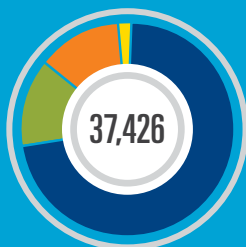
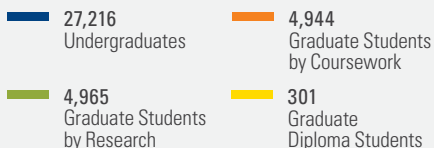
229,000

GRADUATES

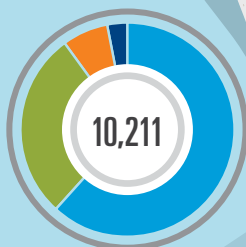
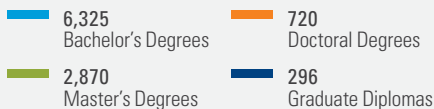
WE ARE MORE THAN NUMBERS

STUDENTS

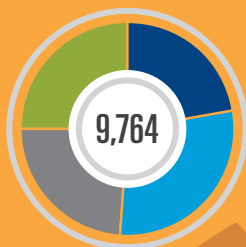
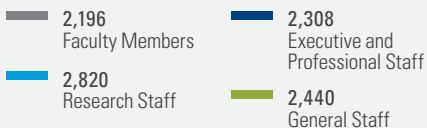
(ACADEMIC YEAR 2012/2013)*



CLASS OF 2012 (SEPTEMBER 2012)*



STAFF PROFILE (JUNE 2012)*





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