



**NANYANG  
TECHNOLOGICAL  
UNIVERSITY**  
SINGAPORE

# NTU

## AT A GLANCE

### 2020

ENGINEERING  
BUSINESS  
SCIENCE  
HUMANITIES, ARTS  
AND SOCIAL SCIENCES  
EDUCATION  
MEDICINE

World's No.1  
Young University  
2014-2020



## Contents

ABOUT NTU SINGAPORE	1
RESEARCH	8
UNDERGRADUATE EDUCATION	16
GRADUATE EDUCATION	18
EXECUTIVE AND CONTINUING EDUCATION	18
STUDENTS	19
FACULTY AND STAFF	20
ALUMNI	21

## Vision & Mission

A great global university founded on science and technology, nurturing leaders and creating societal impact through interdisciplinary education and research



## ABOUT NTU SINGAPORE

### Profile

- Fastest-rising university in the world's top 50; ranked 13<sup>th</sup> in the world\*
- Ranked 1<sup>st</sup> among the world's best young universities for 7 consecutive years (2014-2020)<sup>#</sup>
- World's fastest-rising young university<sup>~</sup>
- Research-intensive with lion's share of competitive funding in Singapore (about S\$6.6b from 2005 to 2019)
- Ranked No. 1 in Asia and No. 3 in the world by Citations for Artificial Intelligence (AI) (2010-19)<sup>></sup>
- About S\$2.5b for sustainability research from FY2005 to FY2019
- S\$587.2m in competitive research grants in FY2019/20
- Strengths in engineering, science, business, humanities, arts, social sciences, education, international studies and medicine
- Joint medical school with Imperial College London
- 8<sup>th</sup> most-cited university for engineering research output
- Joint labs on campus with leading multinationals such as Alibaba, Rolls-Royce, BMW, Lockheed Martin and Johnson Matthey
- Combined cash funding (including from NTU) of S\$388.6m for 10 corporate labs set up with industry partners such as Rolls-Royce, HP and Delta
- Frequently named among the world's most beautiful universities; medical campus in Novena, Singapore's healthcare district
- One of the world's greenest campuses with 57 Green Mark-certified (equivalent to LEED-certified) building projects, of which 95% are Green Mark Platinum
- 24 halls of residence housing more than 12,000 students
- 21 joint and dual PhD programmes with overseas universities
- About 24,580 undergraduates and 8,360 graduate students from about 72 countries
- About 4,960 faculty and researchers from about 76 countries
- Approximately 254,528 university alumni representing 155 nationalities

\*Quacquarelli Symonds (QS) World University Rankings

<sup>#</sup>QS Top 50 Under 50

<sup>~</sup>Times Higher Education

<sup>></sup>Elsevier SciVal

Established in 1991, Nanyang Technological University, Singapore (NTU Singapore) has roots that go back to 1981 when its predecessor institution, Nanyang Technological Institute, was set up on the grounds of the former Nanyang University as a teaching university.

Today, NTU is a research-intensive institution recognised globally for its impactful research, education and innovation, with strengths in many areas shaping the 4<sup>th</sup> Industrial Revolution. The **NTU Smart Campus** is a living test bed for Singapore's Smart Nation initiative and a model of sustainable living.



Yunnan Garden campus



Novena campus

### Joint medical school with Imperial College London

A new model for medical schools, the **Lee Kong Chian School of Medicine** combines NTU's core strengths in engineering and business with Imperial College London's world-renowned medical expertise. The School prepares the brightest minds for the demands of 21st-century healthcare and has introduced innovations to medical education. At its inception, the School received philanthropic support of about S\$400m.

### A rich heritage: National monuments on campus

Gazetted as a national monument in 1998 and now housing the Chinese Heritage Centre for research on Chinese overseas, the former Nanyang University Administration Building overlooks the historical Yunnan Garden.



The Nanyang University Memorial and original Nanyang University Arch were also declared national monuments of Singapore in 1998.

### Deep links with Asia, global connections

NTU's international outreach is broad and strong and includes more than 500 academic and research partnerships with institutions across the United States, Europe, the Asia-Pacific and beyond.

#### Global University Leaders Forum

NTU is a member of the Global University Leaders Forum, an intellectual community within the World Economic Forum in Davos. Through its involvement, NTU helps to set the agenda for discussions around the future of higher education, innovation and research with other leading universities in the world.

#### Global Alliance of Technological Universities

NTU is one of the seven founding members of the Global Alliance of Technological Universities (GlobalTech), a network of top technological universities united in addressing global issues through leading-edge science and technology. The eight members of GlobalTech are:

- Carnegie Mellon University
- Georgia Institute of Technology
- Imperial College London
- Indian Institute of Technology Bombay
- Nanyang Technological University
- Shanghai Jiao Tong University
- Technische Universität München
- University of New South Wales

### Governance

The 19-member NTU Board of Trustees is a key pillar of university governance and sets the broad strategic directions for the University. The President is the University's Chief Executive Officer. Forming the core leadership team of the University together with the President are the Provost and Deputy President, Senior Vice President (Research), Senior Vice President (Administration) and Vice President (University Advancement).

### Chancellor

The President of the Republic of Singapore is the Chancellor of the University.

### Colleges

#### College of Engineering

The largest engineering college in the world with six schools focused on technology and innovation; 8th most-cited university for engineering research output according to Essential Science Indicators; ranked 8th globally and 1st in Asia for Engineering and Technology by QS World University Rankings; home to Singapore's preferred engineering programme for top A-level graduates.

Schools:

- School of Chemical and Biomedical Engineering
- School of Civil and Environmental Engineering
- School of Computer Science and Engineering
- School of Electrical and Electronic Engineering
- School of Materials Science and Engineering
- School of Mechanical and Aerospace Engineering

#### College of Science

Award-winning faculty and world-class laboratories; ranked 4th globally and 1st in Asia for Chemistry by US News and World Report; ranked 26th in the world for Physical Sciences by Nature Index; offers Singapore's first double degree programme in Biomedical Sciences and Traditional Chinese Medicine in partnership with Beijing University of Chinese Medicine.

Schools:

- Asian School of the Environment
- School of Biological Sciences
- School of Physical and Mathematical Sciences

### Nanyang Business School (College of Business)

Consistently ranked among the world's premier business schools, with an MBA programme that is rated among Asia's top MBA programmes and the best in Singapore; first business school in Singapore, and the fifth in the Asia-Pacific, to be accredited by both the European Quality Improvement System and Association to Advance Collegiate Schools of Business.

### College of Humanities, Arts, and Social Sciences

Home to the best school in Asia for communication and media (QS World University Rankings and Academic Ranking of World Universities); fast-growing humanities and social sciences schools with special strengths in research on Asia; and Singapore's first professional art school offering degree courses in art, design and interactive digital media.

#### Schools:

- School of Art, Design and Media
- School of Humanities
- School of Social Sciences
- Wee Kim Wee School of Communication and Information

### Graduate College

Drives excellence in graduate education at NTU, covering research, interdisciplinary and coursework programmes; promotes inter-school collaboration and establishes joint-degree and exchange programmes through external partnerships.



### Autonomous institutes

#### National Institute of Education

Singapore's main teacher-training institute that provides educational consultancy to countries around the world; ranked 2nd in Asia (Academic Ranking of World Universities) and 2nd in Asia (QS World University Rankings) for education.

#### S Rajaratnam School of International Studies

A leading think tank and graduate school in strategic and international affairs in the Asia-Pacific; produces cutting-edge research on Asia-Pacific security, multilateralism and regionalism, conflict studies, non-traditional security, cybersecurity, maritime security and terrorism studies.

#### Lee Kong Chian School of Medicine

Combines NTU's core strengths in engineering and business with Imperial College London's world-renowned medical expertise; first doctors graduated in 2018 with a Bachelor of Medicine and Bachelor of Surgery (MBBS), awarded jointly by NTU and Imperial College London

#### Earth Observatory of Singapore

Established in 2008 with S\$150m in state funding; a leading resource centre in understanding environmental threats and the first Asian organisation to receive a S\$5m endowment from the global AXA Research Fund.

#### Singapore Centre for Environmental Life Sciences Engineering

Set up with S\$120m in government funding to harness microbial biofilms for water and environmental sustainability.

#### Wealth Management Institute

A centre of excellence for wealth management education and research in the region and beyond.

#### Chinese Heritage Centre

Advances knowledge and understanding of ethnic Chinese communities around the world, with a research centre, museum and library housed in the historic Administration Building of the former Nanyang University.



### Recruiting the best

Exceptional young international faculty from diverse disciplines are drawn into the University's academic and research enterprise through the **Nanyang Assistant Professorship** scheme, which awards grants of up to S\$1m over four years for cutting-edge research, as well as the prospect of tenure-track appointments.

Outstanding young researchers may also apply for prestigious fellowships in science and technology under a scheme promoted by the Singapore National Research Foundation, which could lead to an offer of a faculty position at NTU and research funding of up to S\$3m over five years.

NTU is committed to attracting the brightest post-doctorates and PhD students locally and globally. Quality graduate programmes, including joint PhD programmes with top overseas universities, and attractive scholarships, such as the **Nanyang President's Graduate Scholarship**, **NTU Research Scholarship** and **Singapore International Graduate Award**, help draw the very best research talent from all over the world.

The **NTU Presidential Postdoctoral Fellowship** invites outstanding early career researchers in all discipline to embark on their careers at NTU. This Fellowship provides up to S\$200,000 in research funding over two years for the Fellows' independent research, as well as personal development opportunities and mentorship in an established research group.

The **Wallenberg-NTU Presidential Postdoctoral Fellowship**, supported by the Knut and Alice Wallenberg Foundation, draws talents in the emerging areas of artificial intelligence, autonomous systems and software. Fellows start their research journey at NTU with up to \$100,000 in research funding, followed by a second year at a Wallenberg AI, Autonomous Systems and Software Programme (WASP) research partner institution in Sweden. This fellowship offers early career researchers opportunities to work in both Asia and Europe.

### Residential community

The Yunnan Garden campus provides a serene backdrop to 24 halls of residence housing more than 12,000 students and a variety of lodging options, including accommodation for about 1,200 graduate students. All undergraduates are guaranteed a place in a hall of residence for their first two years at NTU.

About 47% of full-time undergraduates and 82% of international undergraduates live on campus. Some 758 housing units are set aside for international academics and staff members.



### A town called NTU

- NTU has the largest on-campus residence infrastructure in Singapore.
- Under a Campus Master Plan, new learning, living, research and recreational spaces have been created to foster multidisciplinary pursuits and a collegiate culture. Two large learning hubs, centerpieces of flipped classroom learning at NTU, and a lifestyle hub, the North Spine Plaza, are part of this transformed landscape.
- About 41% of NTU's full-time student population and 57% of faculty call NTU home.

## RESEARCH

NTU performs cutting-edge research through various strategic national and international research programmes. The University hosts two out of five national Research Centres of Excellence (RCEs) – the Earth Observatory of Singapore and Singapore Centre for Environmental Life Sciences Engineering, both conducting research aligned with the long-term strategic interests of Singapore. NTU is also the lead local partner in 7 out of 9 national CREATE centres, set up with elite international universities.

Research in NTU is carried out within and across the colleges/schools and RCEs, supported by 9 university-level research institutes, 10 Corporate Labs\*, 53 research centres under the colleges/schools, and 24 joint centres with external organisations.

### Key research centres and institutes

- Active Living for the ElderLY (LILY)
- Ageing Research Institute for Society and Education (ARISE)
- Alibaba-NTU Singapore Joint Research Institute
- Centre for Research and Development in Learning (CRADLE)
- CNRS-International-NTU-Thales Research Alliance (CINTRA)
- Complexity Institute (CI)
- Continental-NTU Corporate Laboratory: Future-oriented Continental Urban Society (FOCUS) Laboratory\*
- CSA-NTU Joint Centre
- Cyber Security Research Centre@NTU (CYSREN)
- Data Science and Artificial Intelligence Research Centre@NTU (DSAIR)
- Delta-NTU Corporate Laboratory\*
- Emerging Nanoscience Research Institute (EnRI)
- Energy Research Institute@NTU (ERI@N)
- Fraunhofer Singapore
- GFS-NTU Joint Programme on Advanced ReRAM Technology for Embedded Systems\*
- HP-NTU Digital Manufacturing Corporate Laboratory\*
- Nanyang Environment & Water Research Institute (NEWRI)
- NTU Institute for Health Technologies (HealthTech NTU)
- NTU Integrated Medical, Biological & Environmental Life Sciences (NIMBELS)
- NTU-PKU Joint Research Institute
- Office of Research and Technology in Defence and Security (ORTDS)
- Rolls-Royce@NTU Corporate Laboratory\*
- Singapore Centre for 3D Printing (SC3DP)
- Singapore Energy Centre (SgEC)
- Singtel Cognitive and Artificial Intelligence Laboratory for Enterprises (SCALE@NTU)\*
- Sino-Singapore International Joint Research Institute
- S-Lab for Advanced Intelligence\*
- SMRT-NTU Smart Urban Rail Corporate Laboratory\*
- ST Engineering-NTU Corporate Laboratory\*
- Strategic Centre for Research in Privacy-Preserving Technologies & Systems (SCRIPTS)
- Surbana Jurong-NTU Corporate Laboratory\*
- Temasek Laboratories@NTU
- The Photonics Institute (TPI)

\*Supported by Singapore's National Research Foundation under its Corporate Laboratory@University Scheme





### Preparing for the 4<sup>th</sup> Industrial Revolution

NTU is home to a critical mass of talent, resources and infrastructure in the key areas shaping the 4th Industrial Revolution.

The **NTU Institute of Science and Technology for Humanity (NISTH)** was established in 2018 as a university-wide effort to propel research and public discourse on the contemporary impact of technology on society.

The Institute champions interdisciplinary research on science and technology studies, and brings together industry, government, academia and non-profit organisations to develop ideas and concepts for the prudent and ethical development of technology for the betterment of the human condition.

NISTH adopts a thematic approach that cuts across broad subject areas such as science, technology, business, medicine, the humanities, arts and social sciences. It will initially focus on three main thrusts: Responsible Innovation, Governance and Leadership in the Age of the Fourth Industrial Revolution, and Emerging Urban Asia.

### Some of NTU's international academic partners

#### Europe

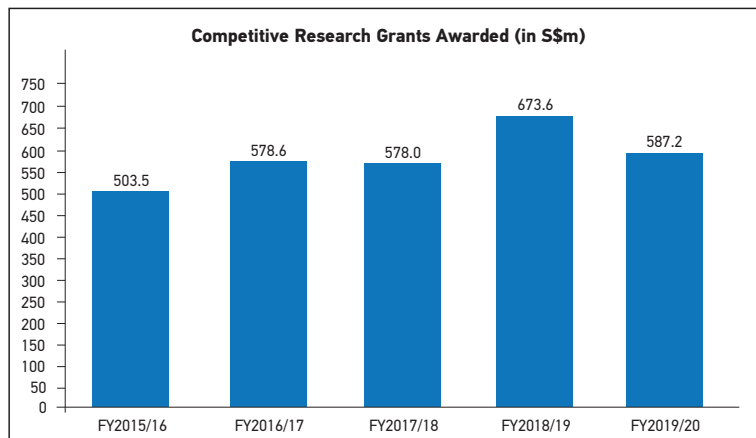
- CEA: French Alternative Energies and Atomic Energy Commission
- CNRS - Centre National de la Recherche Scientifique
- Copenhagen Business School
- ETH - Eidgenössische Technische Hochschule Zürich
- Fraunhofer-Gesellschaft
- Graz University of Technology
- Imperial College London
- Karolinska Institute
- King's College London
- KTH Royal Institute of Technology
- Medical University Vienna
- Norwegian University of Science and Technology
- Sorbonne University
- Technical University of Denmark
- Technische Universität München
- TNO (The Netherlands Organisation for applied scientific research)
- Université Grenoble Alpes
- Université Paris-Saclay
- University College London
- University of Bristol
- University of Cambridge
- University of Edinburgh
- University of Southampton
- Wageningen University

#### North America

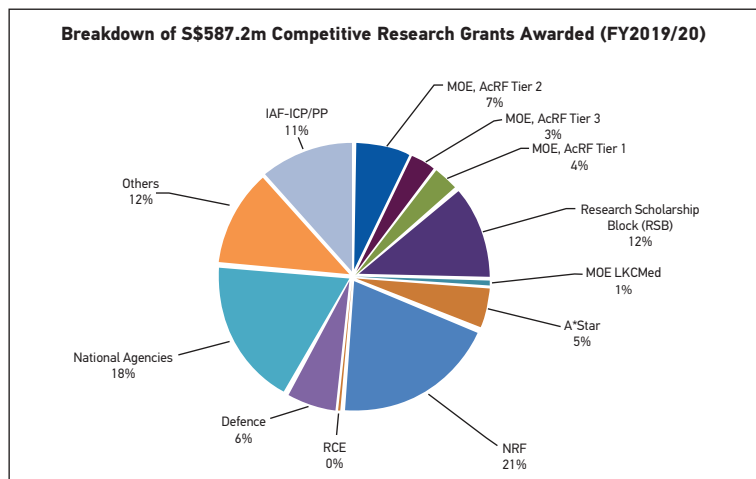
- California Institute of Technology
- Carnegie Mellon University
- Cornell University
- Georgia Institute of Technology
- Massachusetts Institute of Technology
- Monterrey Institute of Technology and Higher Education
- Northwestern University
- University of British Columbia
- University of California, Berkeley
- University of California, Los Angeles
- University of Toronto

#### Asia and beyond

- Australian National University
- Chinese Academy of Sciences
- Chulalongkorn University
- Fudan University
- Gadjah Mada University
- Hebrew University of Jerusalem
- Hong Kong University of Science and Technology
- Indian Institute of Technology Bombay
- Indian Institute of Technology Madras
- Korea Advanced Institute of Science and Technology
- Kyoto University
- Mahidol University
- National Taiwan University
- Osaka University
- Peking University
- Seoul National University
- Shanghai Jiao Tong University
- Technion-Israel Institute of Technology
- The University of Hong Kong
- Tokyo Institute of Technology
- Tsinghua University
- University of Melbourne
- University of New South Wales
- University of Tokyo
- University of Malaya
- University of Indonesia
- Vietnam National University, Ho Chi Minh City
- Zhejiang University

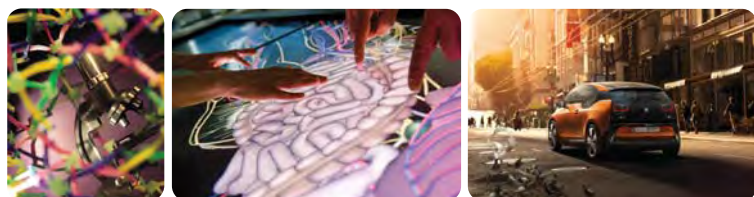


Above figures include RSB and Tier 1



MUE ACHT: The Ministry of Education's (MOE) Academic Research Fund (AcRF) encompasses three tiers of research grants, with Tier 1 grants being the smallest

NRF: NRF grants, awarded by the Singapore government, include Competitive Research Programme (CRP), NRF Fellowship and Proof-of-Concept grants



## Creating excellence

NTU has established a strong presence in CREATE (Campus for Research Excellence and Technological Enterprise), an initiative of Singapore's National Research Foundation to foster ties between elite universities and Singapore-based institutions.

### Berkeley Education Alliance for Research in Singapore (BEARS)

A tie-up between NTU and University of California, Berkeley, to enhance the efficiency of buildings in the tropics through Building Efficiency and Sustainability in the Tropics (SinBerBEST) and Singapore-Berkeley Research Initiative for Sustainable Energy (SinBeRISE).

### Cambridge Centre for Advanced Research in Energy Efficiency in Singapore (CARES)

A partnership with the University of Cambridge to help minimise the carbon footprint of industrial-scale chemical processes.

### Nanomaterials for Energy and Water Management (NEW)

A CREATE alliance focused on using nanomaterials to improve energy and water management technologies.

### Singapore-ETH Centre for Global Environmental Sustainability (SEC)

Spearheads research in sustainable design, planning and construction to meet urban challenges, through the Future Cities Laboratory (FCL) and Future Resilient Systems (FRS).

### Singapore-MIT Alliance for Research and Technology (SMART)

MIT's largest international research programme involving NTU researchers, focused on solving societal problems through interdisciplinary research.

### Singapore-Technion Alliance for Research and Technology (START)

A collaboration to advance the field of cardiac restoration therapy.

### Technische Universität München (TUM) CREATE

Set up by NTU and Technische Universität München to develop sustainable transport solutions, including electric cars for Asian cities.



### Strong links with industry

NTU has a long record of cooperation with industry and is a partner of choice for leading commercial organisations and national research institutions.

### Strategic priority areas: Peaks of research excellence

Interdisciplinary areas of research that leverage NTU's existing strengths and address issues of national and global relevance

#### 1. Sustainable Earth

*Conserve, Transform, Recycle*

- Water
- Environment
- Resources
- Energy

#### 2. Global Asia

*Understanding, Engagement, Growth*

- Language
- Arts
- Culture
- Communities
- Commerce

#### 3. Secure Community

*Resilience, Adaptation, Protection*

- Economic
- Infrastructure
- Defence
- Resources
- Social harmony

#### 4. Healthy Society

*Healthy Living, Active Ageing*

- Metabolic disease
- Dermatology & skin biology
- Neuroscience & mental health
- Infection & immunity
- Medical technology
- Public & global health

### 5. Future Learning

*Understanding, Learning, Teaching*

- Neurosciences
- Psychology
- Pedagogy
- Technology-enabler

### Strategic priority areas: Strengths and focus clusters

#### **NTU's in-depth disciplinary strengths & established competencies**

- Aeronautics & space
- Applied discrete mathematics – coding, crypto & game theory
- Computational science, engineering & data analytics
- Genomics
- Interactive digital media
- Language & cultural diversity
- Manufacturing & remanufacturing
- Nano-medicine
- Photonics
- Structural biology
- Synthetic organic chemistry

### Strategic priority areas: Aspirational and emerging areas

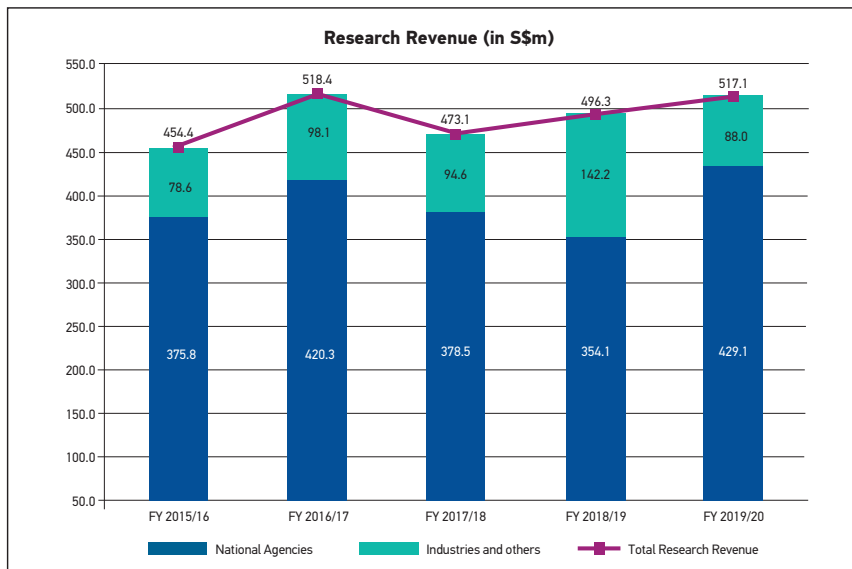
#### **New frontiers of research with the potential to transform the world and meet national and global needs and which NTU can build capacity in**

- Complexity science
- Digital humanities & social data analytics
- Ecology
- Food science & technology
- Man-machine interface
- Phenomics
- Plant science
- Quantum physics & quantum information
- Synthetic biology & biomimicry
- Urban spaces

## Major industrial research partners

- Agilent Technologies
- Alibaba Group\*
- AON Benfield Asia
- AXA
- Bae Systems
- BMW
- Carl Zeiss
- CNRS\*
- CW Group
- Delta Electronics\*
- Desay SV Automotive Singapore Pte Ltd
- EDF
- ENGIE
- Fraunhofer-Gesellschaft\*
- Guoxuan High-Tech Co Ltd (Guoxuan)
- Hutchinson
- JFE Engineering Corporation
- Jurong Port
- Keppel Offshore & Marine Technology Centre
- KLASS Engineering and Solutions
- Kurita Water Industries
- Leonardo Company (formerly Finmeccanica)
- LightLab Sweden AB
- L'Oreal
- Lushang
- M1 Limited
- MediaTek Inc
- NXP Semiconductors NV
- Panasonic
- Peng Da International
- Peugeot Citroen Automobiles Singapore (PSA Group)
- PTT Global Chemical (PTTGC)
- Robert Bosch
- Rolls-Royce\*
- Saab\*
- Sembcorp Design & Construction Pte Ltd
- Siemens Pte Ltd
- Singtel\*
- SMRT\*
- SP Group\*
- Sport and Fashion Management\*
- Sportmaster\*
- ST Dynamics / ST Aerospace
- ST Engineering\*
- Surbana Jurong\*
- Thales\*
- Volvo
- WeBank\*

\*with laboratories/centres at NTU



## UNDERGRADUATE EDUCATION

NTU offers 35 single degree programmes. Students can also choose from 15 double degree programmes, 1 integrated programme and 1 special programme. Two new programmes – Biomedical Sciences & BioBusiness and Mathematical & Computer Sciences – were introduced in AY2019.

**NTU Education**, a strategic blueprint for undergraduate education, supports how students learn and provides them with opportunities to develop skills that will enable them to face the future with optimism and confidence. It caters to new ways of learning and embeds the latest teaching practices, including the use of flipped classrooms for interactive and team-based learning, as well as residential education at the NTU halls of residence.

NTU is the world's first university to allow credits from Massive Open Online Courses (MOOCs) hosted on Coursera to be used to fulfil degree requirements. Approximately 26,000 learners have completed and passed NTU's MOOCs, including about 12,000 NTU students with credit transfer.

Bringing together top professors, the Teaching Excellence Academy fosters research to produce innovations that improve learning outcomes. The Centre for Research and Development in Learning at NTU is also advancing best practices in tertiary learning.

NTU Education includes:

### University Scholars Programme (USP)

A challenging multidisciplinary academic programme for the brightest students; offers a range of creative learning opportunities and fieldwork in unique destinations as well as an overseas semester at institutions such as the University of Pennsylvania and King's College London.

### Renaissance Engineering Programme (REP)

A fully-residential programme that bridges engineering, business and humanities to prepare students for leadership roles in interdisciplinary teams; students graduate with a Bachelor of Engineering Science degree and an MSc in Technology Management in 4.5 years; includes a full year of studies at Imperial College London, University of California (Berkeley), Northwestern University or University of British Columbia, as well as access to technology hubs in these regions.

### CN Yang Scholars Programme

Nurtures future leaders at the interface of science and engineering, with a focus on technological innovation and scientific communication; accelerated PhD track.

### Undergraduate Research Experience on Campus (URECA)

For students with a passion for research; gives access to more than 1,200 research projects campus-wide; students work independently under the guidance of a professor.

### Global Education and Mobility (GEM)

NTU offers enriching student mobility programmes with about 350 partner universities across more than 40 countries through its Global Education and Mobility (GEM) initiatives such as GEM Explorer and GEM Discoverer.

- **GEM Explorer** enables students to take courses or conduct research in an overseas partner university for a full semester while exploring a new country and culture.
- **GEM Discoverer** offers various programmes (ranging from 2 to 8 weeks) that place students globally for summer studies, business/cultural executive programmes and language training. All programmes are credit-bearing with the objective of enhancing students' cross-cultural intelligence and employability.

For more information on NTU's GEM programmes, please refer to <http://global.ntu.edu.sg>.

A range of assistance schemes is available to help students defray the cost of their overseas education.



## GRADUATE EDUCATION

NTU's graduate academic and research programmes, a number of which are ranked among the best globally, cater to more than 8,000 students from Singapore and around the world. A Master of Science (Artificial Intelligence) programme was introduced in AY2019.

NTU's network of global partners for joint/dual PhD programmes has increased over the years through the establishment of new research collaborations with internationally renowned universities. NTU currently has 21 joint/dual PhD degree programmes with overseas partners.

The NTU Graduate College, headed by a Dean, provides strategic oversight and academic leadership on all graduate education matters in the University.

## EXECUTIVE AND CONTINUING EDUCATION

The Centre for Professional and Continuing Education (PaCE) consolidates continuing education and training capabilities and expertise within the University, in line with the Singapore government's emphasis on advancing adult education and professional development for Singapore's workforce to better meet future challenges.

PaCE leverages technology to enrich the lifelong learning experience of adult learners, including the University's alumni, making it easier for them to take charge of their own continuing education.

Besides the programmes offered by PaCE, customised executive training programmes are also conducted by the Nanyang Business School, College of Engineering, College of Humanities, Arts, and Social Sciences, Nanyang Centre for Public Administration and Confucius Institute. 196 programmes were conducted in AY2018-19, and 170 programmes in AY2019-20. These programmes attracted approximately 4,792 and 3,635 participants respectively.





## STUDENTS

### Admissions

NTU welcomes applications from qualified individuals all over the world.  
Please visit <http://admissions.ntu.edu.sg> for admission details and contacts.

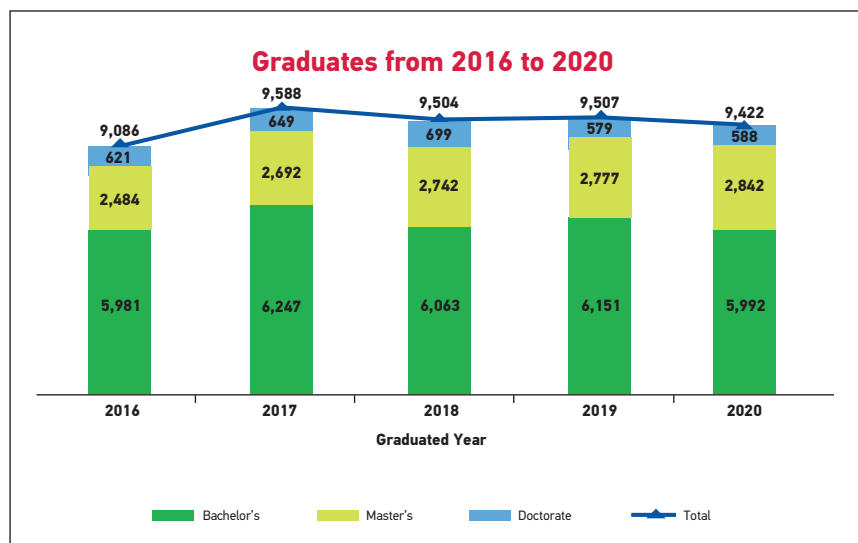
### Enrolment by college (AY2020-21)

College	Undergraduates <sup>1</sup>	Graduate Students <sup>2</sup>		Graduate Diploma <sup>2</sup>
		Coursework	Research	
Engineering	11,233	1,106	1,462	-
Science	3,079	97	457	-
Nanyang Business School	4,110	1,013	67	-
Humanities, Arts & Social Sciences	4,764	976	320	-
Medicine	671	-	84	53
NIE	722	1,354	193	542
Others <sup>1</sup>	-	348	290	-
<b>Total</b>	<b>24,579</b>	<b>4,894</b>	<b>2,873</b>	<b>595</b>

<sup>1</sup> Others include the Graduate College, Interdisciplinary Graduate School, Nanyang Technopreneurship Centre, S Rajaratnam School of International Studies and Wealth Management Institute, NTU

<sup>2</sup> There are 821 part-time undergraduate students; a total of 53 graduate diploma, 559 graduate research and 1,892 coursework students take part-time programmes

Figures are correct as at 7 Sep 2020



### Student life

About 120 NTU student organisations

### Student services

- Psychological and professional counselling
- Career services
- Sports and recreation
- Student clubs and communities
- Health care
- Medical and insurance schemes
- Internal shuttle bus services
- Immigration
- Student jobs
- Accessible education services (for students with special needs)
- One Stop @ SAC (Student Activities Centre)

More information on these student services can be found at:

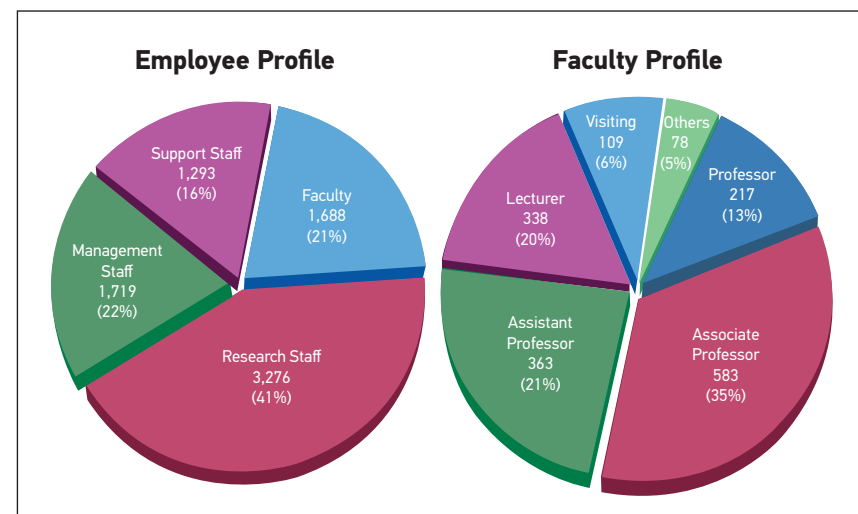
<http://www.ntu.edu.sg/students>

<http://www.ntu.edu.sg/SAO/OurServices>

<https://www.ntu.edu.sg/OneStop>

## FACULTY AND STAFF

NTU has a total faculty and staff population of 7,976\* (as at 1 Jul 2020).



\*Figures exclude adjunct faculty

## ALUMNI

- 254,528 university alumni representing 155 nationalities
- 52 overseas alumni associations: **Australia, Brunei, Cambodia, China** (Anhui, Beijing, Chongqing, Fujian, Gansu, Guangdong, Guangxi, Guizhou, Hainan, Hebei, Heilongjiang, Henan, Hong Kong SAR, Hubei, Hunan, Inner Mongolia, Jiangsu, Jiangxi, Jilin, Liaoning, Ningxia-Qinghai-Xizang, Shanxi, Shaanxi, Shandong, Shanghai, Sichuan, Tianjin, Xinjiang, Yunnan and Zhejiang), **Germany, Gulf Cooperation Council, India** (Northern, Central and Southern), **Indonesia, Japan, Malaysia, Myanmar, Philippines, South Korea, Switzerland, Taiwan, Thailand, United Kingdom, United States of America** (USA-East and USA-West) and **Vietnam** (Hanoi and Ho Chi Minh City)



### LYON, OUR MASCOT

“Lyon the lion” symbolises the University’s values of strength, courage and fearlessness. As the embodiment of the NTU spirit, it not only brings the University community together, but also inspires student teams to give their best performance at inter-varsity and other competitions. Designed by an NTU student, it made its debut in August 2013.



### THE NTU FLOWER

*Dendrobium Nanyang* is a pristine white orchid with a burst of purple at the heart of the bloom, signifying pure energy and a caring heart. The hybrid was created by students and teachers of Temasek Primary School as part of an orchid hybridisation programme developed at NTU’s National Institute of Education. The exquisite white petals represent the qualities that embody the university spirit – passion, tenacity, fortitude, leadership, innovation and entrepreneurship.