



NANYANG
TECHNOLOGICAL
UNIVERSITY

home for
global talent @
heart of
global-asia



GEM
trailblazer



contents

| | |
|--|----|
| welcome to NTU Singapore | 02 |
| surprising Singapore | 04 |
| acquire a global edge | 08 |
| semester study | 10 |
| research | 11 |
| work | 12 |
| summer | 13 |
| living & learning | 14 |
| sharing & connecting | 15 |
| real adventures, real stories | 16 |
| breaking boundaries (scholarships) | 18 |
| apply today | 19 |

COVER PHOTO (L - R)

Tim Kowalke, Maastricht University, The Netherlands; Josephine Vivant, École polytechnique fédérale de Lausanne, Switzerland; Sebin Lee, Ewha Womans University, South Korea; Audrey Marullaz, École polytechnique fédérale de Lausanne, Switzerland; GEM Trailblazer students, AY2014-2015



Nanyang Technological University (NTU Singapore) offers you opportunities to travel and study abroad on exchange via **GEM Trailblazer**, while exploring new cultures, all at the same time. With choices ranging from classroom, laboratory or career learning to exciting summer programmes, you will certainly find something to suit your interests.

GEM Trailblazer is offered by the Office of Global Education and Mobility, which expands global learning opportunities through three immersion programmes: GEM Discoverer and GEM Explorer (for outbound mobility) and GEM Trailblazer (for inbound mobility).

So get a headstart on your career and embark on GEM Trailblazer – the trail that will take you to one of Asia's most dynamic business hubs.



welcome to NTU Singapore – the world's top young university*

A UNIVERSITY FOR THE WORLD

33,000
undergraduate and
postgraduate students.

More than 8,000
international students
– that's over 25%.

ONE OF THE WORLD'S TOP 10 BUSINESS SCHOOLS

8th in FT Global
EMBA Ranking.

Best in Singapore
in The Economist
MBA Ranking.

ONE OF THE WORLD'S LARGEST ENGINEERING COLLEGES

5th in Engineering and
Technology in QS Asia
University Rankings by
subject 2015.

6 schools focused on
innovation and research.

INCULCATING GLOBAL PERSPECTIVES

4,300 faculty
and researchers from
80 countries.

WORLD-CLASS RANKINGS

4th in QS Asia
University Rankings
2015 (up from 7th).

5th in the world in Top
100 Under 50 by Times
Higher Education.



PARTNERSHIP WITH TOP UNIVERSITIES

Our academic partners include Imperial College London, University of California, Berkeley, Cambridge University, Carnegie Mellon University, Cornell University, Massachusetts Institute of Technology, Peking University, Stanford University, Technische Universität München and Waseda University.

OVER 400 PARTNERSHIPS WORLDWIDE

Joint laboratories with industry leaders like BMW, Rolls-Royce, Fraunhofer-Gesellschaft, Lockheed-Martin, Robert Bosch and Thales.

GLOBAL RECOGNITION FOR SCIENTIFIC RESEARCH

8th in Nature Index Asia-Pacific.

only direct honours bachelor's degree programme in biological, physical and mathematical sciences.

WALK IN THE FOOTSTEPS OF NOBEL LAUREATES

NTU's Institute of Advanced Studies has attracted 10 Nobel laureates to its panel of International Advisors.

* QS Top 50 Under 50 2014



surprising Singapore – the world's top destination country[^]

TINY ISLAND, BIG SURPRISES

World's second largest oceanarium –
SEA Aquarium

Thea Award-winning
Gardens by the Bay

Asia's first and only river-themed
wildlife park – **River Safari**

World's largest wind tunnel for
indoor skydiving
– **Sentosa**

FIRST AND ONLY FORMULA 1 NIGHT RACE IN THE WORLD¹

¹ www.formula1.com

REGIONAL GATEWAY

Singapore is a
springboard to explore
neighbouring Asian
countries.

MOST EFFICIENT HEALTHCARE SYSTEM IN THE WORLD²

² Bloomberg,
September 2014



**2ND SAFEST
CITY IN THE
WORLD³**

³ Economist Intelligence
Unit

**ONE OF THE
WORLD'S MOST
EFFICIENT PUBLIC
TRANSPORT
NETWORKS⁴**

⁴ Siemens AG

**ASIA'S BEST
COUNTRY TO
WORK IN⁵**

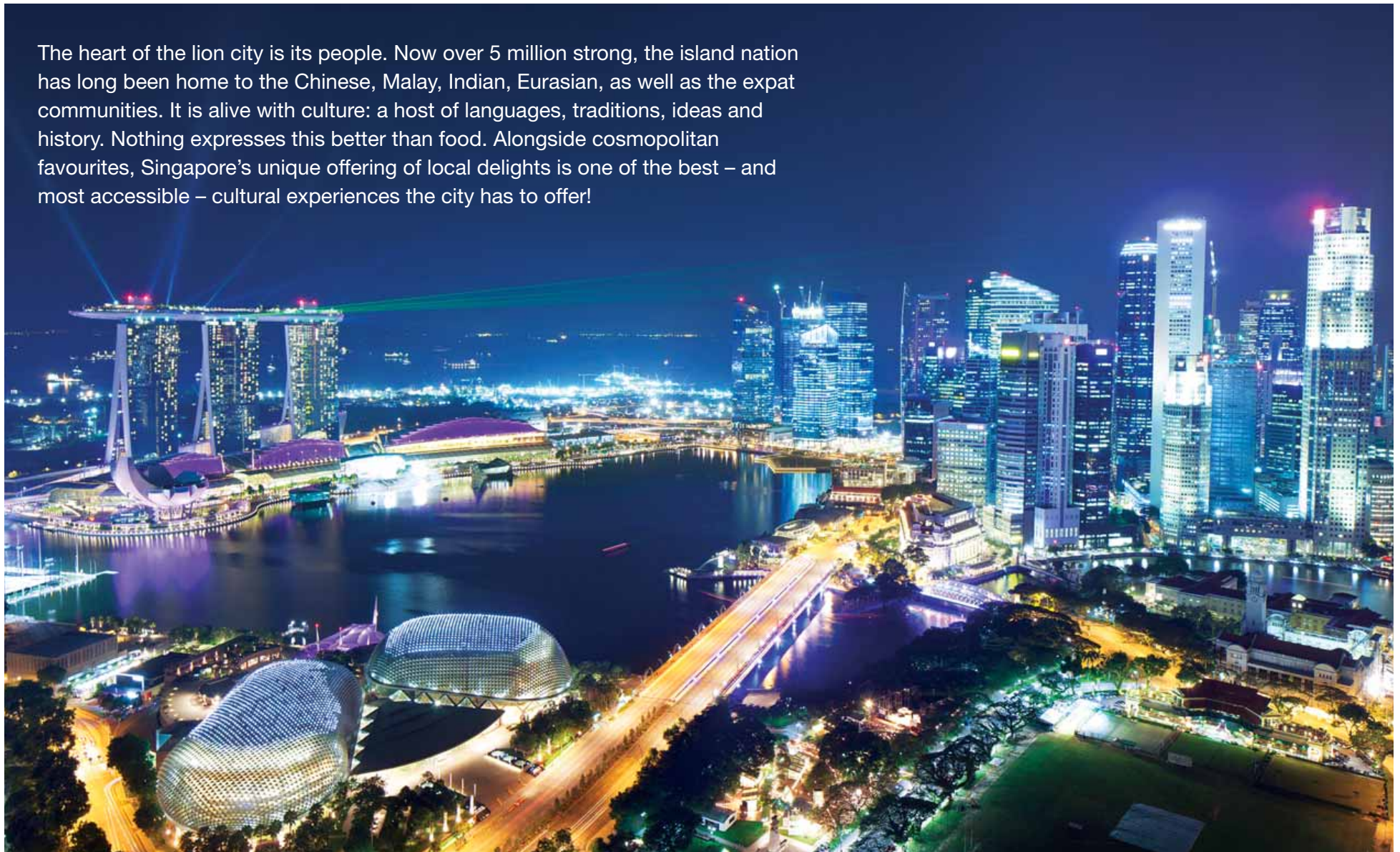
⁵ Global Competitiveness
Report 2011 - 2012,
World Economic Forum

^ Lonely Planet, Best in Travel 2015



unity in diversity

The heart of the lion city is its people. Now over 5 million strong, the island nation has long been home to the Chinese, Malay, Indian, Eurasian, as well as the expat communities. It is alive with culture: a host of languages, traditions, ideas and history. Nothing expresses this better than food. Alongside cosmopolitan favourites, Singapore's unique offering of local delights is one of the best – and most accessible – cultural experiences the city has to offer!



bring a bigger diary

Singapore's diverse mix of cultures means that the local calendar is packed with a plethora of festivals and events all year round. Grab the opportunity to celebrate with the locals and experience the rich diversity of this vibrant city-state first-hand — you might even develop lasting friendships in the process! Be sure to mark these dates in your calendar!



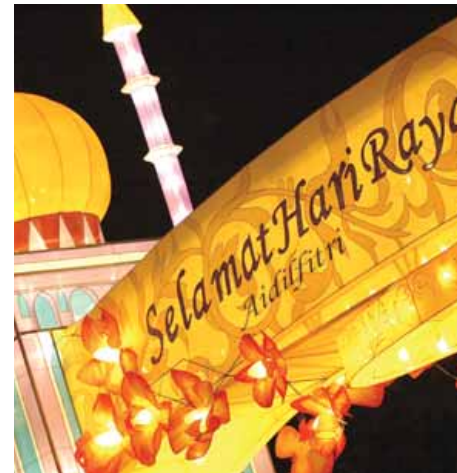
JAN - MAR

- Chinese New Year
- River Hongbao
- Mosaic Music Festival
- Chingay Parade
- Thaipusam
- iLight @ Marina Bay



APR - JUN

- Fashion Steps Out @ Orchard
- Asia Fashion Exchange
- Great Singapore Sale
- Dragon Boat Festival
- Vesak Day
- World Gourmet Summit
- Singapore International Festival of Arts



JUL - SEP

- Singapore Food Festival
- Singapore Night Festival
- National Day
- Hungry Ghost Festival
- Hari Raya Puasa
- Mid-Autumn Festival
- Formula 1 Singapore Grand Prix



OCT - DEC

- WTA Finals Singapore
- Deepavali
- Hari Raya Haji
- Christmas in the Tropics
- Standard Chartered Marathon
- ZoukOut
- Marina Bay Singapore Countdown

acquire a global edge



NTU is a microcosm of the world.

Our international reputation and standing has enabled us to attract the best and brightest students, including a growing number of top students in Singapore. We prepare our students for a

globalised world and we do research that will improve the lives of mankind and benefit humanity.

Prof Bertil Andersson

President

NTU Singapore



Through initiatives such as GEM Trailblazer, you can immerse yourself in a unique Asian experience in Singapore, the cultural melting pot of East and West.

Be it study, research or career-enhancing programmes, or even exciting summer programmes, you will find the boost your resume needs.

Prof Lalit Goel

Director

Office of Global Education and Mobility
Student and Academic Services Department
NTU Singapore



Globalisation indices have ranked Singapore among the most globalised economies. Being a cosmopolitan city, located at the heart of Asia – the fastest-growing, most exciting region in the world, Singapore is brimming with diversity. In the new world economy, **top talents whose skills, experience and knowledge transcend borders will be highly sought after by employers.**

Prof Er Meng Hwa

Vice President (International Affairs)

NTU Singapore



choose the trail, set the pace

WHICH PROGRAMME IS RIGHT FOR ME?

SEMESTER STUDY

NTU offers flexible study options in world-class settings clustered in four colleges

- Business
- Engineering
- Sciences
- Humanities, Arts, and Social Sciences, as well as the new
- Lee Kong Chian School of Medicine.

With such diverse and exciting programmes ranging from Sports Science and Management, Environmental Earth Systems Science as well as Food Science and Technology to Philosophy, Public Policy and Global Affairs, you will definitely find one that is right for you!

As an exchange student, you can enrol in any of our full-time study courses for a minimum of one and a maximum of two semesters. Before you make your decision it is important that you confirm that your home university will allow you to transfer credits for subjects studied overseas.

RESEARCH

NTU has a vibrant research culture and has created a name internationally for our work in various fields. In addition, we have joint research collaborations with some of the biggest names in the world such as BMW, Rolls-Royce and Thales.

GEM Trailblazer Research is open to visiting research students for a minimum of three months, with the core focus being on science and technology. You can also consider combining study (of one to two courses) with an element of research.



WORK

GEM Trailblazer Work gives students a once-in-a-lifetime opportunity to experience working in one of the best business environments in the world. Hone your skills in one of the 7,000 MNCs based in Singapore and network with contacts across the rapidly developing region.

SUMMER PROGRAMMES



GEM Trailblazer Summer is tailored to prepare global talents to be future-ready for the Asian century. Choose to:

- Immerse yourself in Chinese Language & Cultural Studies
- Study the dynamics of Asian-style business through Entrepreneurship & Innovation Asia
- Reflect on your Asian journey with Creative Design and Media.
- Pick up critical skillsets to ensure Success in the Globalised Marketplace.

Each academic year comprises Term 1 (mid May to mid June) and Term 2 (mid June to end July).



SEMESTER STUDY

(1 semester or maximum 2 semesters)

At NTU, we recruit leading faculty who have a passion for both research and teaching. They come from diverse backgrounds and offer new perspectives to deliver an education founded on scientific and creative inputs of the highest quality.

COLLEGE OF SCIENCE

Traverse the realm of science as you acquire and integrate knowledge from the fields of mathematics, physics, chemistry, and biology, and practise the creative processes leading to scientific discovery.

COLLEGE OF BUSINESS

Earn your degree from one of the world's top 10 business schools. Nanyang Business School is the first in Singapore to be awarded with both the AACSB (Association to Advance Collegiate Schools of Business) and the EQUIS (European Quality Improvement System) accreditations.

COLLEGE OF ENGINEERING

State-of-the-art facilities and cutting-edge technology come together at one of the world's largest engineering colleges to give you a stimulating learning environment. All our engineering programmes are fully accredited and duly recognised by the Washington Accord.

COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES

Home to a vibrant and creative community, the college also boasts top notch broadcasting, design, and media equipment rivalling the most creative workplaces in the industry to complement your learning.

LEE KONG CHIAN SCHOOL OF MEDICINE

Working in tandem with Imperial College London, the school trains doctors who will put patients at the centre of medical care. Graduates will gain a strong understanding of the scientific basis of medicine, along with interdisciplinary subjects including business management and technology.



LIFE-CHANGING INNOVATIONS

At the heart of our research agenda is our mission to pioneer innovative solutions that address global issues, unlock value and benefit society. Led by researchers of world-standing, our research centres have successfully advanced many life-changing innovations. These world-first inventions include a carbon film disposition technology, artificial heart valves, medical robotics, satellite technologies, mass commercial farming of temperate crops using aeroponics, and the establishment of a world-class MPEG standard.

RESEARCH

(Minimum of 3 months during Summer or Semester 1 or 2)

With a highly-developed and supportive research culture, Singapore provides an ideal ecosystem for aspiring researchers. NTU's Culture of Research Excellence has developed a roadmap to establish research leadership in the region, and invests extensively to foster independent and forward-thinking research that will impact society and contribute to a better future.

MULTIDISCIPLINARY ENVIRONMENT

NTU is a hotbed for research collaborations, bringing together world-leading universities and renowned research institutions.

To encourage broad-based research, the university offers undergraduates the flexibility to work on projects from any discipline. More than 800 projects, in areas of engineering, biological sciences, business and humanities are available.

This multidisciplinary environment also provides a platform for researchers of diverse expertise to come together for exchange, co-work, and expand the boundaries of knowledge.

THRIVING RESEARCH ENVIRONMENT

Home to some of the best laboratories and research centres in the world, NTU is well-placed to meet the aspirations of top researchers. The S\$25 million Research TechnoPlaza (RTP), the university's research nerve centre, is a prime example.

Consistently seeking collaborations with international counterparts and world-class industry leaders, the RTP has succeeded in pioneering landmark innovations and nurturing a new generation of research leaders.

WORK

(At least 12 weeks during Semester 1 or 2)

GEM Trailblazer Work Experience (WEP) offers students a once-in-a-lifetime opportunity to experience working in one of the best business environments in the world, and network with contacts across the rapidly developing region.

To be eligible for WEP, international students must be nominated by their home universities and are required to apply for the Work Holiday Pass (WHP) from the Ministry of Manpower. The WHP is applicable to undergraduates or graduates of universities that are recognised by the governments of Australia, France, Germany, Hong Kong, Japan, New Zealand, Switzerland, United Kingdom and the United States. Examples of these universities include those ranked among the top 200 for overall academic performance in any of the following:

- Quacquarelli Symonds World University Rankings
- Shanghai Jiao Tong University's Academic Ranking of World Universities
- Times Higher Education World University Rankings

If you are thinking of carving your niche in Asia and getting a headstart on your career, GEM Trailblazer Work is a sure way to get your foot in the door.





SUMMER PROGRAMMES

(Term 1: mid May – mid June;

Term 2: mid June – end July)

www.ntu.edu.sg/summerNTU

With more than 20 courses to choose from, you can join some of the brightest minds and talents from around the world in our Summer Programmes (mid May – July) and experience a unique adventure in Singapore, one of Asia's most dynamic hubs.

TRACK 1:

CHINESE LANGUAGE & CULTURAL STUDIES

This track is designed to equip students with basic Chinese language skills and introduce them to China's 5,000-year-old history. It is ideal for beginners with no prior knowledge.

TRACK 2:

ENTREPRENEURSHIP & INNOVATION ASIA

Offered by the Nanyang Technopreneurship Center, this track aims to equip students with fundamental entrepreneurship competencies and business acumen. Students can immerse themselves in interactive learning environments, real-time simulations and learn from business leaders, entrepreneurs and academics.



TRACK 3:

CREATIVE DESIGN AND MEDIA

Through this series on design, poetry, prose and film, students can explore and develop their own voice through creative writing and broaden their global perspectives in design skills through insights into Asian cultures and heritage.

TRACK 4:

SUCCESS IN THE GLOBALISED MARKETPLACE

This diverse range of courses offers participants insights into critical skillsets such as cultural intelligence and leadership skills that are required to succeed in today's corporate world and global marketplace.



living & learning



Photo credit: Lim Chia Hong

LIBRARY SERVICES

www.ntu.edu.sg/library

The seven libraries on campus provide world-class information resources, tools, services and facilities to support your academic needs. Together with the Library's vast digital collection and technology-enriched services, you can have easy access anytime, anywhere.

NTU MEDICAL CENTRE

www.ntu.edu.sg/campuslife/pages/healthcare.aspx

Medical and dental services are available on campus to cater to your health and wellness needs.

24-HOUR CAMPUS SECURITY

Our campus is patrolled round-the-clock by a team of security officers, complemented by CCTV and security access control systems, to ensure the safety and well-being of students living on campus.

FOOD FOR THOUGHT

www.ntu.edu.sg/has/FnB

The many food outlets on campus make it their mission to provide fuel for hungry brains and stomachs. Be sure to try the local fare in any of our food courts dotted around the campus, or dine on international cuisine, including Korean, Japanese, Western and Indian favourites. The many cafés also serve as cosy hangouts to relax with friends.

LIVING ON CAMPUS

www.ntu.edu.sg/campus/accommodation

NTU boasts the largest on-campus student housing in Singapore, with 18 Halls of Residence catering to more than 10,400 local and international students.

sharing & connecting

Finding new friends and interests beyond the classroom are some of the most rewarding aspects of studying abroad. NTU's social and support networks afford you the information, connections and support you need to make your experience here a thoroughly satisfying one.

STUDENT ACTIVITIES

NTU hosts more than 100 student clubs where you can pick up an array of useful life and business skills, and develop valuable networks of friends.

SPORTS AND RECREATION CENTRE

You will find a wealth of sporting activities on campus, at both recreational and competitive levels. World-class indoor and outdoor facilities cater to sports ranging from swimming, tennis, basketball, to street soccer and even martial arts.

IT SERVICES

All NTU students enjoy state-of-the-art IT infrastructure and services, including high-speed wired and wireless access to our campus network, e-learning and online library resources.

STUDENT WELLBEING CENTRE

Some students experience difficulties adapting to university life abroad. The Student Wellbeing Centre has qualified and approachable counsellors to lend a listening ear to your concerns and offer the right kind of help.



INTERNATIONAL STUDENT SUPPORT

The International Student Support at Student Affairs Office (ISS-SAO) hosts more than 8,000 students from over 100 countries. We provide international students with assistance in transition to NTU and broaden understanding and embrace cultural diversity.

MEDICAL INSURANCE

Group Hospitalisation and Surgical Insurance, which covers medical costs incurred during hospitalisation, is compulsory for all international and exchange students. You will be issued with a Letter of Guarantee which you can present on admission to the hospital in lieu of the upfront cash payment normally levied on international students.

real adventures, real stories



Studying on the garden campus feels more like being on vacation. While NTU challenges your mind, Singapore fuels your soul and lets you immerse in every Asian culture within a cosmopolitan and modern atmosphere. What more can one expect from an exchange programme?

Marc Stiller
Technische Universität München
Germany

*Wee Kim Wee School of
Communication and Information*



The highlights of my experience have been the new friendships I have made and the amazing people I have met. I was so fortunate to have the opportunity to train and race with the NTU Swim, Cross-Country and Aquathlon teams. Making friends on the team gave me the opportunity to really experience the culture of Singapore and establish friendships that I hope last a lifetime.

Jacob Eugene Dodge
The United States Naval Academy
School of Computer Engineering

NTU became my home away from home. I made the decision to run on the NTU cross country team because of some of my closest friends. My classes challenged me, but I came to class each day excited to learn. It didn't hurt that my schedule gave me plenty of time to explore Singapore, as well as nearby countries.

Emily Wilson
United States Air Force Academy
*School of Mechanical and Aerospace
Engineering*



It's been so much fun travelling around Singapore, from Orchard Road and Marina Bay to visiting temples, trying different kinds of local food and seeing how well people of different cultures interact harmoniously. Singapore is also a great location to travel from - it's a short flight to Malaysia, Thailand or the Philippines and you can do short weekend trips to experience even more of South East Asia.

Zhai Rong
University of New South Wales
Australia
*School of Electrical and Electronic
Engineering*





My exchange experience has taught me the value of setting priorities that are worthwhile in the long run. I learnt this by observing what people of different cultures spend their time on. Some of them have convinced me that certain directions in life, however good they may look to others, is not a life I want to live whilst others have inspired me to work harder.

Sam Haueter
United States Air Force Academy
School of Civil and Environmental Engineering



Choosing to study abroad was one of the biggest risks I have ever taken, but it has also become the best decision I have ever made. Not only did I have the chance to experience a new culture and way of life, I have also made incredible friendships with people from all around the world. I have been lucky enough to travel with these new friends and created memories that I'll not forget, and I shall always be grateful for this.

Rosie Smith
University of Leeds
United Kingdom
School of Art, Design & Media

Coming from Sweden means there are lots of differences regarding both culture and climate; but by having an open mind, one can really learn to enjoy this new perspective! To be an exchange student is a great way to break out of your comfort zone, meet new people and gain amazing experiences.

Jacob Sundstrom
Royal Institute of Technology
Sweden
School of Mechanical and Aerospace Engineering



For the first time since high school, at NTU, I felt cared for by the professors. Although the small-room tutorials felt a little tedious at times, they helped me to stay on top of things and re-learn time management skills. The experience of being uncomfortable in the beginning, to completely adapting to the Singaporean culture (and weather!) was a learning experience in itself, and I wouldn't change my time here for the world!

Arianne Handelman
McGill University
Canada
School of Humanities and Social Sciences



breaking boundaries

THE DUO-SINGAPORE EXCHANGE FELLOWSHIP AWARD FOR EUROPE

Funded by the Singapore government, this scholarship lets you experience life in the lion city, make new friends and build networks for the future.

To be eligible, you must be a student in a European ASEM (Asia-Europe Meeting) country studying in a Singapore partnership university. You will receive up to €4,000 for one semester of up to four months, and the amount includes airfare, accommodation and living expenses. There is no bond attached to this award which is funded by the Singapore Government.

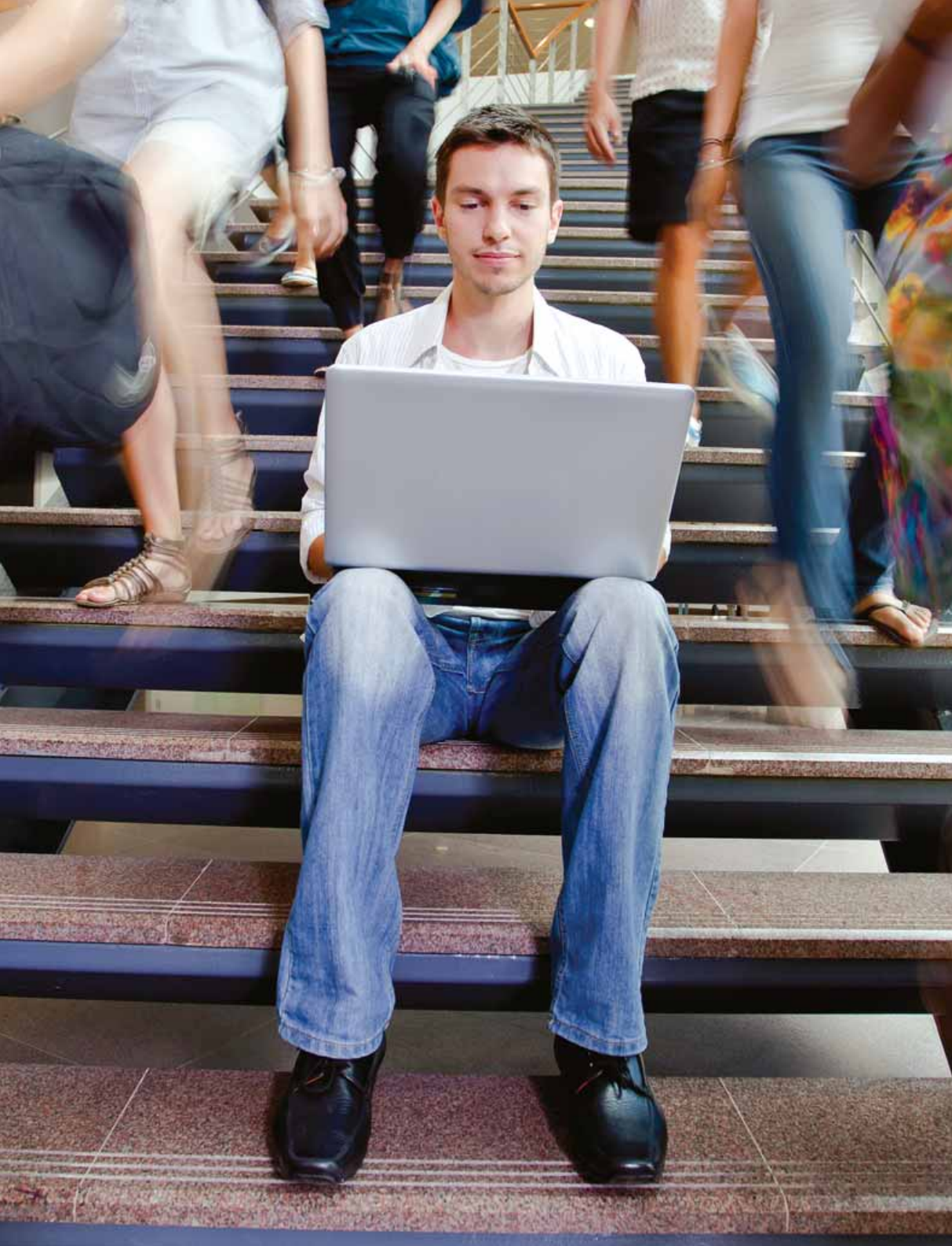
www.ntu.edu.sg/GEM-TrailblazerExchange

TEMASEK FOUNDATION LEADERSHIP ENRICHMENT AND REGIONAL NETWORKING PROGRAMME @ NTU (TF LEaRN @ NTU)

This programme provides an experiential learning opportunity for future leaders of Asia. You will be offered a holistic educational experience involving course curriculum, community service learning, cultural exchange activities and host family experience.

About 55 Asian undergraduate students from selected institutions will be offered a chance to study at NTU with tuition and living expense covered.

www.ntu.edu.sg/tflearn



apply today

To get connected, simply

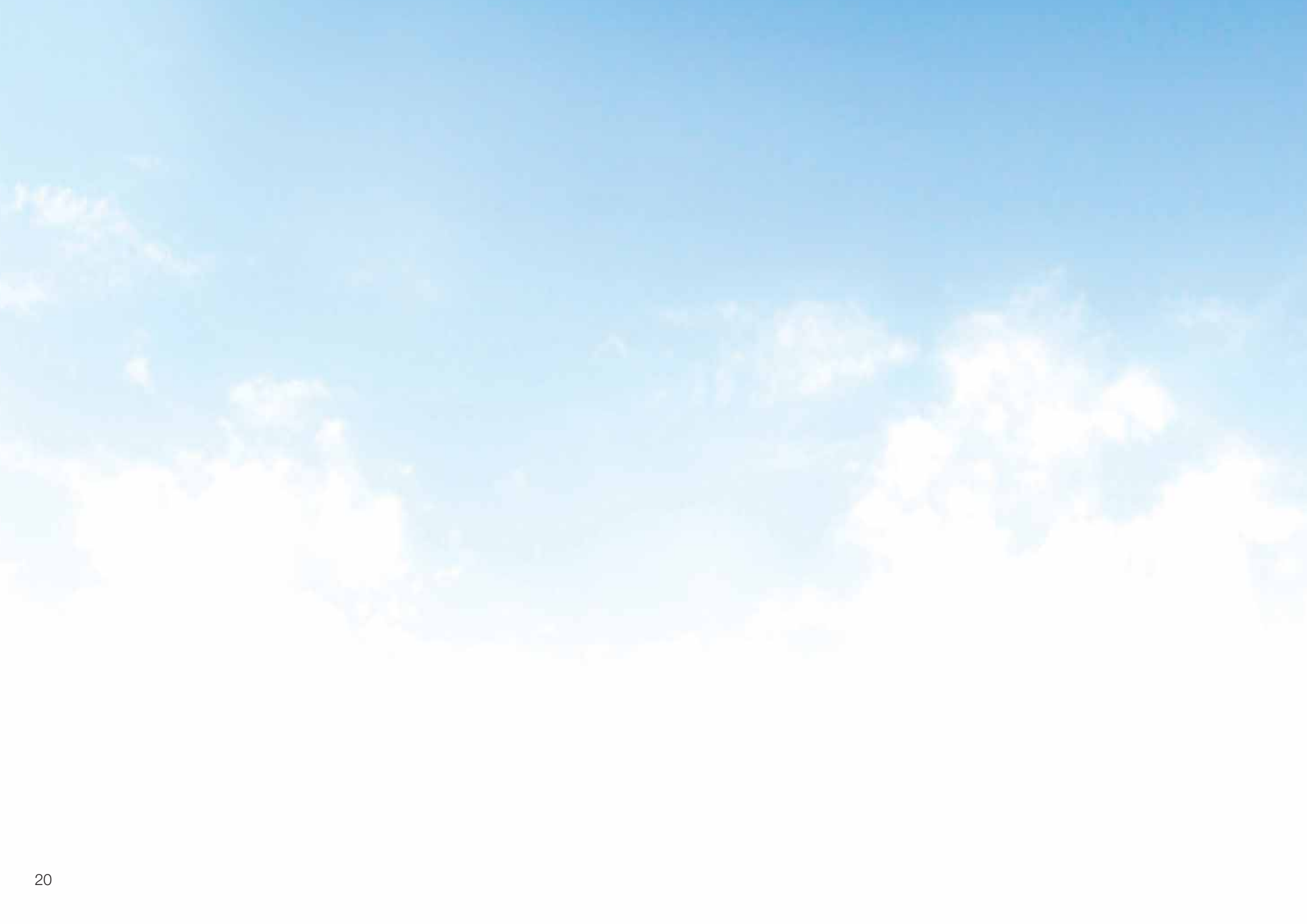
w www.ntu.edu.sg/GEM-Trailblazer

e GEM-Trailblazer@ntu.edu.sg

f www.facebook.com/NTUGEMTrailblazer

APPLICATION DEADLINES

| | | |
|---------------|---------------------|----------|
| Semester 1 | (Fall, Aug – Dec) | : 30 Mar |
| Semester 2 | (Spring, Jan – May) | : 30 Sep |
| Summer Term 1 | (mid May – mid Jun) | : 7 Mar |
| Summer Term 2 | (mid Jun – end Jul) | : 15 Apr |





Nanyang Technological University
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Student and Academic Services Department
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