MAKE A SMART CHOICE FOR YOUR FUTURE.

2019/20 UNDERGRADUATE PROSPECTUS

NTU: SMART CAMPUS, SMARTER THINKING
Welcome to Nanyang Technological University (NTU). My NTU Colleagues and I are delighted that you are considering furthering your studies here.

NTU is a leading university which is now recognised globally for its impactful research, education, innovation and creativity. Our modern and eco-friendly Smart Campus, consistently placed NTU as one of the top universities in the world, is home to many highly talented students, scholars, researchers, and faculty. Our work is contributing significantly to education, scientific discoveries and industry.

Our passion for learning, knowledge creation, and societal impact has attracted more than 180 companies, including a number of leading global industry partners, to work here on our campus with our top students, faculty and staff. Our work is contributing significantly to education, scientific discoveries and industry.

Many independent international entities have placed NTU as one of the top universities in areas of learning and research that will shape the course of 21st Century and the human condition in Singapore, the region and the world. More than 230,000 alumni of NTU, working in Singapore and in more than 150 countries around the world, are contributing to the betterment of society. It is, therefore, not surprising that NTU has been the world’s top young university for five consecutive years, and is ranked 12th globally in the QS 2018 World University Rankings.

You will be part of our vibrant community of like-minded students, world-class facilities and global networks that will challenge, inspire and support you, and shape your future. Our strength lies in preparing our students for the working world as well as in instilling passion for life-long learning and contributions to society. In fact, our graduates are highly sought-after by employers in different sectors, with many students receiving multiple offers before graduation. On top of developing knowledge, we are placing special emphasis on helping you to develop such multidisciplinary and personal skills as teamwork, communication, intercultural engagement, leadership, adapting to the digital world, and analytical thinking, so that you can rise to the challenges of an increasingly diverse, technology-enabled and globalised world.

We encourage you to tap into our network of top overseas universities and industry partners. With our goal of eight in 10 of our undergraduates going overseas at least once during their NTU studies, you could find yourself spending a semester at a university abroad. You also have an opportunity to learn through an internship with our industry partners such as Alibaba, HP and Rolls-Royce and through interactions with our accomplished alumni, right here on the NTU Singapore campus.

You are entering NTU at a very good time. Experiment with new technologies on the Smart Campus, enhance your digital literacy or take up an innovative undergraduate degree programme in Data Science and Artificial Intelligence. Join your fellow students in extra-curricular activities such as athletics, the arts, service projects, and a wide array of programmes at Residence Halls for learning, making and creating, through health and wellness initiatives, as well as at fun events on and off campus.

At NTU you can create and make use of opportunities to develop your passion, talent and skills to unlock your fullest potential. I look forward to welcoming you to NTU.
TOP 10 REASONS TO CHOOSE NTU

QS WORLD UNIVERSITY RANKINGS
- 12th in the world
- 1st among the world’s best young universities (2014-2018)

GOOD CAREER PROSPECTS
9 in 10 graduates get a job within four months of graduation

EXPOSURE TO DIVERSE DISCIPLINES AND INTERDISCIPLINARY PROGRAMMES
Premier Scholars Programmes and direct Honours programmes for you to design your own curriculum

TOP 15
Most beautiful campus in the world

GUARANTEED HALL ACCOMMODATION
Residential living for students in their first two years

GLOBAL EXPOSURE
8 in 10 undergraduates have an overseas opportunity

TOP PARTNERS
Research and internship opportunities with the likes of HP and Rolls-Royce

SMART CAMPUS
Innovative learning pedagogies in smart classrooms

VIBRANT CAMPUS AND STUDENT LIFE
Develop new skills, discover new interests and make new friends through the 120 student clubs and societies

PRESTIGIOUS SCHOLARSHIPS AND COMPREHENSIVE FINANCIAL AID
Scholarships and financial aid are readily available to meet your needs
Welcome to NTU, where learning goes beyond the formal classroom curriculum. In our beautiful and welcoming mini-city, students can learn, live, play, build lifelong memories and more. You can expect:

• close to 120 student organisations to choose from;
• guaranteed Hall residency for freshmen;
• residential education programmes that will provide you with diverse experiential learning opportunities;
• numerous sports and recreation facilities;
• opportunities to improve the lives of others through community engagement projects;
• a specially-designed orientation programme to help you transition smoothly into university life;
• and more!

CLUBS AND COMMUNITIES
At NTU, you’ll work hard… and you can play hard too. With close to 120 student organisations to choose from, you’re sure to find activities and events you like. Interested in volunteering, sports, performing arts, photography, astronomy, joining the Students’ Union, or more? We’ve got something for you.

COMMUNITY ENGAGEMENT
At NTU, you’ll have opportunities to make a difference. Take part in outreach activities such as:

• weekly volunteer programmes that serve the young, elderly, underprivileged and persons with special needs in areas such as the arts, education, environment and sports across Singapore;
• collaborative overseas community projects in the ASEAN region and beyond;
• Volunteer 360 Experience (V360) that provides opportunities to explore Singapore’s hidden communities;
• #THEFORGOODSESSIONS, a curated programme designed to engage and inspire students to make a difference in the community (themes include Business For Good, Communicate For Good, Design For Good and Tech For Good);
• internships at non-profit organisations and social enterprises, supported by the Social Impact Internship Stipend and;
• social entrepreneurship ventures:
  - student-led CO-OP Café and Merchandise Shop @ The Hive; and
  - CoLab4Good Fund for Social Enterprises to support sustainable business ideas that create positive social impact.

Find out more at https://www.ntu.edu.sg/sasd/communityengagement.
SPORTS & RECREATION
With our wide variety of sporting facilities, you can get competitive, play for leisure, pick up a new sport or simply keep up your fitness.

Indoor
• Multipurpose sports halls
• Fitness gyms
• Activity rooms
• Teaching rooms

Outdoor
• Stadium with artificial turf and running track
• Multipurpose fields (artificial turf)
• Multipurpose courts
• Basketball courts
• Street soccer court
• Tennis courts
• Squash courts
• Archery range
• Cricket cages

Aquatic Facilities
• Swimming pool
• Children’s wading pool

TRANSITION AND ORIENTATION PROGRAMME (TOP)
TOP is where you can get a head start on making your university life the best it can be.

As a freshman, you will be invited to join in TOP activities, where you can make new friends, connect with faculty and staff, and pick up tips on how to adapt to your new environment. Our friendly peer helpers and student counsellors at the University Wellbeing Centre are always here to lend a hand whenever you need support.

THE NORTH SPINE PLAZA
One of NTU’s most popular hangout spaces, here’s where students can satiate their tastebuds, indulge in retail therapy, access banking or postal services, groom their hair, seek travel advice for overseas attachments, find printing, photocopying and laminating services, and more.

Recreation activities are aplenty here. You can enjoy free weekly movies at the indoor theatre nearby or watch weekly performances by our talented students and staff during lunchtime. Other highlights include roadshows at Canopy Stage and the Marketplace.

CHILL-OUT SPACES
Some of the best places to relax after long lectures or intense project discussions:

Student Activities Centre
• Engage in project discussions in the study zone and meeting rooms.
• Chill out with a game of snooker or table tennis.

Global Lounge
• Catch up on current affairs and the latest programmes on TV screens and individual systems for visual entertainment.
MAKE THE WORLD YOUR CLASSROOM @ NTU

Seize the chance to acquire cross-cultural experiences at some of the world’s best institutions! The Office of Global Education and Mobility (OGEM) provides opportunities for over 4,000 students to go overseas for study and research. As an NTU student, you can tap our vast network of over 320 partner institutions spanning about 40 countries around the world.

OGEM offers two student mobility programmes – the GEM DISCOVERER for shorter-term overseas immersion, and GEM EXPLORER for a longer global experience.

GEM DISCOVERER

This is a two- to six-week programme that takes advantage of semester breaks. Students will earn academic units upon successful completion.

Language Immersion Programme
Students keen on learning a new language can take part in a two to three-week language programme in overseas institutions endorsed by NTU’s Centre for Modern Languages (CML). You can continue to advance your language skills upon returning to NTU.

Prelude
This two-week programme provides first-hand insights into emerging markets in ASEAN. Expect visits to significant cultural sites and exciting destinations like Vietnam, Thailand and Turkey.

Winter/Summer Studies
Choose from a pre-qualified list of institutions that offer a wider range of courses during winter or summer for credit transfers. You could be studying at some of the world’s most prestigious universities such as the University of California (Berkeley), University of Birmingham and Yonsei University, to name a few.

For more information, visit www.ntu.edu.sg/GEM-Discoverer.

GEM EXPLORER

Like the idea of a longer global experience? This one’s for you. For one semester, pursue studies or conduct research in an overseas partner university. You will get to experience a different learning environment and exchange ideas with overseas students in the research topic of your interest. Besides becoming more independent and self-reliant, you can look forward to:

• transferring academic credits to NTU;
• building up your cross-cultural competency; and
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For more information, visit www.ntu.edu.sg/GEM-Explorer.
NTU is committed to supporting your wellbeing as you navigate university life with us. Here are some services and resources you will enjoy as an NTU student.

**ADMINISTRATIVE SUPPORT**
- One Stop @ SAC for matters that require your personal attention
- Online services, cheque and document drop boxes for your convenience 24/7
- SMS alert system so you can run errands while you wait for your turn
- Caring and friendly support staff to handle and manage your important concerns

**Counter Operating Hours**
- Monday to Thursday 0830 – 1700 hrs
- Friday 0830 – 1645 hrs
- Eve of major PH 0830 – 1200 hrs
- Sat, Sun and PH Closed

Visit [https://ossac.wis.ntu.edu.sg](https://ossac.wis.ntu.edu.sg) to find out more.

**HEALTH AND WELLNESS**
At NTU, we believe in the importance of enriching minds while enhancing health. Our one-stop health services centre comprises a medical clinic, dental clinic and a well-being centre. The centre is easily accessible on foot and by campus shuttle bus.

**RESIDENTIAL EDUCATION (RE)**
As a student living on campus, you can interact closely with students from around the world with different interests and passions. NTU’s tradition of residential life is over three decades old. We started RE in 2014, offering students a dynamic and enriching experience called RE@NTU through a host of programmes and workshops. Today, our vibrant campus residential ecosystem is brimming with activities hosted by the halls of residence and available to all hall residents.

For more information, please visit [http://www.ntu.edu.sg/re](http://www.ntu.edu.sg/re).

**HALL LIFE @ NTU**
NTU provides accommodation for both undergraduate and graduate students across our 26 Halls of Residence. Our Halls are more than just places to live – they are where residents learn, grow and socialise. At this home away from home, you can:
- build camaraderie and develop a sense of belonging with hall living;
- immerse in a multicultural and diverse environment;
- utilise facilities such as the gym, music room and more;
- participate in exciting year-round Hall activities;
- and more!

We have a variety of accommodations available – single rooms with attached bathrooms, plus-sized single rooms, standard single rooms and twin-sharing rooms. Students can submit their preference for air-conditioned or non-air-conditioned rooms.

For more information, please visit [https://www.ntu.edu.sg/has/Undergraduate/HallofResidence/Pages/Halls.aspx](https://www.ntu.edu.sg/has/Undergraduate/HallofResidence/Pages/Halls.aspx).

**STUDENT SUPPORT @ NTU**
Dental services are available at the one-stop health services centre

**HALL LIFE @ NTU**
- Living street between Meranti Hall and Tamarind Hall
- Reading Room at Meranti Hall
- Gym at Tamarind Hall

**STUDENT SUPPORT @ NTU**
- Dental services are available at the one-stop health services centre
IT SERVICES

NTU provides a suite of IT services that help to enhance connectivity, communication, collaboration and learning for students.

The services include:

- **eduroam**
  - Using the NTU network accounts, NTU students are able to access Wi-Fi when visiting other institutes of higher learning that offer eduroam.

- **Email**
  - All students are given NTU email accounts with collaborative storage space.

- **High Performance Computing**
  - Students are able to access high-performance computing facilities in NTU.

- **INTU**
  - Students can use this one-stop gateway to connect with the NTU’s community, e-resources and e-services.

- **NTULearn**
  - Through this learning ecosystem, students can immerse in more engaging learning both within and beyond the classroom. NTU has adopted Technology-Enhanced Learning (TEL) that leverages technology with sound pedagogy in course transformation. The TEL courses cover learning activities, video lessons, assessments/quizzes and assignments to help students to achieve the desired learning outcomes. To facilitate and encourage students’ active participation in lectures or large group presentations/discussions, an interactive learner response system has been adopted via mobile app.

ACCESSIBLE EDUCATION UNIT (AEU)

NTU believes in building an inclusive campus. Students with special needs may contact the AEU under the Student Affairs Office to understand the support services available to them. Services may include the following:

- Special Education Needs (SEN) Funds
- Transition support
- Advice and loan of assistive technology devices
- Access to facilities
- Tests and examination support
- Special hostel arrangement
- Academic and non-academic counselling
- Industrial attachment & internship
- Career counselling

Find out more at www.ntu.edu.sg/library.

LIBRARIES

Access a wealth of e-resources from anywhere using your NTU network account or drop by the various campus libraries to use the facilities and services.

At our libraries, you can find:
- assigned class reading and e-textbooks;
- information resources for your essays, projects and research;
- PC stations with single and multi-screen monitors options for your work;
- study spaces for individual study or collaborative workspaces for group discussions;
- resources to expand your interests; and
- exhibition spaces to share and showcase your work.

NTU Libraries
- Lee Wee Nam Library
- Art, Design & Media Library
- Business Library
- Chinese Library
- Communication & Information Library
- Humanities & Social Sciences Library
- Library Outpost

Other Libraries
- Lee Kong Chian School of Medicine Library (Novena Campus)
- National Institute of Education Library
- S. Rajaratnam School of International Studies Library
- Wang Gungwu Library

Resources & Services Highlights
- Instant online access to digital resources such as e-books and journal articles
- Advisory and consultation services from librarians
- Instructional services to help evaluate and use information
- Events and exhibitions to showcase projects

Find out more at www.ntu.edu.sg/library.
TAKE YOUR POTENTIAL TO THE NEXT LEVEL @ NTU

NANYANG TECHNOLOGICAL UNIVERSITY—UNIVERSITY SCHOLARS PROGRAMME (NTU-USP)

This vibrant and unique liberal arts programme is specially designed to offer outstanding students global learning opportunities that complement their core areas of study. Students are exposed to the practice of independent inquiry and immersive cultural experiences, as they undertake interdisciplinary courses across the sciences, engineering, humanities and social sciences.

As an NTU-USP student, you will:
• receive a scholarship that includes full tuition fees and at least two funded overseas study opportunities;
• broaden your global perspective and enhance your creative thinking, critical reflection and analytical abilities;
• spend a semester at one of our partner universities – the University of Pennsylvania, Bryn Mawr College, Australian National University, King's College London and University of Edinburgh;
• participate in the Travel Overseas Programme for Scholars (TOPS), a Fieldwork and Documentation course to investigate multidisciplinary and topical issues in a regional country. You will learn more about managing and conducting fieldwork including visual documentation and informing narratives about issues in the host country;
• and more.

For more information, please refer to www.ntu.edu.sg/USP.

RENAISSANCE ENGINEERING PROGRAMME (REP)

REP aims to groom engineering leaders with entrepreneurial spirit into changemakers who are poised to take on the world. Our integrated and fully-residential programme covers a broad spectrum of multidisciplinary subjects bridging engineering, business and humanities. This four-and-a-half-year dual-degree programme comprises Bachelor of Engineering Science (with specialisation in a chosen engineering discipline), awarded by College of Engineering; and Master of Science in Technology Management, awarded by Nanyang Business School.

Year 3 students can spend their entire third year overseas at any of our four partner universities – University of California, Berkeley, USA; Imperial College London; Northwestern University, Evanston, USA; and the University of British Columbia, Vancouver, Canada. Students will also get a taste of working in the real world through a mandatory 10 to 12-week Professional Attachment in the United States or Europe.

For more information, please refer to www.ntu.edu.sg/REP.

NTU nurtures students to be intellectuals, scholars, thinkers and humanitarians through a well-rounded education that empowers them to learn both in and beyond the classroom. Promising students can look forward to enriching their education with one of NTU’s four Premier Scholars Programmes (PSP).
CN YANG SCHOLARS PROGRAMME (CNYS PROGRAMME (CNYSP))
The CNYSP nurtures future leaders at the interface of science and engineering, with a focus on technological innovation and scientific communication. Empowered by a strong science and engineering training, the multidisciplinary courses in mathematics, research, making-and-tinkering, internship and global learning prepare students to lead in the next phase of technological evolution. Scholars will embark on this unique journey which truly embrace the spirits of innovation, persistence and social capital, allowing them to make impact in a diverse range of careers they wish to embark in the future.

For more information, please refer to www.ntu.edu.sg/cnyang-scholars.

NTU-NIE TEACHING SCHOLARS PROGRAMME (TSP)
TSP offers unique opportunities for outstanding scholars with a passion and calling to be professional leaders in education. This four-year programme aims to produce graduates with intellectual rigour, strong leadership skills and relevant global perspectives, to make significant contributions to education.

The TSP incorporates a forward-looking and multidisciplinary curriculum that builds on the Bachelor of Arts (Education) / Bachelor of Science (Education) programme. Students benefit from a carefully-designed curriculum with a focus on content mastery, pedagogical knowledge and the theory-practice nexus, to prepare them for a profession in education. The programme is also characterised by an emphasis on breadth through a wide selection of electives, internship with local partners, seminars by distinguished professors, government leaders and industry luminaries, as well as personal guidance by top-notch faculty members. There is also a strong focus on inquiry, exposing scholars to both education and research.

As a TSP student, you can:
- participate in leadership and overseas learning programmes such as international practicum stints and semester exchanges (e.g., to Finland, Sweden, South Korea, Hong Kong, USA, UK, Switzerland);
- enjoy the flexibility of taking a minor programme of your interest from NIE or other NTU Schools;
- get a head start on pursuing a Masters’ degree by taking Master level courses from your third year of study onwards;
- and more.

For more information, please refer to http://tsp.nie.edu.sg.
OTHER PROGRAMMES

UNDERGRADUATE RESEARCH EXPERIENCE ON CAMPUS (URECA)

URECA is a university-wide, by-invite-only undergraduate research programme for academically-outstanding second-, third- and fourth-year undergraduates. This 11-month programme prepares undergraduates for postgraduate research studies by providing a foundation and faculty mentorship in research methodologies in their chosen fields.

URECA students will learn to apply knowledge beyond textbooks and the classroom, develop a deeper understanding of research topics they are studying, handle open-ended research challenges and acquire the research skills necessary in their field of study and future career in research in NTU or beyond.

As a URECA student, you will gain research experience through:
• attending workshop training to develop skills and knowledge in research;
• participating in the annual Discover URECA@NTU Poster Exhibition and Poster Competition;
• coordinating or presenting research projects in the annual student-led Global, Virtual, Live & Interactive Conference, also known as International Conference of Undergraduate Research (ICUR-URECA);
• presenting papers at local and international organised conferences;
• publishing research papers in archived journals;
• and more.

Upon successful completion, URECA students are awarded academic credits to fulfil unrestricted electives, which is part of the NTU General Education Requirement curriculum. High-achieving URECA students are awarded the URECA Undergraduate Research Excellence Awards with the coveted title of NTU President Research Scholar (NTU PRS).

For more information, please refer to www.ntu.edu.sg/ureca.

MINOR PROGRAMMES

Minor programmes equip students with multiple skills and broader knowledge, beyond what their major disciplines may provide.

NTU Singapore has 40 minor programmes to offer. For more information, visit www.ntu.edu.sg/Students/Undergraduate/AcademicServices/AcademicProgrammes/Pages/Minor_Programme.aspx.

LIST OF MINOR PROGRAMMES

- Applied Physics
- Art History
- Business
- Chemistry and Biological Chemistry
- Chinese
- Chinese Creative Writing
- Communication Studies
- Computing and Data Analysis
- Creative Writing
- Drama and Performance
- Early Childhood Education
- Economics
- Education Studies
- English Language
- English Literature
- Entrepreneurship
- Environmental Management
- Environmental Sustainability
- Film Studies
- Finance
- Geography and Urban Planning
- Global Asia
- History
- International Trading
- Life Sciences
- Linguistics and Multilingual Studies
- Mathematics
- Music
- Philosophy
- Physics
- Psychology
- Public Policy and Global Affairs
- Risk Management and Insurance
- Science, Technology and Society
- Sociology
- Special Needs Education
- Sport Science
- Strategic Communication
- Systems Management
- Translation

Tan Jia Chi
Biological Sciences with a 2nd Major in Biomedical Structural Biology. Year 3
URECA
Maximise your promise and opportunities with an NTU Scholarship. Outstanding students who wish to make the best of their university education should apply for the various scholarships offered by NTU.

The Renaissance Engineering Programme (REP) Scholarship, NTU-University Scholars Programme (NTU-USP) Scholarship and Nanyang Scholarship (CN Yang Scholars Programme) are some of the more prestigious scholarships in NTU. These scholarships provide students with generous financial coverage and exclusive non-financial benefits such as participation in the Eminent Speakers Series, guaranteed accommodation at NTU and placements in overseas programmes during their undergraduate years. Such opportunities give our scholars an edge as they work towards becoming game-changers in school, at work and in the community.

FULL-TERM SCHOLARSHIPS
- Renaissance Engineering Programme (REP) Scholarship
- NTU-University Scholars Programme (NTU-USP) Scholarship
- Nanyang Scholarship (CN Yang Scholars Programme)
- Nanyang Scholarship
- College Scholarship
- E. W. Barker Scholarship
- Humanities, Arts, and Social Sciences Scholarship
- LKCMedicine Scholarship
- LKY-STEP Award
- Toh Kian Chui Scholarship
- University Engineering Scholarship
- Wee Cho Yaw Future Leaders Award
- Wee Kim Wee Legacy Fund Undergraduate Scholarship
- ASEAN Undergraduate Scholarship
- NTU Science & Engineering Undergraduate Scholarship

For more information on Scholarships, please visit: https://admissions.ntu.edu.sg/UndergraduateAdmissions/pages/scholarships.aspx.

See how NTU scholarships have made a difference for some of our students.
At CoE, we go beyond nurturing our students’ technical competencies; we also strive to equip them with essential soft skills such as communication, analytical and entrepreneurial capabilities to tackle challenges of the 21st century. Students are encouraged to pursue interests beyond engineering. Our multidisciplinary curriculum integrates engineering with the arts, humanities, business and social sciences. To further prepare students for the future and enhance their digital literacy, we have introduced modules on Computational Thinking and Data Science and Artificial Intelligence.

We believe in giving students a head start in the professional world through real-world exposure. Our strong relationships with industry partners have enabled us to offer robust Global Immersion programmes for students to expand their horizons, enhance their learning and build new networks to enrich their future.

Engineer your future at CoE:

Our 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

Note: All Bachelor of Engineering programmes are accredited by the Institution of Engineers Singapore, the Singapore arm of the Washington Accord, through its Engineering Accreditation Board. The Washington Accord is an international agreement for mutual recognition of the substantial equivalence of engineering academic programmes in satisfying the academic requirements for the practice of engineering at the professional level.

Find out more about life in CoE:

Ranked 1st in Asia and 5th globally in the QS 2018 World University Rankings in Engineering & Technology, the College of Engineering (CoE) comprises six internationally-renowned engineering schools. With world-class facilities and an established infrastructure for learning and research, students can choose from 11 single degree Bachelor of Engineering programmes and three single degree Bachelor of Science programmes. Those seeking more knowledge can read a double degree, second major, or a minor.

The School of Chemical and Biomedical Engineering (SCBE) is where engineering meets life and chemical sciences. We aim to nurture and empower a new generation of engineers through rigorous, industry-focused curricula that integrate the principles of engineering with the fundamentals of life and chemical sciences. Students can choose from two direct honours, accredited degree programmes in Chemical and Biomolecular Engineering (CBE) and Bioengineering (BIE).

The CBE programme aims to produce a new generation of graduates with engineering knowledge to excel in traditional chemical, petrochemical and pharmaceutical industries, as well as other emerging fields. BIE graduates will be ready to address some of the world’s most critical areas of need, from process intensification to energy efficiency improvements, low carbon and zero-emission technologies, carbon-cycle management and access to water.

The BIE programme blends engineering and biomedical sciences with recent progress in modern biology. We continually update our industry knowledge so our students can learn about the latest technological advances in information technology, electronics, communications and materials. Students will graduate with excellent capabilities to develop new engineering approaches and tools for advanced biomedical applications such as medical imaging, instrumentation, electronics and tissue engineering for the healthcare industry.

**WHY CHOOSE SCBE?**

- A Headstart on Your Dream Career
  - Learn to solve real-world multidisciplinary issues, and open up multiple career paths in the areas of manufacturing, research and development, management and more.
- A Curriculum that Blends Engineering and Business
  - Fast-track your career in the chemical engineering or bioengineering industries with the entrepreneur skills we will equip you with.
- A Multi-dimensional Learning Experience
  - Hone your creativity and leadership skills in our stimulating and dynamic environment specially tailored for you with the support of industry and our Career Attachment Office.

**CAREER PROSPECTS**

CBE graduates are in high demand in industries such as:
- Energy & Chemicals
- Pharmaceuticals
- Food Manufacturing
- Semiconductor

BIE graduates can find opportunities in industries such as:
- Medical Technology
- Biomedical Instrumentation
- Biotechnology
- Healthcare
PROGRAMMES OFFERED

CIVIL ENGINEERING
- Bachelor of Engineering in Civil Engineering
- Bachelor of Engineering in Civil Engineering with a Second Major in Business
- Bachelor of Engineering in Civil Engineering with a Second Major in Society and Urban Systems
- Bachelor of Engineering in Civil Engineering with a Second Major in International Trading* 
- Bachelor of Engineering in Civil Engineering (International Trading) and Bachelor of Arts (Economics)

ENVIRONMENTAL ENGINEERING
- Bachelor of Engineering in Environmental Engineering
- Bachelor of Engineering in Environmental Engineering with a Second Major in Business
- Bachelor of Engineering in Environmental Engineering with a Second Major in Society and Urban Systems
- Bachelor of Engineering in Environmental Engineering (International Trading)*
- Bachelor of Engineering in Environmental Engineering (International Trading) and Bachelor of Arts (Economics)

MARITIME STUDIES
- Bachelor of Science in Maritime Studies
- Bachelor of Science in Maritime Studies with Specialisation in International Trading* 
- Bachelor of Science in Maritime Studies with a Second Major in Business
- Bachelor of Science in Maritime Studies with a Second Major in Business (International Trading)*
- Bachelor of Science in Maritime Studies (International Trading)*

CAREER PROSPECTS

Civil Engineering graduates can find opportunities in industries such as:
- Transportation and Infrastructure Planning
- Construction and Project Management
- Geotechnical Engineering
- Environmental Engineering
- Land Development and Improvement

Environmental Engineering graduates are in high demand in fields such as:
- Water Resources Engineering
- Environmental Technologies Development
- Water and Wastewater Management
- Membrane and Desalination Technologies

Maritime Studies graduates can pursue shore-based careers in areas such as:
- Shipping and Port Management
- Chartering and Freight Operations
- Post-Fixture Shipping Operations
- Logistics and Transport
- Trade/Pricing/Brokerage

WHY CHOOSE CEE?

Civil and Environmental Engineering students will be in good stead to help build safe, innovative and sustainable urban environments to meet the demands of a rapidly evolving world.

As for Maritime Studies students, they can take advantage of the unique possibilities in the maritime industry. Armed with business management skills at both the local and international levels, graduates will set sail on journeys towards promising careers on and beyond our shores.

WHY CHOOSE SCSE?

- Civil Engineering: Almost 100% Employment Rate within 6 months
- Environmental Engineering: One of the Most Versatile ENE Programmes in the World
- Maritime Studies: Exciting Overseas Learning Opportunities

Programme covers the areas of sustainable environment, water, and offers specialisation in urban infrastructures.

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In recent years, the School of Computer Science and Engineering (SCSE) has consistently produced top-earning graduates based on the Graduate Employment Surveys (GES) by the Ministry of Education). One of the first in Singapore to offer degrees in Computer Engineering and Computer Science, we now boast a growing list of graduates who are successful entrepreneurs and leaders in prestigious multinational industries.

The School offers direct honours degree programmes with a distinct blend of theory and practice, critical hands-on experience, project-based learning and professional internships. Our programmes provide a firm and broad-based education, with provision for specialisation in the final year of study.

Our industry-ready graduates are equipped with a strong foundation in the disciplines of computer engineering and computer science. As a result, they are well prepared to use their skills to harness technology and continually work towards making breakthroughs that enable people to communicate more seamlessly, manage their environments more effectively and lead more comfortable lives.

No matter which industry they are in, graduates of SCSE are able to provide innovative solutions.

WHY CHOOSE SCSE?

- Global Employability
- Receive qualifications that are widely recognised across the globe.
- New Age Technopreneurs, Engineers and Scientists
- Whether you wish to test your creative mettle in digital transformation, amplify your business acumen or make a difference through R&D, here’s where you can explore possibilities.
- Highest Starting Pay Amongst NTU’s Graduates
- SCSE graduates have been ranked as NTU’s top earners since 2010*.

CAREER PROSPECTS

SCSE graduates will be able to successfully pursue their careers in industries such as:
- Artificial Intelligence
- Cyber Security
- Data Science & Analytics
- Digital Media & Animation
- Enterprise Network Management

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The School of Electrical and Electronic Engineering (EEE) began as one of the three founding schools of NTU when the University was known as Nanyang Technological Institute. Today, EEE continues to be the largest School in CoE and within the NTU campus.

WHY CHOOSE EEE?

• Extensive Resources that Fuel Learning
EEE works closely with diverse industry partners – Rolls Royce, ST Engineering-NTU, SMRT-NTU, Delta-NTU – to provide opportunities for students to work with the companies’ labs for DIPs, FYPs or research work.

• Vibrant Student Life
Our student bodies – EEE Club, EEE Outreach, Garage@EEE and EEE Lead – will enable you to further explore your interests and discover new ones with like-minded peers.

• An Exclusive Space to Make Your Ideas Come to Life
As a EEE student, you will have access to Garage@EEE, an innovative space where you can pitch your ideas and explore technopreneurship.

CAREER PROSPECTS
EEE graduates are highly sought-after in the fields of:

• Electrical Engineering
• Electronics Engineering
• Embedded Systems Engineering
• Industrial and Production Engineering
• Industrial Machinery & Tools Engineering
• Technical Sales Engineer

Graduates can also look forward to jobs beyond engineering, such as:

• Information Technology Project Manager
• Information Technology Security Specialist
• Business Development Manager
• Management Consultant
• Project Manager
• Singapore Armed Forces Personnel
• Software, Web & Multimedia Developer

PROGRAMMES OFFERED

• Bachelor of Engineering in Electrical and Electronic Engineering (EEE)
• Bachelor of Engineering in Information Engineering and Media (IEM)
• Double Degree in Bachelor of Engineering (EEE/IEM) and Bachelor of Arts (Economics)
• Bachelor of Engineering (EEE/IEM) with a Second Major in Business
• Bachelor of Engineering (EEE/IEM) with a Second Major in Society and Urban Systems

SCHOOL OF
MATERIALS SCIENCE
AND ENGINEERING

www.mse.ntu.edu.sg

One of the largest materials science and engineering schools in the world, the School of Materials Science and Engineering (MSE) today has evolved into a hub of excellence of education and research. We are backed by an international team of world-class faculty members who ceaselessly equip our students with the latest scientific and technological skills needed to support the industry. At MSE, our science-driven and application-oriented education prepares students for today’s industry and the future economy.

RANKINGS

• 1st in U.S. News Best Global Universities Ranking 2019 for Materials Science
• 3rd in QS World University Rankings 2018 for Materials Science

WHY CHOOSE MSE?

• Engineer Your Own Future
Pick from four specialisations that represent key growth areas in your field: Medical Materials, Industrial Materials Engineering, Nanoscience and Nanotechnology, and Innovation and Intellectual Property.

• Future-Ready Education
Benefit from an academically-rigorous curriculum which blends theory, practice, technical competencies and soft skills for a holistic education.

• Cutting-Edge Facilities
Gain excellent research and learning experience enabled by modern and well-equipped research laboratories and learning facilities.

CAREER PROSPECTS
MSE graduates are highly sought-after in industries such as:

• Aerospace & Aviation
• Biomedical
• Defence
• Education
• Electronics
• Engineering
• Environmental
• Fast Moving Consumer Goods
• Manufacturing
• Offshore & Marine
• Oil & Gas
• Pharmaceutical
• Renewable Energy
• Research
• Technology

Programming
The School of Mechanical and Aerospace Engineering (MAE) is where students can fuel their passions in mechanical and aerospace engineering. Our Aerospace Engineering degree programme prepares students for the fast-paced and cutting-edge aerospace industry by providing them with specialised training to help their careers take off. Our Mechanical Engineering degree programme comprises specialisations in disciplines such as the Design Stream, Robotics and Mechatronics Stream and the Main Stream. Students can kick-start their journeys into the areas of aeronautical engineering, energy & environment engineering, naval architecture & marine engineering and more.

At MAE, students can benefit from our close ties with major industry partners such as HP, Rolls-Royce, Civil Aviation Authority of Singapore and Sembcorp Marine. As a result, they gain exposure to relevant issues in an ever-changing global economy.

**RANKING**
- 14th in the 2018 QS World University Rankings by Subject for Mechanical Engineering

**WHY CHOOSE MAE?**
- Hands-on Learning
  - Immerse in an industry-oriented and flexible curriculum through experiential learning programmes.
- Cutting-Edge Lab Technologies
  - Fuel your learning at advanced laboratories that will propel you towards the future of digital industries.
- Education Beyond the Classroom
  - Embark on exciting internship, exchange and attachment opportunities in Singapore and overseas.

**CAREER PROSPECTS**
- MAE graduates will be well-placed to work in areas such as:
  - Aerospace Research
  - Aircraft Design & Manufacturing
  - Aircraft Operations & Maintenance
  - Aviation Regulation
  - Defence Science & Technology
  - Logistics
  - Manufacturing
  - Marine and Offshore Engineering
  - Petrochemical
  - Biomedical
  - Power Generation & Distribution
  - Robotics
  - Product Design
  - Project Planning & Management

I was given the opportunity to represent NTU MAE in the Nanyang Venture Series of Cars competition. There’s a sense of pride and achievement every time I walk past the School and see my team’s trophies on display!”

Ng Kok Choong
Mechanical Engineering, Year 4
The School of Art, Design & Media (ADM) is one of Asia’s leading centres for the study and production of visual arts and creative content. Here, students can look forward to an exciting creative journey across artistic disciplines while specialising in their chosen fields. Our award-winning and international faculty of artists, designers, media creators and researchers are guides and mentors in our students’ journey towards artistic excellence.

Dynamic and rigorous programmes are designed to sharpen our students’ skills in developing ideas and concepts, honing technical skills, conducting research, and thinking critically and creatively. Most of our coursework is project-based, enabling a boundless exchange of ideas and discoveries through peer-to-peer learning.

You will be based in an iconic award-winning green building, a spacious environment that is home to state-of-the-art facilities and equipment.

WHY CHOOSE ADM?

• Nurturing Creatives for Almost 15 years
  We have a longstanding reputation as a professional art, design and media school with a proven track record for producing excellent graduates.
• State-of-the-Art Building and Facilities
  Complement your learning with cutting-edge technologies and equipment.
• Interdisciplinary Education Approach
  You will have more flexibility in choosing modules that suit your interests and objectives, from within and beyond ADM.

CAREER PROSPECTS

ADM graduates can look forward to careers in the creative and media industries, in areas such as:

• Animation
• Media
• Advertising
• Branding

They can take on roles such as:

• Animators
• Filmmakers
• Media Producers
• Photographers
• Cinematographers
• Post-production Artists
• Visual Effects Artists
• Animators
• Product Designers
• Interactive Designers
• Software Development
• Product Design
• Exhibition Design
• Graphic Designers
• Exhibition Designers
• Concept Artists

The journey in ADM starts like a blank Photoshop canvas. As you get equipped with the relevant tools here, these skills get fine-tuned along the way as the canvas develops. At the end of four years, you find that the masterpiece isn’t the work – but yourself being groomed in the process.”

Val Lay
Bachelor of Fine Arts in Interactive Media, Year 4

The School of Humanities (SoH) is where great minds come together to change the world. Our programmes aim to study how people understand and explain human society and culture. In essence, we strive to help our students, and in turn, society and the world better understand the intricacies of being human. At SoH, students will not only learn to understand the past; they will also develop skills to shape the present and forge a better future.

WHY CHOOSE SoH?

• Direct Honours Programmes
  Prepare for your future career and direct entry into the Major of your choice.
• A Dynamic Curriculum and Faculty
  Unlock your creativity and critical thinking skills with our dynamic programmes and faculty members who are always ready to inspire learning.
• Diversity of Programmes
  Step beyond disciplinary boundaries and pursue a second Major or Minor in another discipline offered by SoH and its sibling schools. We also offer unique additional options such as Creative Writing and Translation.

CAREER PROSPECTS

SoH graduates can pursue careers in areas such as:

• Advertising Services & Market Research
• Arts Administration
• Banking & Finance
• Business
• Corporate Communications
• Education
• Human Resources
• Information & Communication
• Journalism
• Public Administration
• Publishing
• Social Work
• Translation

“SoH has given me the opportunity to develop my interest in Literature and the arts. It has also allowed me to hone my creativity and leadership skills through my involvement in the Transition Orientation Programme. Not only was I able to socialise with students from other programmes, I also befriended like-minded individuals who share my passion for English.”

Nur Azila Binte Rezaini
English Literature and Art History, Year 2
The School of Social Sciences (SSS) offers a range of disciplines that analyse various aspects of human society and relationships. A diversity of learning experiences await our students – they can opt for Second Majors and/or Minors in different core disciplines, with unique Minor options such as Geography and Urban Planning, and Global Asia. To experience learning beyond the classroom, they have opportunities to take on internships or spend a semester or two at a foreign university.

WHY CHOOSE SSS?
• Student-centric Learning
  Shape your own learning journey, both within and beyond the formal curriculum, under the guidance of our dedicated faculty members.
• Top-notch Teachers-Researchers
  Learn from leaders in cutting-edge research as you investigate a wide range of topics revolving around human society and relationships.
• Interdisciplinary Curriculum
  Widen your horizons in areas such as Environment and Sustainability; Global Asia; and Neuroscience, Society and Governance, through interdisciplinary research and international collaborations.

CAREER PROSPECTS
SSS graduates will have opportunities in industry sectors such as:
• Advertising and Market Research
• Banking and Finance
• Business and Management Consultancy
• Education
• Healthcare
• Information and Communication
• Maritime and Shipping
• Public Administration and Defence
• Retail and Wholesale Trade
• Scientific Research and Development
• Society and Community
• Transportation

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• Scientific Research and Development
• Society and Community
• Transportation

Established in 1992, the Wee Kim Wee School of Communication and Information (WKWSCI) today, is Asia’s top-ranked School featuring communication and information studies. We are the only full-fledged communication school in Singapore and a world-class centre of excellence with an international faculty, state-of-the-art research laboratories, and global institutional affiliations.

RANKINGS
• 1st in Asia, 12th in the World (2018) QS World University Rankings by Subject for Communication & Media Studies
• 1st in Asia, 18th in the World (2018) QS World University Rankings by Subject for Library and Information Management

WHY CHOOSE WKWSCI?
• Strong Reputation in Educational Excellence
  Learn in Asia’s #1 school in communication and information studies.
• A Well-balanced Curriculum
  Graduate with a strong balance of practical and conceptual skills that will help you gain an edge in the workforce.
• Personalised Learning Experience
  Immerse in a flexible curriculum where you can customise a learning experience that’s best for you.

CAREER PROSPECTS
WKWSCI graduates will be in high demand in areas such as:
• Broadcasting
• Interactive Media Producing
• Directing
• Media Audience Analysis
• Media Consultancy
• Public Opinion & Consumer Research
• Journalism
• Publishing
• Advertising
• Public Relations
The Asian School of the Environment (ASE) integrates earth and environmental life science, ecology, engineering and technology, human ecology, humanities and the social sciences to address key issues of the environment and sustainability. We offer a curriculum that equips students with skills to tackle pressing global issues such as humans’ impact on the environment, effects of climate change, location and management of natural resources, forecast and mitigation of natural disasters, water resource availability, implementation of alternative energy systems and energy conservation.

We advocate strong faculty-student interactions and our teaching staff are always there to guide and mentor students throughout the programme. We also believe in acquainting our students with real-world knowledge of modern techniques in environmental earth systems science as early as possible. This is why we encourage them to immerse themselves in field-based studies overseas at the end of their first and third years.

ASE builds upon the strengths of the Earth Observatory of Singapore (EOS) and the Singapore Centre for Environmental Life Science Engineering (SCELSE), two research Centres of Excellence within NTU, and collaborates with the Complexity Institute and other academic units of the University.

WHY CHOOSE ASE?

• Hands-on Global Learning Opportunities
  Participate in field studies, both locally and abroad to reinforce your classroom learning.

• Interactive and Nurturing Learning Environment
  Learn in small class sizes, from dedicated professors who go above and beyond in helping you acquire new skills and knowledge.

• Cutting-Edge Learning Facilities
  Use state-of-the-art lab facilities for coursework and research to augment your learning.

CAREER PROSPECTS

Graduates will have opportunities in areas such as:

- Geotechnical & Environmental Consulting
- Geologic Surveying & Monitoring
- Environmental Planning & Policy
- Spatial Analysis
- Environmental Media & Journalism
- Conservation
- Sustainability
- Natural Resource Management

The College of Science (CoS) strives to instil these core skills and values in our students: strong spirit of inquiry, respect for evidence, objectivity in reasoning and development of critical thinking and problem-solving abilities. These valuable skills are imparted through a seamless blend of theory, experiments and practical applications. Opportunities abound for students beyond the classroom, through industrial internships, attachments to research labs and overseas studies.

Our flexible curricula in Biology, Chemistry, Physics, Mathematics, and Earth Systems Sciences will equip you with the platform to overcome future global challenges in sustainability, energy, environment, economics and health.

Students can choose from several multidisciplinary programmes such as the double major programmes launched in 2017 – Environmental Earth Systems Science and Public Policy & Global Affairs; Biological Sciences and Psychology; Mathematical Sciences and Economics. This year, two new programmes will be launched – double major in Biomedical Sciences and BioBusiness, and double major in Mathematical and Computer Sciences. Several of the subject majors can also be combined with second majors. For example, you can choose to read Chemistry & Biological Chemistry, or Biological Sciences, with a second major in Food Science & Technology; Physics with a second major in Mathematical Sciences, or even a double degree programme in Biomedical Sciences and Chinese Medicine.

Our Schools:

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

“The passionate and caring faculty members and teaching assistants equip us with practical skills and multiple perspectives to approach complex environmental issues that are intertwined with lives and livelihoods. The culture of sharing in our small cohort completes our journey in pursuit of a fuller appreciation of our beautiful Earth.”

Felicia, Goh Min Hui
Environmental Earth Systems Science, Year 4
A cutting-edge global education in biomedical and life sciences awaits every student in the School of Biological Sciences (SBS). Stimulating and challenging, our curricula bolster our students’ aptitudes to meet the demands of the biomedical and healthcare industries when they step into the working world. Supported by a team of faculty members hailing from over 20 countries, our students will better understand the global perspectives of these industries.

At SBS, we are committed to helping our students both in and beyond the classroom using modern pedagogical approaches, hands-on research and industrial internships. For an exciting taste of hands-on research, students can join the Undergraduate Advanced Experimental Biology workshops. There, they will learn about life as researchers, hone lab skills for their future careers, get glimpses into the latest biological advancements and more. To get a head start on their careers, they can attend Professional Career Development courses, work closely with our School’s Career Coach as well as attend our monthly Alumni Career Sharing events to find out more.

WHY CHOOSE SBS?

- Top-Quality Tertiary Education
  Benefit from a curriculum that is constantly updated in accordance with market needs, taught by a community of research-active faculty.
- Guaranteed Internship
  Students are required to take on internships to obtain first-hand experience in the real world, giving them a competitive edge as they enter the workforce.

CAREER PROSPECTS

SBS graduates are highly qualified for rewarding careers in areas such as:

- Healthcare
- Biotechnology
- Medical Technology
- Health Technology
- Management and entrepreneurial roles in the healthcare sector
- Education
- Finance and Legal
- Food & Beverage industry
- Information & Communication
- Public Administration and Defence
- Pharmaceutical & Biological Products Manufacturing

Those with additional Majors can explore other areas such as:

- Management, and entrepreneurial roles in the healthcare sector
- Education
- Research Associate, Agency for Science, Technology and Research
- Management Trainees, L’Oréal Singapore Pte Ltd
- Management Associate, National Healthcare Group
- Embryologist, KK Women’s and Children’s Hospital
- Junior Research Fellow, Temasek Life Services Laboratory Ltd

JUSTIN CHIA CHENG ZE

Biological Sciences, Year 2

"I chose to study at SBS because of the many opportunities to gain practical experience through UAEB, URECA, Research Experience and Industrial Internship."
Lee Kong Chian School of Medicine (LKCMedicine), a partnership between NTU and Imperial College London (Imperial), trains doctors who put patients at the centre of their exemplary care. LKCMedicine aims to be a model for innovative medical education and centre for transformative research. The School’s primary clinical partner is the National Healthcare Group, a leader in public healthcare recognised for the quality of its medical expertise, facilities and teaching.

The Lee Kong Chian School of Medicine’s (LKCMedicine) curriculum draws extensively from the world-renowned medical curriculum of Imperial and taps NTU’s strengths in biomedical sciences, engineering and humanities. Graduates of the five-year undergraduate medical degree programme will have a strong understanding of the scientific basis of medicine, with emphasis on technology, data science and the humanities. The School’s first doctors graduated in 2018 with Bachelor of Medicine and Bachelor of Surgery (MBBS) degrees.

LKCMedicine nurtures students to become competent and caring doctors. They learn not only the science of medicine, but how to apply it with humanity for the benefit of their patients. The curriculum emphasises communication skills, professionalism and ethics, which will guide students’ practice and keep patients at the heart of all they do.

WHY LKCMEDICINE?

• Get the Best of Both Worlds
  You will gain a medical degree jointly awarded by NTU and Imperial, which is one of the world’s top 10 medical schools.*

  * Times Higher Education World University Ranking 2018

• Learner-centred Curriculum
  Our innovative curriculum features collaborative Team-Based Learning, Simulation and e-Learning to train competent, future-ready doctors. The integration of a technology-enhanced learning ecosystem into the curriculum means you can learn anytime, anywhere.

• Putting Patients at the Heart of What We Do
  You will learn from clinicians and patients and will be exposed to the full range of clinical environments from Day 1 so that the ethos of putting patients at the heart of what we do is central to the care you deliver.

CAREER PROSPECTS

Armed with the scientific understanding, technological awareness, holistic approach to patient care and life-long learning skills needed to succeed in all medical specialties, LKCMedicine graduates can expect fulfilling careers as outstanding doctors and medical leaders across the spectrum of healthcare services in Singapore. You will be well-placed to shape the future of medical practice in Singapore.

"Stepping out into the real world of medicine was as exciting as it was scary. I am thankful for the support offered by the small cohort and Team-Based Learning groups. When we were doing medical placements, we would meet up regularly in school to share problems and ideas on how to cope. I was also fortunate to have my elective placements in a regional hospital and a big London hospital with many subspecialties. These have prepared me well for the challenges of working with different teams, colleagues and departments as a house officer."  

Dr Charmaine Lee  
LKCMedicine Graduate, Class of 2018
At the Nanyang Business School, we equip our students with specialist skills and real-world knowledge and experiences to excel in today’s increasingly dynamic and interconnected business world. One of the world’s top-tier business schools, NBS’ academic excellence and industry relevance are recognised well beyond Singapore. Regionally, our Master of Business Administration (MBA) programme is consistently ranked as one of Asia’s best. On the international scale, we are accredited by the European Quality Improvement System (EQUIS) and the Association to Advance Collegiate Schools of Business (AACSB) – some of the world’s most widely-recognised quality assurance standards for accounting and business education. Our research has also received outstanding ratings in various academic surveys, with several of our faculty members recognised as global leaders in fields such as accounting, finance, and culture intelligence.

**RANKINGS**
- 5th in Asia Pacific and 22nd globally (Financial Times’ global MBA ranking, January 2018)
- Top 10 in Asia and 68th globally (The Economist MBA ranking, October 2018)

**WHY CHOOSE NBS?**
- New Digital Literacy Courses
  Expand your digital literacy horizon and develop critical thinking and reasoning skills.
- Global Learning Experience
  Our strategic partnerships and collaboration with Statutory Boards, multinational corporations as well as world-class institutions provide students with opportunities for international exposure.
- Highly-recognised Global Certification
  We are the first business school in Singapore and third in Asia to be accredited by both the EQUIS and AACSB.

**CAREER PROSPECTS**
NBS graduates are highly sought after by top employers for their leadership qualities, problem-solving skills, and adaptability to today’s globalised and fast-changing world.

"The professors guided me to set clear career directions and linked me up with major players in the commodities trading industry. The NTU Centre of Excellence International Trading also helped me secure two internships with its corporate partners, giving me invaluable experiences."

Chin Han Long
Double Degree in Accountancy and Business, Year 4
At the National Institute of Education (NIE), we nurture well-rounded lifelong learners who will become passionate teaching professionals with a mission to help mould the future of the nation. These individuals play a huge role in making Singapore’s education systems amongst the world’s best. NIE is committed to ensuring that our students are equipped with high-quality skills and become top-notch teachers.

Our programmes comprise education and pedagogy courses for effective teaching and courses on specialised subject knowledge in at least one academic discipline. Students can choose from two teaching tracks – primary- or secondary-school level teaching.

To cater to the diversity of applicants’ educational backgrounds, we have designed multiple pathways for professional advancement. Apart from our Bachelor of Arts (Education) / Science (Education) programmes, we also offer the Postgraduate Diploma in Education for university graduates and the Diploma in Education for those with pre-university and/or diploma qualifications.

Our student teachers can gain international perspectives on education, through our International Practicum, Semester Exchange and Service and Leadership Training programmes.

CAREER PROSPECTS
NIE graduates will be fully-qualified education professionals who are in high demand within the Singapore education system and beyond.

"The degree programme at NIE is an all-encompassing programme which not only provides me with the subject content, but also enables me to interact and learn alongside like-minded peers who all have a passion for teaching. The rigorous academic, education and curriculum courses will definitely prepare me well for my teaching journey."

Koh Yi Fan
Bachelor of Arts (Education), Year 2
SPORT SCIENCE & MANAGEMENT

ssm.ntu.edu.sg

PROGRAMME OFFERED
• Bachelor of Science in Sport Science & Management

Conceptualised in anticipation of the prospect of Singapore becoming the region’s most sought-after sporting centre, Sport Science & Management (SSM) is the only undergraduate programme offered by a local tertiary institute that trains undergraduates for sport-related careers. Our students’ four years with us will be packed with everything they need to jumpstart their careers in the sport industry. They will hone their knowledge in areas such as exercise physiology, sport biomechanics, motor skill acquisition, sport psychology, sport management and coaching. Hands-on practical experiences, guest lectures and soft skills development will mould them into well-rounded professionals. Students can also expect quality learning experiences with our state-of-the-art sport science laboratories and teaching facilities, along with highly-qualified academic staff. Outstanding students will have exciting opportunities to experience student life overseas for up to six months.

WHY CHOOSE SSM?
• Close Ties with Industry Partners
  Get real-world knowledge and hands-on training experiences that will help shape your success in your future career.
• Bread-based Education
  Benefit from a multidisciplinary programme that will open up many exciting career pathways in sport.

CAREER PROSPECTS
SSM graduates can find exciting opportunities in areas such as:
• Coaching
• Exercise Prescription and Rehabilitation
• Health Promotion
• Physical Education
• Sport Injury Management and Rehabilitation
• Sport Science Support
• Strength and Conditioning
• Workplace Health and Safety
• Human Resource Management in Sport
• Management of Sport Organisation

• Public Relations in Sport
• Sport Analytics
• Sport Broadcasting and Journalism
• Sport Event Management
• Sport Facility Management
• Sport Marketing and Sales
• Sport Research and Business
• Sport Sponsorship and Advertising
• Sport Tourism

APPLY TO NTU

Students, regardless of nationality, should apply under one of the following application groups that correspond to their qualifications.

DESCRIPTION
APPLICATION PERIOD
APPLICATION FEE

Singapore-Cambridge GCE ‘X’ Level
Applicants, regardless of nationality, presenting the Singapore-Cambridge GCE ‘X’ Level certificate
Start: 15 Jan 2019
End: 19 Mar 2019
VISA or Mastercard or DBS/POSB ATM – $510

Diploma Awarded by a Polytechnic in Singapore
Applicants, regardless of nationality, who have graduated with a relevant diploma or are graduating students from one of the following institutions:
• One of the five polytechnics in Singapore
• Nanyang Academy of Fine Arts (NAFA)
• LASALLE College of the Arts
• BCA Academy
• Singapore Sports School-Auckland University of Technology (Diploma in Sport Management & Exercise Science only)
Start: 1 Dec 2018
End: 21 Feb 2019
VISA or Mastercard or DBS/POSB ATM – $510

NUS High School Diploma
Applicants, regardless of nationality, presenting the NUS High School Diploma awarded by NUS High School of Mathematics & Science
Start: 15 Jan 2019
End: 19 Mar 2019
VISA or Mastercard or DBS/POSB ATM – $510

International Baccalaureate (IB) Diploma
Applicants, regardless of nationality, presenting the International Baccalaureate (IB) Diploma awarded by International Baccalaureate Organization (IBO)
Start: 15 Oct 2018
End: 19 Mar 2019
• VISA or Mastercard or DBS/POSB ATM – $510
• International Applicants: Bank draft – $550 or US$350 / Visa or Mastercard – $520

International & Other Qualifications
Applicants, regardless of nationality, presenting an International qualification (e.g. Malaysia STPM/UEC, India Standard 12, Indonesia SMA UAN, PRC Gao Kao, Vietnam High School Graduation Certificate, etc) or other qualifications not specified in the preceding groups above
Please refer to the table on next page.

Part-Time B.Eng
Applicants, regardless of nationality, who have graduated with a relevant diploma or are graduating students from one of the five polytechnics in Singapore
Start: 1 Dec 2018
End: 21 Feb 2019
VISA or Mastercard or DBS/POSB ATM – $565

SCHOLARSHIP APPLICATION
Applicants who wish to apply for scholarships should apply at the same application portal after submitting the application for admission. Same application deadlines as shown in the above table applies to scholarship applications.

Notes:
1. Former or current students of National University of Singapore (NUS), Singapore Management University (SMU), Singapore University of Technology and Design (SUTD), Singapore Institute of Technology (SIT) or Singapore University of Social Sciences (SUSS) seeking admission may apply under one of the application groups listed above.
2. Former Nanyang Technological University (NTU) students seeking re-admission or current NTU students seeking change of programme to Arts (Education) and Science (Education) may apply under one of the application groups listed above.
3. Full-time National Servicemen (NSF) with places already reserved at NTU and who wish to submit new applications may do so by applying under one of the application groups listed above.

"Being in a relatively small cohort, we are a close-knit community. We also have approachable and enthusiastic lecturers who encourage active engagement in class."

Low Hui Min
E.W. Barker Scholar, Sport Science & Management, Year 2
Students with international qualifications must have completed at least 12 years of general education up to GCE 'A' Level or acceptable equivalent (ACADEMIC YEAR 2019-20)

FOR INTERNATIONAL & OTHER QUALIFICATIONS

APPLICATION FOR ADMISSION

• New Zealand NCEA 3
• Myanmar Matriculation Examination
• French Baccalauréat (FB)
• German Abitur
• Honda Jong Diploma of Secondary Education (HIDSE)
• India Standard 12
• Malaysia Sijil Tinggi Persekolahan Malaysia (STPM)
• Malaysia Unified Examination Certificate (UCE)
• Mauritius High School Certificate (HSC)
• Myanmar Matriculation Examination
• New Zealand NCEA 3
• PRC National College Entrance Examination (Gao Kao)
• SMA Ujian Akhiri Nasional (UAN)

APPLICATION PROCESS

Applicants are encouraged to apply at www.ntu.edu.sg/intladmissions.

SUPPORTING DOCUMENTS

The list of supporting documents required for application can be found on the website. There is no translation required if supporting documents are in Chinese or Malay. International students with Malaysia STPM, Malaysia UEC, 'A' Level certificate (ADA, Brunei, Cambridge, Edexcel, Hong Kong, London, Maldives, and Sri Lanka), Indonesia Sijil Tinggi Persekolahan Malaysia, and Korean International School Exam are allowed to apply for Medicine for Academic Year 2019 intake. MBBS programme has very limited places and is highly competitive. Hence, we do not consider applicants who have previously started, are pursuing, or have completed an undergraduate programme at any university. We do not accept applications for transfer to the MBBS programme.

Please visit www.ntu.edu.sg/intladmissions for English language requirements on SAT Reasoning Test/ACT/TOEFL/IELTS/PTE Academic.

APPLICATION PROCEDURE

Applications have to be submitted online at www.ntu.edu.sg/intladmissions.

SCHOLARSHIP APPLICATION

Applicants who wish to apply for scholarships should apply at the same application portal after submitting the application for admission. Same application deadlines as shown in the above table applies to scholarship applications.

APPLICATION FEE

Application fee is non-refundable and non-transferable under all circumstances. The following payment modes are available:

• Bank draft:
  - S$30 or US$30
  - Applicants whose actual/final results are released after April 2019 (e.g. IB applicants whose actual IB Diploma results are released in July 2019) are eligible to apply for Medicine for Academic Year 2019 intake. MBBS programme has very limited places and is highly competitive. Hence, we do not consider applicants who have previously started, are pursuing, or have completed an undergraduate programme at any university. We do not accept applications for transfer to the MBBS programme.

APPLICATION FEE

• Bank draft:
  - S$30 or US$30
  - Applicants whose actual/final results are released after April 2019 (e.g. IB applicants whose actual IB Diploma results are released in July 2019) are eligible to apply for Medicine for Academic Year 2019 intake. MBBS programme has very limited places and is highly competitive. Hence, we do not consider applicants who have previously started, are pursuing, or have completed an undergraduate programme at any university. We do not accept applications for transfer to the MBBS programme.

APPLICATION OUTCOME

The application outcome will be released progressively between February and July. Please refer to our website for estimated outcome periods. Application outcome will be released to applicants by email and updated online at the 'Check Status' link.
ADMISSION CRITERIA FOR STUDENTS WITH SINGAPORE-CAMBRIDGE GCE ‘A’ LEVEL

MINIMUM SUBJECT REQUIREMENTS

You are offering the Singapore-Cambridge GCE ‘A’ Level in the English medium and must fulfil all of the following:
- Obtained at least two passes in subjects at H2 level and attempted General Paper (GP) or Knowledge & Inquiry (KI) in the same sitting
- Met one of the following Mother Tongue Language (MTL) requirements:
  - A minimum of ‘S’ grade in H1 MTL or General Studies in Chinese or H2 Mother Tongue Language & Literature (MTLL) taken at ‘A’ level
  - Pass in MTL B syllabus taken at ‘A’ level
  - A minimum of O7 in Higher MTL taken at ‘O’ level

In addition to fulfilling the above admission criteria, applicants have to meet the following minimum subject requirements of the degree programmes listed below.

<table>
<thead>
<tr>
<th>RENAISSANCE ENGINEERING PROGRAMME</th>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Renaissance Engineering Programme ¥</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COLLEGE OF ENGINEERING</th>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Engineering*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>• Aerospace Engineering*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>• Chemical and Biomolecular Engineering*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>• Computer Engineering*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>• Information Engineering and Media*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>The above single degree programmes are also offered with a Second Major in Business</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Bioengineering with a Second Major in Pharmaceutical Engineering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Bioengineering with a Second Major in Food Science and Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Chemical and Biomolecular Engineering with a Second Major in Food Science and Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Business and Computer Engineering (Double Degree)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Civil Engineering*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>• Electrical and Electronic Engineering*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>• Environmental Engineering*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>• Mechanical Engineering*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>The above single degree programmes are also offered with a Second Major in Business</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Society and Urban Systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Materials Engineering*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>• Business and Computer Engineering (Double Degree)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Civil Engineering*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>• Mechanical Engineering*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>The above single degree programme is also offered with a Second Major in Business</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Data Science and Artificial Intelligence*§</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing and H1 Level/‘O’ Level pass in Physics/equivalent*</td>
<td>Yes</td>
</tr>
<tr>
<td>• Maritime Studies*§</td>
<td>H1 Level pass in Mathematics or ‘O’ Level/equivalent pass in Additional Mathematics and H1 Level/‘O’ Level pass in a Science subject</td>
<td>Yes</td>
</tr>
</tbody>
</table>

COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES

<table>
<thead>
<tr>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Art, Design and Media</td>
<td>‘O’ Level/equivalent pass in Mathematics and A good grade in General Paper/Knowledge &amp; Inquiry</td>
</tr>
<tr>
<td>• Economics &amp; Media Analytics*§</td>
<td>H2 Level pass in Mathematics and A good grade in General Paper/Knowledge &amp; Inquiry</td>
</tr>
<tr>
<td>• English Literature &amp; Art History*§</td>
<td>H2 Level pass in Mathematics and A good grade in General Paper/Knowledge &amp; Inquiry</td>
</tr>
</tbody>
</table>

For specific submission instructions and details, please refer to http://www.adm.ntu.edu.sg/Programmes/ProspectiveStudents/undergraduatedegrees/Pages/ADM-Admission-Requirements.aspx

DOUBLE MAJOR PROGRAMMES

<table>
<thead>
<tr>
<th>SELECTION TEST/INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Economics &amp; Media Analytics*§</td>
</tr>
<tr>
<td>• Economics &amp; Psychology</td>
</tr>
<tr>
<td>• Economics &amp; Public Policy and Global Affairs</td>
</tr>
<tr>
<td>• Psychology &amp; Media Analytics</td>
</tr>
<tr>
<td>• Psychology &amp; Linguistics and Multilingual Studies</td>
</tr>
<tr>
<td>• English Literature &amp; Art History</td>
</tr>
</tbody>
</table>
### Minimum Subject Requirements

**Lee Kong Chian School of Medicine**

<table>
<thead>
<tr>
<th>Subject Requirement</th>
<th>Selection Test/Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Sciences with a Second Major in Biomedical Materials</td>
<td>H2 Level pass in Mathematics or H2 Level pass in Physics/Chemistry/Biology and H1 Level pass in Physics/Chemistry/Biology or any H2 Level pass in Physics/Chemistry/Biology</td>
</tr>
<tr>
<td>Biological Sciences**</td>
<td>H1 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology</td>
</tr>
<tr>
<td>Biological Sciences**</td>
<td>H1 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology</td>
</tr>
<tr>
<td>Biological Sciences with a Second Major in Medical Chemistry and Pharmacology</td>
<td>H1 Level pass in Mathematics and H2 Level pass in Chemistry</td>
</tr>
<tr>
<td>Biological Sciences and Chinese Medicine (Double Degree)</td>
<td>H1 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology and 'O' Level pass in Chinese</td>
</tr>
<tr>
<td>Biological Sciences and Psychology (Double Major)**</td>
<td>A good grade in H1 Level Mathematics and H2 Level pass in Physics/Chemistry/Biology and A good grade in General Paper/Knowledge &amp; Inquiry</td>
</tr>
<tr>
<td>Chemistry and Biological Chemistry</td>
<td>H2 Level pass in Chemistry and H2 Level pass in Mathematics/Physics</td>
</tr>
<tr>
<td>Chemistry and Biological Chemistry</td>
<td>H2 Level pass in Chemistry and H2 Level pass in Physics/Chemistry/Biology</td>
</tr>
<tr>
<td>Environmental Earth Systems Science</td>
<td>H1 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing/Economics</td>
</tr>
<tr>
<td>Environmental Earth Systems Science and Public Policy &amp; Global Affairs (Double Major)**</td>
<td>H1 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing/Economics and A good grade in General Paper/Knowledge &amp; Inquiry/ H1 Level History/English Literature/Geography</td>
</tr>
<tr>
<td>Mathematical and Computer Sciences (Double Major)**</td>
<td>H2 Level pass in Mathematics and H2 Level pass in Physics/Chemistry/Biology/Computing</td>
</tr>
<tr>
<td>Mathematical Sciences</td>
<td>H2 Level pass in Mathematics</td>
</tr>
<tr>
<td>Mathematical Sciences and Economics (Double Major)**</td>
<td>H2 Level pass in Mathematics and A good grade in General Paper/Knowledge &amp; Inquiry</td>
</tr>
<tr>
<td>Physics/Applied Physics</td>
<td>H2 Level pass in Physics and Mathematics</td>
</tr>
<tr>
<td>Physics with a Second Major in Mathematical Sciences</td>
<td>H2 Level pass in Physics and Mathematics</td>
</tr>
<tr>
<td><strong>Medicine</strong></td>
<td>H2 Level pass in Chemistry and H2 Level pass in Biology/Physics</td>
</tr>
</tbody>
</table>

- In addition, applicants are required to submit the following materials for admissions assessment:
  1. Academic results
  2. Personal statement
  3. Two online referee reports (The online referee report is in question and answer format. The questions will take no more than 10 minutes to complete. Instructions and login details will be provided to applicants who will in turn forward the login information to their referees.)
  4. 2 subjects at H1 Level, including a pass in General Paper/Knowledge & Inquiry, at one sitting and 'O' Level pass in Mathematics at H1 Level | Yes |

**Nanyang Business School**

<table>
<thead>
<tr>
<th>Subject Requirement</th>
<th>Selection Test/Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accountancy</strong></td>
<td>H1 Level pass in Mathematics or 'O' Level equivalent in Additional Mathematics</td>
</tr>
<tr>
<td><strong>Business</strong></td>
<td>H1 Level pass in Mathematics or 'O' Level equivalent in Additional Mathematics</td>
</tr>
<tr>
<td><strong>Accountancy and Business (Double Degree)</strong></td>
<td>H1 Level pass in Mathematics or 'O' Level equivalent in Additional Mathematics</td>
</tr>
</tbody>
</table>

**National Institute of Education**

<table>
<thead>
<tr>
<th>Subject Requirement</th>
<th>Selection Test/Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts (Education)**</td>
<td>2 subjects at H1 Level, including a pass in General Paper/Knowledge &amp; Inquiry, at one sitting and 'O' Level pass in Mathematics at H1 Level</td>
</tr>
<tr>
<td>Science (Education)**</td>
<td>2 subjects at H1 Level, including a pass in General Paper/Knowledge &amp; Inquiry, at one sitting and 'O' Level pass in Mathematics at H1 Level</td>
</tr>
<tr>
<td><strong>Sport Science and Management</strong></td>
<td>H1 Level pass in Mathematics or 'O' Level equivalent in Additional Mathematics</td>
</tr>
</tbody>
</table>

**Notes and Footnotes**

- The programme is also offered as a double degree programme with a Minor in Business.
- The programme is also offered as a double degree programme with Economics.
- With Singapore-Cambridge GCE 'A' Level certificate: H1 Level/ 'O' Level pass in Physics/equivalent is only applicable to applicants who have not read Physics at Senior High School Level.
- With International Baccalaureate Diploma: Physics at Standard Level is only applicable to applicants who have not read Physics at Higher Level. With NUS High School Diploma: Overall CAP of 2.0 in Physics/equivalent is only applicable to applicants who have not majored in Physics.
- With International & Other Qualifications: Physics at Junior High School Level is only applicable to applicants who have not read Physics at Senior High School Level.
- The programme is also offered as a single degree programme with a Minor in Social Science.
- The programme is also offered as a single degree programme with a Minor in Strategic Communication.
- The programme is also offered as a single degree programme with a Second Specialisation in Predictive and Forensic Analytics.
- Students who are undecided on their Engineering major may opt for Engineering (i.e. Common Engineering) at the point of application. All Common Engineering students will read a semester of engineering studies after which they will be streamed into either Civil Engineering, Electrical and Electronic Engineering, Environmental Engineering, Materials Engineering or Mechanical Engineering at the end of Year 1, Semester 1. In all cases, admissions and streaming into an engineering major are merit-based.

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**BioMedical Admissions Test (BMAT)**

Applicants will have to register for the BioMedical Admissions Test (BMAT) and take the BMAT as part of the criteria for entry to the Lee Kong Chian School of Medicine (LKCMedicine) programme. Applicants take the BMAT around October/November each year, prior to their application to LKCMedicine. Only results of the BMAT taken in the 12-month period prior to admission to LKCMedicine will be considered in the selection process. For more details on the BMAT, please refer to www.bmat.org.uk.

For further details, please visit www.lkcmedicine.ntu.edu.sg/Admissions/Pages/index.aspx.
ADMISSION CRITERIA FOR STUDENTS WITH DIPLOMA AWARDED BY A POLYTECHNIC IN SINGAPORE

MINIMUM SUBJECT REQUIREMENTS
You hold a relevant diploma or are a graduating student from one of the following institutions:
- One of the five polytechnics in Singapore
- Nanyang Academy of Fine Arts (NAFA)
- LASALLE College of the Arts
- BCA Academy
- Singapore Sports School-Auckland University of Technology (Diploma in Sports Management & Exercise Science only)

RELEVANT PROGRAMMES BASED ON YOUR DIPLOMA
For more information on the relevant degree programme that you are eligible for, based on your diploma and the respective subject requirements, please visit https://wis.ntu.edu.sg/webexe/owa/adm_appl.relevant_diploma?

Applicants who are applying for programmes offered by the Lee Kong Chian School of Medicine and the Nanyang Business School will need to fulfil the following additional requirements:

LEE KONG CHIAN SCHOOL OF MEDICINE

<table>
<thead>
<tr>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Medicine</td>
<td>A good GPA in a Health Science-related diploma</td>
</tr>
</tbody>
</table>

In addition, applicants are required to submit the following materials for admissions assessment:
1. Academic results
2. Personal statement
3. Two online referee reports
4. Details of exceptional talents and/or outstanding achievements beyond school co-curricular activities
5. The online referee report is in question and answer format. The questions will take no more than 10 minutes to complete. Instructions and login details will be provided to applicants who will in turn forward the login information to their referees.
6. Details of additional requirements beyond the above admission criteria

BioMedical Admissions Test (BMAT)
Applicants will have to register for the BioMedical Admissions Test (BMAT) and take the BMAT as part of the criteria for entry to the Lee Kong Chian School of Medicine (LKCMedicine) programme. Applicants take the BMAT around October/November each year, prior to their application to LKCMedicine. Only results of the BMAT taken in the 12-month period prior to admission to LKCMedicine will be considered in the selection process. For more details on how the BMAT is taken, please refer to www.lkcmedicine.ntu.edu.sg/Admissions/Pages/index.aspx.

NANYANG BUSINESS SCHOOL

<table>
<thead>
<tr>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Accountancy§†</td>
<td>Mathematics skills are essential for entry into Nanyang Business School (NBS).</td>
</tr>
<tr>
<td>• Business†</td>
<td>Polytechnic applicants are therefore required to take a NTU Mathematics elective upon admission to NBS.</td>
</tr>
<tr>
<td>• Accountancy and Business (Double Degree)§</td>
<td>Applicants do not have ‘O’ level Additional Mathematics + Grade obtained for ‘O’ level Additional Mathematics is C6 or below</td>
</tr>
</tbody>
</table>

Successful polytechnic applicants who do not meet the minimum Mathematics requirement above will be advised on the registration for the Mathematics elective upon matriculation into the University.

For further details, please visit http://admissions.ntu.edu.sg/UndergraduateAdmissions/Pages/PolyDiploma.aspx.

ADMISSION CRITERIA FOR STUDENTS WITH INTERNATIONAL BACCALAUREATE DIPLOMA

MINIMUM SUBJECT REQUIREMENTS
You are offering the International Baccalaureate (IB) Diploma, awarded by the International Baccalaureate Organization (IBO). In addition to fulfilling the above admission criteria, applicants have to meet the following minimum subject requirements of the degree programmes listed below:

<table>
<thead>
<tr>
<th>RENAISSANCE ENGINEERING PROGRAMME</th>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Engineering§§</td>
<td>Mathematics at Higher Level, and Physics/Chemistry/Biology/Computer Science at Higher Level</td>
<td>Yes</td>
</tr>
<tr>
<td>• Aerospace Engineering**</td>
<td>Mathematics at Higher Level, and Physics/Chemistry/Biology/Computer Science at Higher Level</td>
<td></td>
</tr>
<tr>
<td>• Chemical and Biomedical Engineering**</td>
<td>Mathematics at Higher Level, and Physics at Standard Level/equivalent</td>
<td></td>
</tr>
<tr>
<td>• Computer Engineering**</td>
<td>Mathematics at Higher Level, and Physics/Chemistry/Biology/Computer Science at Higher Level</td>
<td></td>
</tr>
<tr>
<td>• Information and Media**</td>
<td>Mathematics at Higher Level, and Physics at Standard Level/equivalent</td>
<td></td>
</tr>
</tbody>
</table>

The above single degree programmes are also offered with a Second Major in Business

<table>
<thead>
<tr>
<th>COLLEGE OF ENGINEERING</th>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Engineering^*§</td>
<td>Mathematics at Higher Level, and Physics/Chemistry/Biology/Computer Science at Higher Level</td>
<td>Yes</td>
</tr>
<tr>
<td>• Civil Engineering^*</td>
<td>Mathematics at Higher Level, and Physics/Chemistry/Biology/Computer Science at Higher Level</td>
<td></td>
</tr>
<tr>
<td>• Electrical and Electronic Engineering^*</td>
<td>Mathematics at Higher Level, and Physics at Standard Level/equivalent</td>
<td></td>
</tr>
<tr>
<td>• Environmental Engineering^*</td>
<td>Mathematics at Higher Level, and Physics at Standard Level/equivalent</td>
<td></td>
</tr>
<tr>
<td>• Mechanical Engineering^*</td>
<td>Mathematics at Higher Level, and Physics at Standard Level/equivalent</td>
<td></td>
</tr>
</tbody>
</table>

The above single degree programmes are also offered with a Second Major in Business and Society and Urban Systems

<table>
<thead>
<tr>
<th>NANTHANG BUSINESS SCHOOL</th>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Materials Engineering**</td>
<td>The above single degree programme is also offered with a Second Major in Business and Medical Biology</td>
<td></td>
</tr>
<tr>
<td>• Business and Computer Engineering (Double Degree)</td>
<td>Business and Medical Biology</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Bioengineering**</td>
<td>Business and Computing (Double Degree)</td>
<td></td>
</tr>
<tr>
<td>• Computer Science**</td>
<td>Data Science and Artificial Intelligence**</td>
<td></td>
</tr>
</tbody>
</table>

The above single degree programmes are also offered with a Second Major in Business and Society and Urban Systems

For more information on the admission requirements, please visit http://admissions.ntu.edu.sg/UndergraduateAdmissions/Pages/PolyDiploma.aspx.
### College of Humanities, Arts, and Social Sciences

<table>
<thead>
<tr>
<th>Programme</th>
<th>Minimum Subject Requirements</th>
<th>Selection Test/Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Art, Design and Media</td>
<td>Mathematics at Standard Level, and A good grade in English at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Art, Design and Media (Double Major)**</td>
<td>Mathematics at Standard Level, and A good grade in English at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Art, Design and Media (Double Major)**</td>
<td>A good grade in English at Standard Level, and A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Communication Studies</td>
<td>Mathematics at Standard Level, and A good grade in English at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Communication Studies with a Second Major in Business</td>
<td>Mathematics at Standard Level, and A good grade in English at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Chinese</td>
<td>Mathematics at Standard Level, and A good grade in English at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Economics</td>
<td>Mathematics at Standard Level, and A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• English Literature</td>
<td>Mathematics at Standard Level, and A good grade in English at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• History</td>
<td>Mathematics at Standard Level, and A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Linguistics &amp; Multilingual Studies</td>
<td>Mathematics at Standard Level, and A good grade in English at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Linguistics &amp; Multilingual Studies</td>
<td>A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Philosophy</td>
<td>Mathematics at Standard Level, and A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Public Policy and Global Affairs</td>
<td>Mathematics at Standard Level, and A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Sociology</td>
<td>Mathematics at Standard Level, and A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
</tbody>
</table>

### Double Major Programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>Minimum Subject Requirements</th>
<th>Selection Test/Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Economics &amp; Media Analytics**</td>
<td>Mathematics at Standard Level, and A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Economics &amp; Psychology**</td>
<td>Mathematics at Standard Level, and A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Economics &amp; Public Policy and Global Affairs*</td>
<td>Mathematics at Standard Level, and A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Psychology &amp; Media Analytics**</td>
<td>Mathematics at Standard Level, and A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Psychology &amp; Linguistics &amp; Multilingual Studies**</td>
<td>Mathematics at Standard Level, and A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• English Literature &amp; Art History**</td>
<td>Mathematics at Standard Level, and A good grade in Chinese at Standard Level</td>
<td>On a selective basis</td>
</tr>
</tbody>
</table>

### College of Science

<table>
<thead>
<tr>
<th>Programme</th>
<th>Minimum Subject Requirements</th>
<th>Selection Test/Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Biological Sciences**</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biological Sciences with a Second Major in Biomedical Structural Biology</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biomedical Sciences and Biobusiness (Double Major)**</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biomedical Sciences with a Second Major in Biomedical Materials</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biomedical Sciences with a Second Major in Food Science &amp; Technology</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biological Sciences with a Second Major in Medicinal Chemistry and Pharmacology</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biomedical Sciences and Chinese Medicine (Double Degree)</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biological Sciences and Psychology (Double Major)**</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Chemistry and Biological Chemistry</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Chemistry and Biological Chemistry with a Second Major in Food Science and Technology</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
</tbody>
</table>

### Lee Kong Chian School of Medicine

<table>
<thead>
<tr>
<th>Programme</th>
<th>Minimum Subject Requirements</th>
<th>Selection Test/Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Medicine</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
</tbody>
</table>

### Double Major Programmes

<table>
<thead>
<tr>
<th>Programme</th>
<th>Minimum Subject Requirements</th>
<th>Selection Test/Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Economics &amp; Media Analytics**</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Economics &amp; Psychology**</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Economics &amp; Public Policy and Global Affairs*</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Psychology &amp; Media Analytics**</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Psychology &amp; Linguistics &amp; Multilingual Studies**</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• English Literature &amp; Art History**</td>
<td>Mathematics at Standard Level, and Physics/Chemistry/Biology at Higher Level</td>
<td>On a selective basis</td>
</tr>
</tbody>
</table>

Note: The award of a minor or a second major will only be reflected in the graduate’s transcript but not on his/her degree certificate. Please refer to page 51 for the description of the respective footnotes denoted in the above table.
**ADMISSION CRITERIA FOR STUDENTS WITH NUS HIGH SCHOOL DIPLOMA**

**MINIMUM SUBJECT REQUIREMENTS**

You are offering the NUS High School Diploma. In addition to fulfilling the above admission criteria, applicants have to meet the following minimum subject requirements of the degree programmes listed below.

### RENAISSANCE ENGINEERING PROGRAMME MINIMUM SUBJECT REQUIREMENTS SELECTION TEST/INTERVIEW

<table>
<thead>
<tr>
<th>Programme</th>
<th>Subjects</th>
<th>Test/Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Renaissance Engineering Programme</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology, and Overall CAP of 2.0 in Physics/equivalent</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### COLLEGE OF ENGINEERING MINIMUM SUBJECT REQUIREMENTS SELECTION TEST/INTERVIEW

<table>
<thead>
<tr>
<th>Programme</th>
<th>Subjects</th>
<th>Test/Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Aerospace Engineering*§</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology, and Overall CAP of 2.0 in Physics/equivalent</td>
<td>Yes</td>
</tr>
<tr>
<td>• Chemical and Biomolecular Engineering*§</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology, and Overall CAP of 2.0 in Physics/equivalent</td>
<td>Yes</td>
</tr>
<tr>
<td>• Computer Engineering*§</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology, and Overall CAP of 2.0 in Physics/equivalent</td>
<td>Yes</td>
</tr>
<tr>
<td>• Information Engineering and Media*§</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology, and Overall CAP of 2.0 in Physics/equivalent</td>
<td>Yes</td>
</tr>
<tr>
<td>• Bioengineering with a Second Major in Pharmaceutical Engineering</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology, and Overall CAP of 2.0 in Physics/equivalent</td>
<td>Yes</td>
</tr>
<tr>
<td>• Bioengineering with a Second Major in Food Science and Technology</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology, and Overall CAP of 2.0 in Physics/equivalent</td>
<td>Yes</td>
</tr>
<tr>
<td>• Business and Computer Engineering (Double Degree)</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology, and Overall CAP of 2.0 in Physics/equivalent</td>
<td>Yes</td>
</tr>
<tr>
<td>• Civil Engineering*§</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology, and Overall CAP of 2.0 in Physics/equivalent</td>
<td>Yes</td>
</tr>
<tr>
<td>• Electrical and Electronic Engineering*§</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology, and Overall CAP of 2.0 in Physics/equivalent</td>
<td>Yes</td>
</tr>
<tr>
<td>• Environmental Engineering*§</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology, and Overall CAP of 2.0 in Physics/equivalent</td>
<td>Yes</td>
</tr>
<tr>
<td>• Mechanical Engineering*§</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology, and Overall CAP of 2.0 in Physics/equivalent</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### DOUBLE MAJOR PROGRAMMES MINIMUM SUBJECT REQUIREMENTS SELECTION TEST/INTERVIEW

<table>
<thead>
<tr>
<th>Programme</th>
<th>Subjects</th>
<th>Test/Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Economics &amp; Media Analytics*§</td>
<td>Major CAP of 2.0 in Mathematics, and Good Overall CAP in English Language</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Economics &amp; Psychology*§</td>
<td>Major CAP of 2.0 in Mathematics, and Good Overall CAP in English Language</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Economics &amp; Public Policy and Global Affairs*</td>
<td>Major CAP of 2.0 in Mathematics, and Good Overall CAP in English Language</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Psychology &amp; Media Analytics*§</td>
<td>Major CAP of 2.0 in Mathematics, and Good Overall CAP in English Language</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Psychology &amp; Linguistics and Multilingual Studies**</td>
<td>Major CAP of 2.0 in Mathematics, and Good Overall CAP in English Language</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• English Literature &amp; Art History**</td>
<td>Major CAP of 2.0 in Mathematics, and Good Overall CAP in English Language</td>
<td>On a selective basis</td>
</tr>
</tbody>
</table>

### COLLEGE OF SCIENCE MINIMUM SUBJECT REQUIREMENTS SELECTION TEST/INTERVIEW

<table>
<thead>
<tr>
<th>Programme</th>
<th>Subjects</th>
<th>Test/Interview</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Biological Sciences*§</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biological Sciences with a Second Major in Biomedical Structural Biology</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biological Sciences with a Second Major in Food Science and Technology</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biomedical Sciences and BioBusiness (Double Major)**</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biomedical Sciences with a Second Major in Biomedical Materials</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biomedical Sciences with a Second Major in Medicinal Chemistry and Pharmacology</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Chemistry</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biomedical Sciences and Chinese Medicine (Double Degree)</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Biomedical Sciences and Psychology (Double Major)**</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Chemical and Biological Chemistry</td>
<td>Major CAP of 2.0 in Chemistry, and Major CAP of 2.0 in Mathematics</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Chemistry and Biological Chemistry with a Second Major in Food Science and Technology</td>
<td>Major CAP of 2.0 in Chemistry, and Major CAP of 2.0 in Mathematics</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>• Environmental Earth System Science</td>
<td>Major CAP of 2.0 in Mathematics, and Major CAP of 2.0 in Physics/Chemistry/Biology</td>
<td>On a selective basis</td>
</tr>
</tbody>
</table>
ADMISSION CRITERIA FOR STUDENTS WITH INTERNATIONAL & OTHER QUALIFICATIONS

MINIMUM SUBJECT REQUIREMENTS
You must have completed at least 12 years of general education or will be taking High School national examinations in the year of application in order to be considered for admission.

In addition to fulfilling the minimum entry criteria on page 46 and 47, applicants who are applying for the degree programmes listed below, must also meet the respective minimum subject requirements.

RENAISSANCE ENGINEERING PROGRAMME

MINIMUM SUBJECT REQUIREMENTS

<table>
<thead>
<tr>
<th>PROGRAMME</th>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/ INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renaissance Engineering Programme</td>
<td>Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Physics at Junior High School Level, and A good grade in General Paper/English at Senior High School Level</td>
<td>Yes</td>
</tr>
</tbody>
</table>

COLLEGE OF SCIENCE

MINIMUM SUBJECT REQUIREMENTS

<table>
<thead>
<tr>
<th>PROGRAMME</th>
<th>SELECTION TEST/ INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Earth Systems Science and Public Policy &amp; Global Affairs (Double Major)*</td>
<td>On a selective basis</td>
</tr>
<tr>
<td>Mathematical Sciences*</td>
<td></td>
</tr>
<tr>
<td>Mathematical and Computer Sciences (Double Major)**</td>
<td></td>
</tr>
<tr>
<td>Mathematical Sciences and Economics (Double Major)**</td>
<td></td>
</tr>
<tr>
<td>Physical/Applied Physics</td>
<td></td>
</tr>
<tr>
<td>Physics with a Second Major in Mathematical Sciences</td>
<td></td>
</tr>
</tbody>
</table>

LEE KONG CHIAN SCHOOL OF MEDICINE

MINIMUM SUBJECT REQUIREMENTS

<table>
<thead>
<tr>
<th>PROGRAMME</th>
<th>SELECTION TEST/ INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicine</td>
<td></td>
</tr>
</tbody>
</table>

NANYANG BUSINESS SCHOOL

MINIMUM SUBJECT REQUIREMENTS

<table>
<thead>
<tr>
<th>PROGRAMME</th>
<th>SELECTION TEST/ INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accountancy*</td>
<td></td>
</tr>
<tr>
<td>Business*</td>
<td></td>
</tr>
<tr>
<td>Accountancy and Business (Double Degree)*</td>
<td></td>
</tr>
</tbody>
</table>

NATIONAL INSTITUTE OF EDUCATION

MINIMUM SUBJECT REQUIREMENTS

<table>
<thead>
<tr>
<th>PROGRAMME</th>
<th>SELECTION TEST/ INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts (Education) *</td>
<td></td>
</tr>
<tr>
<td>Science (Education) *</td>
<td></td>
</tr>
</tbody>
</table>

SPORT SCIENCE AND MANAGEMENT

MINIMUM SUBJECT REQUIREMENTS

<table>
<thead>
<tr>
<th>PROGRAMME</th>
<th>SELECTION TEST/ INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sport and Science Management*</td>
<td></td>
</tr>
</tbody>
</table>

Note: The award of a minor or a second major will only be reflected in the graduate’s transcript but not on his/her degree certificate. Please refer to page 51 for the description of the respective footnotes denoted in the above table.
### College of Humanities, Arts, and Social Sciences

<table>
<thead>
<tr>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/ INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Art, Design and Media</td>
<td>Mathematics at Junior High School Level, and A good grade in English at Senior High School Level</td>
</tr>
<tr>
<td></td>
<td>In addition, applicants are required to produce and submit the following materials for admissions assessment: 1. A portfolio 2. Personal statement and writing samples 3. A creative project 4. Three visuals</td>
</tr>
<tr>
<td></td>
<td>For specific submission instructions and details, please refer to <a href="http://www.adm.ntu.edu.sg/Programmes/ProspectiveStudents/undergraduatedegrees/Pages/ADM-Admission-requirements.aspx">http://www.adm.ntu.edu.sg/Programmes/ProspectiveStudents/undergraduatedegrees/Pages/ADM-Admission-requirements.aspx</a></td>
</tr>
</tbody>
</table>

### College of Science

<table>
<thead>
<tr>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/ INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Environmental Earth Systems Science</td>
<td>Additional Mathematics at Junior High School Level, and Physics/Chemistry/Biology/Economics at Senior High School Level</td>
</tr>
<tr>
<td>• Environmental Earth Systems Science and Public Policy &amp; Global Affairs (Double Major)**</td>
<td>Additional Mathematics at Junior High School Level, and Physics/Chemistry/Biology/Economics at Senior High School Level, and A good grade in General Paper/English at Senior High School Level</td>
</tr>
<tr>
<td>• Mathematical Sciences**</td>
<td>Mathematics at Senior High School Level</td>
</tr>
<tr>
<td>• Mathematical and Computer Sciences (Double Major)**</td>
<td>Mathematics at Senior High School Level and Physics/Chemistry/Biology at Senior High School Level</td>
</tr>
<tr>
<td>• Mathematical Sciences and Economics (Double Major)**</td>
<td>Mathematics at Senior High School Level, and A good grade in English at Senior High School Level</td>
</tr>
<tr>
<td>• Physics/Applied Physics</td>
<td>Physics and Mathematics at Senior High School Level</td>
</tr>
<tr>
<td>• Physics with a Second Major in Mathematical Sciences</td>
<td>Physics and Mathematics at Senior High School Level</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/ INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Communication Studies</td>
<td>Additional Mathematics at Junior High School Level, and A good grade in General Paper/English at Senior High School Level</td>
</tr>
<tr>
<td>• Communication Studies with a Second Major in Business</td>
<td>A good grade in Chinese at O’Level/HSK Advanced Level</td>
</tr>
<tr>
<td>• Chinese</td>
<td>A good grade in Additional Mathematics at Junior High School Level, and A good grade in English at Senior High School Level</td>
</tr>
<tr>
<td>• Economics</td>
<td>A good grade in Additional Mathematics at Junior High School Level, and A good grade in English at Senior High School Level, and A good grade in Physics/Chemistry/Biology at Junior High School Level</td>
</tr>
<tr>
<td>• English Literature</td>
<td>A good grade in General Paper/English at Senior High School Level</td>
</tr>
<tr>
<td>• History</td>
<td>A good grade in English at Senior High School Level, and A good grade in Physics/Chemistry/Biology at Senior High School Level</td>
</tr>
<tr>
<td>• Public Policy and Global Affairs</td>
<td>A good grade in English at Senior High School Level, and A good grade in Physics/Chemistry/Biology at Senior High School Level</td>
</tr>
</tbody>
</table>

### DOUBLE MAJOR PROGRAMMES

<table>
<thead>
<tr>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/ INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Economics &amp; Media Analytics*</td>
<td>A good grade in Mathematics at Senior High School Level, and A good grade in General Paper/English at Senior High School Level</td>
</tr>
<tr>
<td>• Economics &amp; Psychology*</td>
<td>A good grade in Mathematics at Senior High School Level, and A good grade in General Paper/English at Senior High School Level</td>
</tr>
<tr>
<td>• Economics &amp; Public Policy and Global Affairs*</td>
<td>A good grade in Mathematics at Senior High School Level, and A good grade in General Paper/English at Senior High School Level</td>
</tr>
<tr>
<td>• Psychology &amp; Media Analysis*</td>
<td>A good grade in Mathematics at Junior High School Level, and A good grade in General Paper/English at Senior High School Level</td>
</tr>
<tr>
<td>• Psychology &amp; Linguistics and Multilingual Studies*</td>
<td>A good grade in Mathematics at Senior High School Level, and A good grade in General Paper/English at Senior High School Level</td>
</tr>
<tr>
<td>• English Literature &amp; Art History*</td>
<td>A good grade in General Paper/English at Senior High School Level</td>
</tr>
</tbody>
</table>

### College of Science

<table>
<thead>
<tr>
<th>MINIMUM SUBJECT REQUIREMENTS</th>
<th>SELECTION TEST/ INTERVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Biological Sciences*</td>
<td>Mathematics at Junior High School Level, and Physics/Chemistry/Biology at Senior High School Level</td>
</tr>
<tr>
<td>• Biological Sciences with a Second Major in Biomedical Structural Biology</td>
<td>Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Physics at Junior High School Level</td>
</tr>
<tr>
<td>• Biomedical Sciences and Biobusiness (Double Major)**</td>
<td>Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Physics at Junior High School Level</td>
</tr>
<tr>
<td>• Biological Sciences with a Second Major in Biomedical Materials</td>
<td>Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Physics at Junior High School Level, and Any two Physics/Chemistry/Biology at Senior High School Level</td>
</tr>
<tr>
<td>• Biological Sciences with a Second Major in Food Science &amp; Technology</td>
<td>Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Mathematics at Junior High School Level</td>
</tr>
<tr>
<td>• Biological Sciences with a Second Major in Medicinal Chemistry and Pharmacology</td>
<td>Mathematics at Junior High School Level, and Chemistry at Senior High School Level</td>
</tr>
<tr>
<td>• Biomedical Sciences and Chinese Medicine (Double Degree)</td>
<td>Mathematics at Junior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Chinese at O’Level/HSK Advanced Level</td>
</tr>
<tr>
<td>• Biological Sciences and Psychology (Double Major)**</td>
<td>A good grade in Additional Mathematics at Junior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and A good grade in English at Senior High School Level</td>
</tr>
<tr>
<td>• Chemistry and Biological Chemistry</td>
<td>Chemistry at Senior High School Level, and Mathematics/Physics at Senior High School Level</td>
</tr>
<tr>
<td>• Chemistry and Biological Chemistry with a Second Major in Food Science and Technology</td>
<td>No specific requirements mentioned</td>
</tr>
</tbody>
</table>

Note: The award of a minor or a second major will only be reflected in the graduate’s transcript but not on his/her degree certificate. Please refer to page 51 for the description of the respective footnotes denoted in the above table.
At NTU, we believe in helping students realise their fullest potential. In order to give those with financial difficulties an equal opportunity for a university education, a range of assistance schemes is available to help students with tuition fees and personal expenses.

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**FINANCIAL ASSISTANCE**

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**FINANCIAL ASSISTANCE SCHEMES AT A GLANCE**

<table>
<thead>
<tr>
<th>SCHEMES</th>
<th>ELIGIBILITY</th>
<th>QUANTUM (P.A.)</th>
<th>GUARANTOR</th>
<th>REPAYMENT &amp; INTEREST</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPF Education Scheme</td>
<td>• Full-time undergraduates</td>
<td>• Up to 100% of MOE subsidised tuition fee</td>
<td>N.A.</td>
<td>• Minimum $5100/month with repayment over a period of 12 years, commencing 1 year after graduation</td>
</tr>
<tr>
<td></td>
<td>using student’s or parent’s CPF savings (Refer to notes)</td>
<td></td>
<td></td>
<td>• Interest at current CPF interest rate computed from date of withdrawal</td>
</tr>
<tr>
<td></td>
<td>• Does not cover miscellaneous and hostel fees</td>
<td></td>
<td></td>
<td>• Repayment period of 5 years after graduation, or on securing employment, whichever is earlier</td>
</tr>
<tr>
<td></td>
<td>• Per Capita Income of family must be less than or equal to $2,700/month for Singapore Citizen and $9,000/month for SPR</td>
<td></td>
<td></td>
<td>• Loan repayment of minimum $5300/month after graduation over a period of 5 years</td>
</tr>
<tr>
<td>Post-Secondary Education Account (PSEA)</td>
<td>• Students with funds in their own/siblings’ accounts</td>
<td>• Funds in students/siblings’ accounts</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
<tr>
<td>Mendaki Tertiary Tuition Fee Subsidy (TTFS)</td>
<td>• Malay Singaporean Citizen/ Singaporean PR</td>
<td>• 50%, 70% or 100% of subsidised tuition fee</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
<tr>
<td></td>
<td>• Monthly Household Per Capita Income (PCI) does not exceed $2,250</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuition Fee Loan Scheme (TFL)</td>
<td>• Full-time undergraduates of all nationalities, regardless of family background/income (Refer to notes)</td>
<td>• Up to 90% of subsidised tuition fee payable by Singaporean students for the same programme</td>
<td>N.A.</td>
<td>• Loan repayment of minimum $5300/month after graduation over a period of 5 years</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• For non-Singaporean students, the maximum percentage of financing is less than 70% of fees payable by SPR/ international students</td>
<td></td>
<td>• No repayment is required for Travel Awards</td>
</tr>
<tr>
<td></td>
<td>• One guarantor aged between 21 and 60 years and is not a bankrupt</td>
<td>• Singaporean guarantor to be provided for Singaporean students</td>
<td>• For SPR loan, one guarantor aged between 21 and 60 years, employed and not a bankrupt is required</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Singaporean/SPR guarantor to be provided for SPR students</td>
<td>• Guarantee of any nationality is acceptable for international students</td>
<td>• Singaporean/SPR guarantor to be provided for SPR and international students</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Minimum $5100/month with repayment over a period of 20 years, commencing not later than 2 years after graduation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Interest-free until graduation and thereafter interest at average prime rate of the 3 local banks</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. The schemes are only applicable to undergraduate studies. Students will only be covered under these schemes for the first three years of the Biomedical Sciences & Chinese Medicine double degree programme.
2. SPR/International students paying non-subsidised tuition fees are not eligible to apply for financial aid schemes.
3. NIE trainee teachers who are either drawing salary/expense from MOE or paying non-subsidised tuition fees are not eligible to apply for the NTU-administered financial assistance schemes except for the OSP and PC Loans.
TUITION FEES AND EXPENSES

The Ministry of Education provides a Tuition Grant for eligible full-time undergraduate students to help them manage the costs of full-time tertiary education in Singapore. Singapore Citizens will receive one automatically when they commence their studies, while Permanent Residents and international students need to apply for it as part of their online university application. Grants for international students are limited, and are awarded on a competitive basis based on merit.

Full-time undergraduate students who accept admission to NTU on a subsidised fee basis will receive the Tuition Grant up to the normal duration taken to complete a degree programme. Students who receive the Tuition Grant pay subsidised tuition fees.

Students who transfer courses within NTU or between local universities will receive the Tuition Grant up to the normal programme duration, minus the number of semesters of Tuition Grant received for their previous programme(s). For example, if a student has spent two semesters in a local university, and applies to NTU to pursue a four-year undergraduate programme (eight semesters), the student will be eligible to receive the Tuition Grant for only six semesters at NTU (that is, eight minus two).

To take up a Tuition Grant, Singapore Permanent Residents and international students are required to sign a Tuition Grant Agreement. They will be contractually obliged to work in a Singapore entity for three years upon graduation.

TUITION AND COMPULSORY MISCELLANEOUS FEES

The tuition fees for Academic Year 2019-2020 are currently under review. For the latest update on our tuition fees, please visit our website http://www.ntu.edu.sg/NSS/NSSFinance/FeesTuitionGrant/Pages/TuitionFees.aspx.

ESTIMATED MONTHLY LIVING EXPENSES

<table>
<thead>
<tr>
<th>TYPES OF EXPENSES</th>
<th>ESTIMATED COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Campus Accommodation</td>
<td>S$255 - S$590*</td>
</tr>
<tr>
<td>Meals</td>
<td>S$100</td>
</tr>
<tr>
<td>Transport, Books and Basic Personal Expenses</td>
<td>S$325</td>
</tr>
<tr>
<td>Total</td>
<td>S$890 - S$1,215</td>
</tr>
</tbody>
</table>

* The estimated cost of accommodation is based on the rate of a single room or twin-sharing room.