



NANYANG
TECHNOLOGICAL
UNIVERSITY



The
NTU
Undergraduate
Experience 2010/11
International Students

A Message by **Dr Su Guaning** *President*



Every year, we welcome the brightest and most promising students from Singapore and all over the world to pursue an enriching undergraduate experience at NTU. These scholars are attracted by the opportunity to experience learning in an internationally renowned university. But NTU is more than a place where you earn a degree. It is a place where you can begin to lay the foundations for successful careers; a place where you may find life-long friends or even a life partner – a place where you begin your future.

The heart of NTU's success resides in our dedicated staff, robust student body and outstanding, internationally recognised faculty members. We attract some of the world's finest researchers and academics with the latest and freshest ideas to our campus.

More than just a premier science and technology university, NTU is committed to giving back to society. The university is a founding member of the Global Alliance of

Technological Universities. This alliance brings together seven of the world's top technological universities in the belief that one of the best ways to address global societal issues is through the joint and concerted development of technological solutions based on top class research in science and technology.

NTU is also the first-ever Kauffman campus collaboration outside of the United States of America. This is in line with our philosophy to nurture creative and entrepreneurial leaders through a broad-based education in diverse disciplines.

We are further developing the undergraduate experience to prepare our students for global leadership through a strong and broad academic foundation, overseas immersion programmes, research exposure, and a vibrant campus experience.

When you embark on your learning journey with us, you will gain strong knowledge founded on science and technology, and enjoy a global experience. A university education at NTU is not all about studying. We encourage you to make the most of the life-changing experience you are about to embark upon. Take the opportunity to venture into the world and broaden your horizons under our immersion programmes with top-notch overseas universities.

Broaden your network by taking part in recreational and cultural activities. Hone your leadership and management skills by participating in the various clubs and committees. Live in our Halls of Residence and immerse yourself in the complete university experience. It will be a much-cherished experience as the friendships you build and the bonds you cultivate will last a lifetime.

Join us and become part of our vibrant global community. I look forward to seeing you at NTU!

A Message by **Dr Lalit Goel** *Dean of Admissions*

A very warm welcome from NTU – one of the most dynamic universities in the world! We have a 2,700-strong academic and research faculty hailing from more than 50 countries; a student body that includes top scholars and international Olympiad medalists from Singapore, around the region and beyond.

As a world-class university, NTU offers you a holistic tertiary education focused on creativity, entrepreneurship, leadership and interpersonal skills. You will also benefit from NTU's international reputation as a research-intensive university where world-renowned research talents are drawn together to set up base.

We offer broad-based and multi-disciplinary curricula that include engineering, life sciences, communications, arts, business, humanities and the social sciences. The wide array of programmes includes global education and



immersion programmes with the top-notch universities such as MIT, Tokyo University, Peking University and Indian Institutes of Technology. The global exposures will help you to develop your abilities and qualities to respond swiftly to market needs in today's dynamic global economy; these experiences will also enhance your value and provide you an excellent opportunity to build a career and forge many long-lasting business and personal relationships.

Visit our Admissions website to discover the multidisciplinary nature of our degree programmes, the rich array of electives and minors, the research and academic culture, as well as the dynamic and vibrant university community. Our friendly staff will assist you with any information that you might need - feel free to contact us via telephone, email, fax or in person.

We hope to see you on campus soon!

College Of Engineering



As one of the largest engineering colleges in the world with 6 constituent Schools, 16,000 students, 600 faculty and 1,200 non-faculty staff, the College of Engineering offers a rich array of multidisciplinary programmes and specialisations catering to the varied interests, talents and career aspirations of students.

We aim to nurture well-rounded engineer leaders who are flexible across disciplines and not limited by national boundaries. The holistic and versatile education you receive at the College gives you a strong and sustainable foundation for an exciting future, diversity in engineering professions and global leadership.

All the engineering programmes are accredited. For some, we are seeking renewal of accreditation under the new Washington Accord through the Engineering Accreditation Board within the Institution of Engineers, Singapore. For newer programmes, we have obtained provisional accreditation. Full accreditation can only be considered after two batches of students have graduated.

School of Chemical and Biomedical Engineering



Comprising the Division of Chemical and Biomolecular Engineering and the Division of Bioengineering, the School of Chemical and Biomedical Engineering (SCBE) aims to train a new generation of engineers through a rigorous undergraduate curriculum that integrates principles of engineering with fundamentals of life and chemical sciences.

The school combines modern infrastructure and state-of-the-art research and teaching facilities housed in two buildings totalling 30,000 square metres to provide you with a stimulating learning environment and opportunities to identify and pursue personal and professional goals.

Programmes Offered

- **Bachelor of Engineering in Chemical and Biomolecular Engineering**
This programme amalgamates principles of chemical engineering and life sciences (biology, biochemistry and genetics) to facilitate the development of safe, profitable and environment-friendly processes for the synthesis and manufacture of products from chemical/biological raw materials.
- **Bachelor of Engineering in Bioengineering**
This programme blends modern biological principles with advanced engineering methods in electronics, materials, mechanics, biocomputing and informatics to train high standard engineers for biomedical and biotechnology industries as well as healthcare and clinical services.
- **Double Degree in Bachelor of Engineering (Chemical & Biomolecular Engineering or Bioengineering) & Bachelor of Arts (Economics)**
These five-year programmes, offered by the School of Chemical and Biomedical Engineering and the School of Humanities and Social Sciences, aim to equip you with a strong foundation in the fundamentals of Chemical and Biomolecular Engineering or Bioengineering, as well as in the principles and knowledge of Economics. The combined technical and analytical skills will be highly valued in the competitive economy.



Unique Features

The school provides educational experiences that facilitate you to gain a strong grounding in engineering principles and a thorough understanding of the fundamentals of the biomedical and chemical sciences. You will have the opportunity to undergo multidisciplinary training in emerging areas of relevance to your degree programme. With the rigorous training, you can also look forward to developing good communication and systematic problem solving skills.

Career Prospects

Chemical and biomolecular engineers obtain training in diverse areas and hence possess flexibility to adapt to different industrial sectors, in particular the chemical and pharmaceutical sectors. Graduates can find challenging

opportunities in traditional as well as emerging engineering fields such as petrochemicals, biopharmaceuticals, specialty chemicals, food/flavours/fragrances, nanotechnology and others.

The booming biomedical engineering and sciences sector is slated to be a key engine of Singapore's future growth. Bioengineers, being well-versed in both engineering and biomedical sciences, find attractive opportunities in industries, research institutes, hospitals and organisations that deal with biomedical instrumentation, medical devices, biomaterials, drug discovery and others. Alternatively, they may continue their study in medical schools or top PhD programmes around the world.

School of Civil and Environmental Engineering



As a civil and environmental engineer, you build the world's infrastructure. You erect structures, both modest and magnificent, bring fresh water to the masses, dispose or recycle the wastes they generate, and move people and goods safely and efficiently from one location to another. In the new millennium, civil and environmental engineers will be challenged to find the best solutions to the most pressing problems of society in an environmentally sustainable manner.

The vision of the School of Civil and Environmental Engineering (CEE) is to be a leading school for sustainable built environment. Trained by the School of CEE, you will be at the forefront of tomorrow's civil and environmental engineering standards.

Programmes Offered

- Bachelor of Engineering in Civil Engineering**
 During this four-year course, you can expect a well-balanced curriculum with exposure to the theoretical and practical aspects of engineering practice as well as emphasis on self-exploration and creativity.
- Bachelor of Engineering in Environmental Engineering**
 Environmental Engineering concerns with the application of science and engineering principles for the management and protection of our environment. This programme offers you a comprehensive, multidisciplinary and professionally oriented learning experience that will grant you a good foundation in preparation for a challenging career in Environmental Engineering.
- Double Degree in Bachelor of Engineering (Civil Engineering or Environmental Engineering) & Bachelor of Arts (Economics)**
 These five-year programmes offered by the School of CEE and the School of Humanities and Social Sciences will give you a greater appreciation of both engineering and economic environments and offer you unparalleled prospects in today's competitive business landscape. Armed with two honours degrees, you will be able to choose from a plethora of careers in civil/environmental engineering, financial and business services industries.
- Bachelor of Science in Maritime Studies**
 The Maritime Studies Programme is a four-year programme with a primary focus on shipping, business management, maritime science and technology. In your third year, you will travel to Norway to study at the Norwegian School of Management (BI) for a semester.
- Bachelor of Science in Maritime Studies with Business Major**
 The School of CEE offers a double major programme, which combines BSc (Maritime Studies) with a Business Major from the Nanyang Business School. You will benefit from these programmes' cross-disciplinary approach and strong industry support, enjoying expanded career options and enhanced employability.

Unique Features

At the School of CEE, you are provided with a comprehensive and broad-based education that emphasises critical thinking and communication skills, preparing you for successful engineering practice, advanced studies, professional responsibility and life-long learning. The research you conduct will contribute to both the civil and environmental engineering industries and society by advancing the profession and improving the quality of life.

Career Prospects

Civil Engineering graduates can look forward to a wide range of career prospects in fields like infrastructure planning and development, project procurement and management, water resources engineering, while Environment Engineering graduates can advance into areas of environmental technologies development, water and wastewater treatment, wastewater reclamation and reuse, membrane technologies, and desalination and resource recovery. Graduates from our Maritime Studies programme can look forward to global maritime careers to complement Singapore's drive to become an international maritime centre.

School of Computer Engineering



Be an asset to the IT and related industries with skills in line with the development of the latest information technology. At the School of Computer Engineering (SCE), our practical programmes combine a distinctive blend of theory and practice with critical hands-on experience, project-based learning, communication and professional skills enhanced through carefully selected industrial attachments to give you a leading edge when you enter the workforce.

The learning culture of the school instils in our students the readiness and mental toughness for a lifelong of learning and upgrading of skills. Our degree programmes are based on the recognition that it is essential for you to be ready to meet goals and rise to challenges as part of a global workforce.

Programmes Offered

- **Bachelor of Engineering in Computer Engineering**

You will gain a broad knowledge of programming and electronics and develop specialist skills in software and firmware design as well as hardware interfacing. By graduation, the combination of sound knowledge and practical skills you would have attained will stand you in good stead for a career in industry and commerce.

- **Bachelor of Engineering in Computer Science**

The Computer Science curriculum trains you to apply computing technology efficiently through the design of efficient algorithms and data structures, design methodologies and language paradigms. There is also an emphasis on the practical design of efficient and reliable software to meet given specifications.

- **Double Degree in Bachelor of Engineering (Computer Science) & Bachelor of Business (Information Technology)**

This hybrid curriculum has been specially prepared to seamlessly integrate both computing and business

elements. In this four-year double degree programme from the School of SCE and Nanyang Business School, you will be trained in the fundamentals and the combined application of technical and soft skills of business and computing.

- **Double Degree in Bachelor of Engineering (Computer Science or Computer Engineering) & Bachelor of Arts (Economics)**

These five-year programmes offered by the School of SCE and the School of Humanities and Social Sciences will give you a greater appreciation for both engineering and economic environments and offer you unparalleled prospects in today's competitive business landscape. Armed with two honours degrees, you will be able to choose from a plethora of careers in infocomm, financial and business services industries.

Unique Features

- **ELITE**

Distinct to the School of SCE, you will be able to participate in the ELITE (Enhanced Learning in Infocomm Technology) Programme. Together with IDA and its industry partners, this programme seeks to provide undergraduates the opportunity to sharpen their skills through a variety of activities that seek to complement a classroom-based learning experience. These include industrial mentorship, enrolment in IDA-approved certification courses, etc.

- **IDA's National Infocomm Scholarship**

Students admitted into the School of SCE are eligible to apply for IDA's National Infocomm Scholarship. The National Infocomm Scholarship is sponsored by Infocomm companies such as IBM, Microsoft, Intel, Oracle, DBS, SingTel and StarHub. You can look forward to internships with your sponsoring company, and the opportunity to work in the company when you graduate.

Career Prospects

As an SCE graduate, you can look forward to an exciting career in consultancy, research & development, project management, sales & marketing, engineering technology, infocomm industry or end-user organisations in a wide variety of industries. Our graduates can be found in various companies such as Lucasfilm Singapore, Singapore Technologies group of companies, Singapore Airlines, Credit Suisse, JP Morgan, Motorola, Hewlett Packard, Boston Consultant Group, SingTel, StarHub, IBM, Ubisoft and more.

School of Electrical and Electronic Engineering



Whether you aspire to be an engineer, an entrepreneur, a banker or even a social scientist, we at the School of Electrical and Electronic Engineering (EEE) have exactly the environment and training that you will need to make your education “future-proof”. Gain a degree in Electrical and Electronic Engineering from one of the largest EEE schools in the world today. Built on a tradition of excellence, the School is renowned for its high academic standards and strengths in research. During your studies, you will benefit from the state-of-the-art equipment and teaching facilities, and the most modern, fully-equipped research laboratories.

Programmes Offered

- **Bachelor of Engineering in Electrical and Electronic Engineering**
This four-year degree programme has the primary objective of providing professional training in electrical, electronic and information sciences and engineering. The programme is internationally renowned for its high academic standards and strong research orientation.
- **Bachelor of Engineering in Information Engineering and Media**
Engineers and artists tend to think and view things differently. This four-year multidisciplinary programme aims to change this by cultivating in students the twin perspectives of engineers and artists. This programme is hosted by the School of EEE and jointly offered with the School of Art, Design and Media, School of Computer Engineering, and Wee Kim Wee School of Communication and Information.
- **Double Degree in Bachelor of Engineering (Electrical and Electronic Engineering or Information Engineering and Media) & Bachelor of Arts (Economics)**
These five-year programmes offered by the School of EEE and the School of Humanities and Social Sciences will give you a greater appreciation for both engineering and economic environments. Armed with two honours degrees, you will be able to choose from a plethora of careers in electrical & electronic engineering, as well as in the information, media, financial and business services industries.

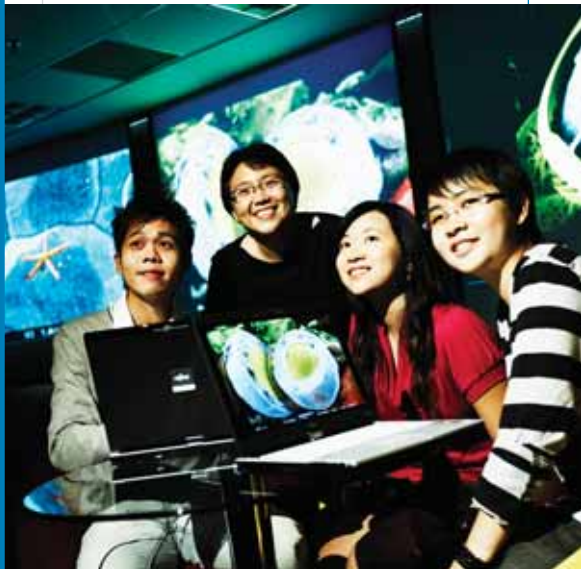
Unique Features

The School's world-class faculty of close to 200 comes from backgrounds as diverse and varied as science, engineering, technology, business and humanities. Besides inspiring students with their lectures, the faculty members are actively involved in research and development programmes with top universities, research institutions and multinational companies, both locally and overseas.

Career Prospects

A EEE degree offers a wide range of career possibilities in aviation, biomedical, control and automation, defence engineering, IC manufacturing, Internet services, optoelectronics, power generation and smart energy distribution, interactive and digital media, software & telecommunication services and wafer fabrication.

School of Materials Science and Engineering



With the increasing demand for materials engineers, the School of Materials Science and Engineering (MSE) has now flourished into one of the world's largest materials engineering institutions. As a student, you will be provided with an integrated science-driven and application-oriented engineering education in advanced materials for cutting-edge technologies. You will be equipped with the competency and knowledge in all aspects of materials such as biomaterials, ceramics, defence materials, functional materials, polymer electronics and nanomaterials. You will understand how materials can be processed and modified to make the products of modern technology more durable, faster, lighter and better suited to human needs.

Programmes Offered

- **Bachelor of Engineering in Materials Engineering**

This full-time four-year undergraduate programme leads to the degree of Bachelor of Engineering (Materials Engineering). In Year 1, you are given a broad education in all important aspects of science and engineering studying the similar courses as Year 1 students of other engineering disciplines. The fundamentals of materials science, processing, characterisation and applications of materials will be introduced in the second and third years, together with the opportunity to undergo an industrial attachment. In Year 4, you are given the options to do advanced topics that lead to specialisation in various areas of materials engineering.

- **Double Degree in Bachelor of Engineering (Materials Engineering) & Bachelor of Arts (Economics)**

This five-year programme offered by the School of MSE and the School of Humanities and Social Sciences will give you a greater appreciation for both engineering and economic environments and offer you unparalleled prospects in today's competitive business landscape. Armed with two honours degrees, you will be able to choose from a plethora of careers in materials science and engineering, financial and business services industries.



Unique Features

MSE students are provided with a solid foundation in the study of the structure, properties and behaviour of materials. Intensive courses are incorporated to train you in specialised competencies using sophisticated characterisation and analysis facilities. You can also enjoy the options to study and participate in the development of the next generation of advanced materials for defence, clean energy and nuclear technologies. In addition to the comprehensive training, the School's excellent mentoring system, with dedicated academic counsellors, will guide you throughout your undergraduate candidature.

Career Prospects

Materials Engineers are continually in high demand by industry all over the world for important positions in the aerospace, biomedical, defence, electronics, manufacturing, petrochemical and research sectors. Employers are impressed by the knowledge, expertise and calibre of MSE students. As one of our graduates, you could be employed by organisations like Shell, ExxonMobil, BASF, Ciba Vision, Essilor, Hewlett Packard, 3M, DSO, Chartered Semiconductor Manufacturing, ST Microelectronics, Advanced Micro Devices, Monetary Authority of Singapore and leading financial and educational institutions.

School of

Mechanical and Aerospace Engineering



If you are seeking a stimulating environment to learn the craft of Mechanical and Aerospace Engineering (MAE), this highly established engineering school is the right choice for you. Its team of over 140 faculty hails from renowned universities worldwide and together, they cover some of the most sought-after fields of engineering, including aerospace, manufacturing, mechatronics, innovative design, nanotechnology, biomedical and informatics applications.

You will have access to extensive state-of-the-art facilities. These include numerous teaching and research laboratories like the Main Aircraft Laboratory, which is home to, among other things, a Skyhawk aircraft (courtesy of the Republic of Singapore Air Force), a flight simulator and a wind tunnel.

Programmes Offered

- **Bachelor of Engineering in Aerospace Engineering**
You will learn the design, optimisation and construction of flight vehicles under five basic clusters: Aircraft Design and Manufacturing, Aerodynamics, Propulsion and Performance, Aircraft Maintenance and Reliability, Aircraft Materials and Structures, and Avionic Systems Engineering.
- **Bachelor of Engineering in Mechanical Engineering**
This broad-based multidisciplinary programme allows you to pursue a mainstream Mechanical Engineering degree or an in-depth specialisation in Design or Mechatronics from the second year of study. The Mainstream programme offers eight final-year specialisations including: Aeronautical Engineering, Biomedical Engineering, Energy & the Environment, Innovative Design, Mechatronics & Control, Manufacturing Engineering, Systems Engineering, and Marine & Offshore Engineering.



- **Double Degree in Bachelor of Engineering (Aerospace Engineering or Mechanical Engineering) & Bachelor of Arts (Economics)**
These five-year programmes, offered by the School of MAE and the School of Humanities and Social Sciences, aim to equip you with excellent knowledge and competency in Mechanical or Aerospace Engineering and Economics. Armed with two honours degrees, you will be able to choose from a range of careers in aerospace engineering, mechanical engineering, financial and business services industries.

Unique Features

- **Product Development Challenge (PDC) - NEW!**
Product Development Challenge is an elective in which students work in a team to take on an open ended project to develop a product, such as a racing car or a football playing robot, and have the opportunity to participate in an international competition subsequently. It is mutually exclusive from Industrial Attachment.
- **Engineering Innovation and Design (EID) Programme**
This innovative programme gives MAE students the opportunity to develop their high-technology business venture and present it to a panel of industrialist and venture capitalists.
- **Leadership Development Programme (LDP)**
Available only to the School of MAE, this programme provides students with plenty of opportunities to participate in enrichment

seminars, forums, workshops on personal development and political awareness organised by the School, University or selected external organisations.

Career Prospects

Upon graduation from one of our rigorous multi-disciplinary programmes, you will find yourself well equipped for appointments in, at least, the following areas: Aircraft design and manufacturing, aerospace consulting, aircraft operations and maintenance, aviation regulation, defence science, logistics, manufacturing, marine and offshore engineering, pharmaceutical, petrochemical and biomedical, product design, project planning and management, power generation and distribution.

College Of Science



At the College of Science, you will learn to explore, discover and understand nature; you will be a seeker of truth and beauty through theory, experimentation and simulation. You will develop strong skills in reasoning, quantitative and qualitative problem solving and good communication. By the time you graduate, you will be a scientist or mathematician that employers will value and demand.

Our curricula and standards for the various disciplines are modelled after those of the best universities in the world. You can choose from a broad spectrum of three- to four-year direct Bachelor of Science Honours degree programmes, and as a more able student, you can go on to pursue a Doctor of Philosophy degree by research. You may also qualify for the CN Yang Scholars Programme – NTU's premier undergraduate programme for science and engineering students.

School of Biological Sciences



At the School of Biological Sciences, you will benefit from a truly international education in cutting-edge Biomedical and Life Sciences. With faculty originating from over 17 different countries, we immerse you in an enriching culture of knowledge. You can look forward to stimulating and challenging curricula that meets the discerning demands of both the Life Sciences and Biomedical industries worldwide.

Programmes Offered

• Bachelor of Science (Honours) in Biological Sciences

In the first year, you will receive strong grounding in the disciplines of chemical biology, structural and computational biology, molecular and cell biology, and genetics and genomics. You will then go on to specialise and focus on current topics such as neurobiology, cancer biology, immunology, infectious diseases, stem cell biology and drug discovery. In the final year, you will undertake full-time project work for an entire semester, entering into either laboratory-based research or other key areas within the Life Sciences industry.

• Double Degree in Bachelor of Science (Honours) in Biomedical Sciences & Bachelor of Chinese Medicine (中医学学士学位)

This unique five-year double degree programme elegantly blends the western approach to Biomedical Sciences with Traditional Chinese Medicine. The Bachelor of Science (Honours) in Biomedical Sciences component is taught in English and is conferred by NTU while the Bachelor of Chinese Medicine (中医学学士学位) is conducted in Mandarin and is conferred by the Beijing University of Chinese Medicine (BUCM). You will spend the first three years of your studies at NTU, and the final two years at the Beijing University of Chinese Medicine (BUCM) in the People's Republic of China.



Unique Features

• Early start in real research

If you have a keen interest in research, you can start developing your skills in real research laboratories as early as the second year.

• Accelerated Bachelor of Science (Honours) Programme

As an academically outstanding undergraduate student, you will be invited to join the accelerated programme which fast-tracks the completion of your Bachelor of Science (Honours) in Biological Sciences in three and a half years.

Career Prospects

Upon graduation you will be equipped with practical and cutting-edge knowledge which will open doors in research and development, administration and management, scientific journalism and communication, medical sales and support services, diagnostic services, and marketing, to name just a few.

School of Physical and Mathematical Sciences



The School of Physical and Mathematical Sciences (SPMS) recognises that the most exciting sciences and challenging problems of the 21st century will shift from the traditional to merging disciplines, and as such aims to educate a new generation of graduates who are driven by and enjoy questions at the interface of the sciences. Join us and you will gain a broad understanding and appreciation across disciplines and in-depth knowledge in your discipline of choice: mathematics, physics, or chemistry that will stand you in good stead in the global economy.

Programmes Offered

- **Bachelor of Science (Honours) in Chemistry & Biological Chemistry**

As a budding chemist, you will undergo rigorous training based on the American Chemical Society Curriculum. In addition to the core contents covered in our BSc (Hons) degree, you may also opt for concentrations in areas of Green Chemistry, Medicinal Chemistry and Food Science and Technology.

- **Bachelor of Science (Honours) in Mathematical Sciences**

Following 18 months of common courses designed to build a strong foundation you will go on to specialise in one field of expertise.

- **Bachelor of Science (Honours) in Mathematics & Economics**

Develop the skills most sought after by the financial services industry as you study the core of a full degree in both Mathematics and Economics. On the Mathematics side, the emphasis in the later years of study will be on numerical, computational, and statistical methods. On the Economics side, you will study courses based on quantitative techniques, as well as courses with a more descriptive flavour.

- **Bachelor of Science (Honours) in Physics**

The Physics degree is designed to equip you with solid analytical and computational skills, whilst providing strong experimental training. You may also opt for a concentration in Nanotechnology, or any of the proposed concentrations in Condensed Matter Physics, Physics of Complex Systems, as well as Mathematical Physics.

- **Bachelor of Science (Honours) in Applied Physics**

The Applied Physics degree emphasises the physical principles that are critical in driving frontier technology and applied research. You may opt for concentrations in Nanotechnology, Semiconductor Technology, Optical Technology, and Biophysics, or obtain a degree in Applied Physics with Innovation and Technopreneurship (APITech).

Unique Features

This is the only 3- to 4-year direct Honours programme in Chemistry, Physics, Mathematics and Physical Sciences in Singapore. It is a selective programme where ABB and above grades at A-level, or equivalent, are preferred.

Career Prospects

As a graduate, you can look forward to a wide range of exciting career options in the private and public sectors in Singapore and abroad. These include exciting careers in hi-tech industries like pharmaceutical and chemical, banking & finance, defence, I.T. and telecommunications, medicine and genomic biology.

Nanyang Business School



At Nanyang Business School (NBS), you will find a whole new world opening up to you. You will acquire more than a great globally relevant business education. This is where you will emerge well-equipped with real world knowledge as well as critical soft skills including problem-solving, communication, cultural intelligence, negotiation and leadership. This is where you will build relationships and networks, develop new interests and insights, widen perspectives. With our innovative, stimulating and highly realistic learning environment, well-renowned faculty, strong alliances with the world's leading institutions, extensive corporate networks, and commitment to both rigour and relevance, Nanyang Business School is where you will be enabled to apply your knowledge to a wide range of real-world situations and to make significant contributions to organisations. This is where you will be ready to achieve your own measure of success in the real world.

NBS is one of Asia's top business schools and one of only five business schools in Asia to be awarded accreditation by both

the Association to Advance Collegiate Schools of Business (AACSB) and European Quality Improvement System (EQUIS). Accreditation by AACSB and EQUIS represent the highest standards of achievement for business schools worldwide. Only business schools that are able to continuously pass a strict set of standards that are designed to ensure quality will be accredited. Our MBA programme was ranked first in Singapore and world's 24th by the Financial Times Global MBA rankings in January 2009.

The rigorous curricula, relevant to business practice, are taught under the guidance of nurturing professors who not only impart theoretical knowledge but also critical skills to meet the demands of the social and business environment.

NBS alumni networks span across 40 countries with many holding leadership positions. These extensive networks offer a rich resource for curriculum internships and graduate recruitment.

Programmes Offered

• Bachelor of Accountancy

Regarded as the region's most established programme, the three-year direct honours Accountancy degree is recognised as a professional accounting qualification in Singapore by the Institute of Certified Public Accountants of Singapore and the Accounting and Corporate Regulatory Authority. It is also one of only five outside of the United States to be awarded the AACSB accreditation in Accounting. In addition, it is accredited by these institutes for entry into their respective programmes: Institute of Chartered Accountants in England and Wales, Institute of Chartered Accountants in Australia, CPA Australia, Association of Chartered Certified Accountants and Chartered Institute of Management Accountants.

Partnering top U.S. accounting programme at the University of Illinois, Urbana-Champaign, for the last eight years, NBS has integrated their breakthrough "Project Discovery" to radically transform the way accounting is taught. Active learning methods based on real-world cases and projects are emphasised to develop critical thinking and communication skills. With rich and continuously updated course content, we have a rich heritage of developing strategic thinkers and business leaders.

• Bachelor of Business

This rigorous and broad-based three-year accelerated honours programme is among the top business programmes in Asia. With the pragmatic, real-world focus, you will gain global perspectives, creativity, critical and analytical skills. The team-based projects, presentations, simulations, and integrative case studies ensure you will be ready to meet the demands of the business world.

This programme offers six cutting-edge and industry-relevant majors, giving students an advantage in career choices and valued substantive expertise, matched with their aptitude and interests:

Actuarial Science: recognised by the U.K. Institute of Actuaries (IOA), qualifies our Actuarial Science students for up to eight exemptions from level one examinations offered by IOA.

Banking & Finance: recognised as a CFA (Chartered Financial Analyst) programme partner, giving our Banking & Finance students a head-start in their preparation for the CFA qualification.

Human Resource Consulting: the only HRC major unique to the Asia-Pacific region in training HR professionals for strategic roles in human capital development for competitive advantage.

Information Technology: provides for a SAP Business Process Partner certification; combines and synergises IT competency with business domain knowledge to meet today's business needs.

Marketing: curriculum boasts a strong global perspective and real-world orientation.

Tourism & Hospitality Management: launched with support from Singapore Tourism Board; designed to meet the challenges of a growing and emerging tourism & hospitality industry.

• Double Degree in Accountancy & Business

Leveraging on the synergies and strengths of our renowned Accountancy and Business programmes, this 3.5 to 4-year double degree programme with direct honours effectively equips graduates with multiple skill sets and knowledge to succeed in the complex and challenging world of business. Other programme features of this double degree include:

- 8-10 week professional attachment to industry
- Applied Research Project (ARP) to integrate and synthesize the in-depth knowledge gained through core courses and broad-based cross disciplinary electives
- Undergraduate Research on Campus (URECA), a university-wide programme to cultivate a research culture amongst the most able undergraduates in NTU
- Flexible curriculum and choice comprising university minors, wide ranging electives, international exchange opportunities, etc.

• Double Degree in Business & Computer Science

This fusion of 2 different programmes – Business and Computer Science – allows students to broaden their scope and leverage on a kaleidoscope of career opportunities. Jointly offered with NTU's School of Computer Engineering, graduates of this 4-year double degree programme will graduate with the degrees of Bachelor of Business (Information Technology) and Bachelor of Engineering (Computer Science). Its comprehensive and well-rounded curriculum hones students' business management skills and also equips them to excel at software application and development.



Career Prospects

NBS graduates are highly sought after by employers for their acute problem-solving skills and the ability to apply knowledge, think analytically and creatively. They are also valued for their adaptability, leadership qualities as well as effective teamwork. Held in high regard by many employers, our graduates have found success in major local and international organisations

such as Barclays Capital, Boston Consulting Group, British Petroleum, CapitaLand, Citibank, Credit Suisse, Deutsche Bank, Economic Development Board (EDB), IE Singapore, Intercontinental Hotel Group (IHG), JPMorgan, P&G, PricewaterhouseCoopers, QBE Insurance, Shell, Singapore Exchange, UBS and Watson Wyatt.

College Of Humanities, Arts, And Social Sciences



At the College of Humanities, Arts, and Social Sciences, you have the opportunity to work both within and beyond your primary discipline, and at the exciting fringes of where disciplines meet.

The College is committed to offering a stimulating education in several major disciplines located in three distinct schools: the School of Art, Design and Media, Singapore's first professional art school to offer degree programmes in art, design and interactive digital media; the Wee Kim Wee School of Communication and Information, Asia's top school in mass communication; and the School of Humanities and Social Sciences, an energetic school offering a well-rounded multidisciplinary education in the humanities and social sciences. You will find the College a place where diversity, commitment and the spirit of intellectual adventure are encouraged and nourished.

School of Art, Design and Media



The School of Art, Design and Media (ADM) plays a significant role in transforming Singapore into a cosmopolitan nation and global media city. Our interdisciplinary programmes are designed to mould creative individuals into outstanding object and product designers, photographers, animators, filmmakers, game artists and designers, interaction designers and new media artists, advertising and visual communication designers, performers and even entrepreneurs and business leaders. In essence, we liberate imaginative minds to unleash breakthrough art design as an integral part of life.

Housed in the new "green" Art, Design and Media building, the school is equipped with exceptional hands-on studio, digital creation laboratories, media studios, similar to spaces used by industry practitioners.

ADM's international faculty is a collective of talented, dedicated arts, design and media practitioners and scholars who have been picked for their extensive backgrounds in their fields of expertise.

Programmes Offered

- Bachelor of Fine Arts in Digital Animation**
 This is an advanced programme focusing on animation in all its forms. The curriculum allows you to choose from areas of concentrations including 2D hand-drawn animation, 3D character animation, stop-motion, experimental animation and creative visual effects. The programme is structured to give you the conceptual and creative tools necessary to your development as an animator of world-class calibre.
- Bachelor of Fine Arts in Digital Filmmaking**
 This programme offers a comprehensive education in the theory and practice of narrative film production, providing you with a complete foundation in existing cinematic and production techniques as well as encompassing new technologies. With the latest resources in digital filmmaking at your disposal, you will be nurtured to lead the challenge of the next generation.
- Bachelor of Fine Arts in Photography and Digital Imaging**
 Prepare to explore traditional, experimental, and technological genres of imaging through the photographic medium and learn techniques from established darkroom techniques to cutting-edge digital practices.
- Bachelor of Fine Arts in Interactive Media**
 Designed to cultivate the conceptual and practical skills expected of a first-rate multidisciplinary creative artist, the course focus is threefold: interactive installation and device creation; game design, and scenography and interactive theatre design. In the practical component, you can expect to create works with video and sound, design and execute virtual and real stage settings for live actors and dancers, and create a computer game from conception to completion.
- Bachelor of Fine Arts in Product Design**
 Through close interaction with faculty and working in a dynamic laboratory and workshop environment, you will gain the experience, knowledge and vision to create innovative works of strong conceptual value.
- Bachelor of Fine Arts in Visual Communication**
 No longer restricted to just print and packaging, contemporary visual communication practice has grown to include motion graphics, environmental graphics, interactive and web design. You will be nurtured, through process and critical thinking, to become a versatile designer and future innovator of visual communication in Singapore and the world.

Unique Features

- "Design thinking" process**
 This approach fosters a maximum of input and participation, eliminates the fear of failure and leads to creative and effective designed solutions.
- Professional internship & Overseas exchange programmes**
 Gain first-hand industry training and experience under the supervision of professors and industry practitioners in Singapore and gain opportunities to spend up to six months at leading overseas universities in top Design and Media schools in the United States, Australia, the United Kingdom, China, India and more.

Career Prospects

Film production, Visual effects, Cinematography, Character animation, Layout Storyboarding, Motion Graphics, Commercial Photography, Photojournalism, Game Design, Multimedia, Industrial Design, Furniture Design, Intelligent Object Design, Graphic Design, Art Direction, Advertising, Corporate Identity/Branding and Web Design.

School of Humanities and Social Sciences



Whether you are looking to work in the creative industries or social work is your calling, the School of Humanities and Social Sciences (HSS) provides the tools to make it happen for you. As a student of HSS, you will be challenged to question, analyse, reflect, and create in a specifically designed curriculum that values curiosity and commitment, rigour and resourcefulness.

HSS offers a wide range of majors and minors, and we are confident that there will be something that meets your needs and passions. With a degree from HSS, you will find that you develop skills that do not limit you to one specific job for life, but equip you with invaluable talents that will make you valuable in a variety of different careers.

Programmes offered

• Bachelor of Arts (Honours) in Chinese

This four-year programme provides you with a concrete foundation for the reading of both classical and modern texts, core competency in essential areas of the language as well as education and training that prepares you for specialised reading in Chinese literature, language and studies.

• Bachelor of Arts (Honours) in Economics

This four-year programme aims to equip you with strong analytical tools in Economics yet remains applied and policy oriented. As a student of the social science of Economics, your learning will be framed within the context of real-world issues like banking, finance, globalisation, poverty, education, health and the environment. This versatile discipline trains you to be a logical, rational and rigorous thinker, preparing you for a wide range of careers in both the private and public sectors upon graduation.

• Bachelor of Arts (Honours) in English Literature

This four-year direct honours programme includes study in both traditional areas of English literature and contemporary innovative approaches to the subject. You will be able to choose multiple areas of specialisations in a variety of elements including comparative literature, Singapore and international Asian literature, dramatic literature, critical and literary theory, cultural studies, film studies, post modernism and gender studies.

• Bachelor of Arts (Honours) in Linguistics and Multilingual Studies

The interdisciplinary nature of this direct honours degree programme furnishes you with a solid education through learning about language in a broad range of disciplines including Communication, Philosophy, Psychology, Computer Science and Education.

• Bachelor of Arts (Honours) in Psychology

Psychology is the scientific study of human behaviour. Our programme provides students with a solid grounding in the basics of psychology, complementing studies in a variety of subjects including business, cultural studies, economics, linguistics, sociology, life sciences and medicine. Moreover, there will be plenty of opportunities for students to conduct research in major areas of psychology.

• Bachelor of Arts (Honours) in Sociology

Through this exciting, lively and rigorous four-year degree programme, you will develop valued critical thinking and analytical skills and in-depth understanding of social organisations, culture and other social phenomena, rendering you a highly desired candidate for a large variety of job openings in both the public and private sectors.

• Double Degree in Bachelor of Engineering (Honours) and Bachelor of Arts (Honours) in Economics

The five-year direct honours programme is jointly offered by the College of Engineering and HSS and aims to equip you with an advanced understanding of the integrative relationship between engineering and economics. With excellent knowledge and competency in engineering and economics, you will be eligible for a diverse choice of careers.

• Combined Degree in Bachelor of Science (Honours) in Mathematics and Economics

In the pursuit of financially rewarding and challenging careers, many graduates become part of, and excel in the thriving and robust finance industry in Singapore. As such, the School of Physical and Mathematical Sciences and HSS jointly offer a Joint Honours programme, BSc (Honours) in Mathematics and Economics. Equipped with the appropriate knowledge and skills, you, too, will be eligible for careers in the financial sector.

Unique Features

• HSS Professional Attachment Programme

HSS also offers the HSS Professional Attachment Programme, which exposes you to the working world through internships and professional attachments and places you in a better position to compete in the job market after graduation.

Career Prospects

HSS opens doors to a wide variety of careers. Your new-found skills are much in demand in institutions such as banks, civil service, education, social work, journalism, advertising, publishing, human resources, management, public administration, arts administration and creative industries.

Wee Kim Wee School of Communication and Information



Be part of the learning process at the Wee Kim Wee School of Communication and Information (WKWSCI), one of Asia's best in communication education and research. As a student of WKWSCI, you can follow in the footsteps of the many WKWSCI media graduates who have significantly contributed to the media scene locally and overseas.

The School's established ties with the local industry, and strong international links with elite communication and information partners ensure a curriculum that is highly relevant and richly rewarding. You have the choice of five Divisions offering a selection of communication courses that include Journalism and Publishing, Broadcast & Cinema Studies, Public and Promotional Communication, Communication Research, and Information Studies.

Programmes Offered

• Bachelor of Communications Studies (Honours)

The four-year curriculum is an invigorating first step into the exciting and dynamic world of media communication. A part of your studies, you will enjoy opportunities for exchange study trips to renowned universities in the United States, Europe, Australia and Asia. A Professional Internship with major local and overseas media players further broadens your experience and allows you to start building important industry contacts. Choose from six different concentrations to follow your unique passion:

- Broadcast and Cinema Studies
- Advertising
- Public Relations
- Journalism
- Communication Policy and Research
- Interdisciplinary



Unique Features

A career in media is an exciting and rewarding prospect. At WKWSCI, you'll learn the ropes from seasoned professionals, and acquire what it takes to succeed in media. From journalism to public relations, from TV production to information technology, you will pick up an essential grasp of what media is completely about. We don't believe in mere theoretical education. We have plenty of modern, state-of-the-art facilities to complement your learning process. TV Studios, Radio Production Studios, Focus Group Rooms - we have every tool needed to prepare you for a successful career in media.

Career Prospects

Your education at WKWSCI will lead you to a Bachelor of Communications Studies (Honours) degree. Our curriculum is designed to equip you with the skills relevant for a full range of careers in media. A sample of careers you can gain entry to, upon graduation are:

Journalism:

- Reporter, Columnist, Editor, Photojournalist, Publisher, News Analyst, International Correspondent.

Broadcast and Cinema Studies:

- Producer, Director, Broadcast Reporter, Interactive Media Coordinator in Media, Business, Industry and Government.

Advertising and Public Relations:

- Public Affairs Manager, Media Planner, Creative Director, Marketing Consultant and Specialist.

Communication Policy and Research:

- Media Consultant, Public Opinion & Consumer Researcher, Media Audience Analyst, Research Manager in Public and Private Organisations.

National Institute of Education



The National Institute of Education (NIE) is an integral part of the Singapore education system and a leading teacher education institution in the world. NIE not only prepares new teachers, provides ongoing professional development to existing teachers and school leaders, but also conducts extensive education research.

Expanding her wings beyond local shores, NIE, Singapore, is also lauded for programmes such as Management and Leadership in Schools (MLS) and Leaders in Education (International) (LEPI) by overseas education leaders.

NIE's aim is to develop education professionals who embrace the philosophy of being leaders in the service of learners.

Programmes Offered

• Bachelor of Arts (Education)/Bachelor of Science (Education)

The degree programmes integrate academic content with a strong foundation in the field of education. Graduates are equipped with the knowledge and skills to excel in careers, both in education and academic discipline-related fields.

The Bachelor of Arts (Education) and the Bachelor of Science (Education) are four-year programmes that offer a wide range of academic subject choices as well as opportunities for student teachers to specialise in either primary or secondary school teaching tracks.

Unique features

• Group Endeavours in Service Learning

Group Endeavours in Service Learning brings together different groups of students at NIE for community involvement projects. These projects help develop character and leadership potential through service learning.

• Teaching Practice

Teaching practice, or practicum, is an "internship" that is directly relevant to a career in teaching. The extensive field experience & supervision during teaching practice in Ministry of Education (MOE) schools exposes student teachers to the realities of the classroom and helps them hone their teaching skills.

Career Prospects

Graduates of NIE's degree programme are fully qualified education professionals, able to nurture and groom young minds and talents for the nation. The skills gained in the programme are much in demand within MOE, in independent schools and within the private sector.

Sport Science and Management



With the push towards becoming a regional hub for sport development and innovation, the growth of Singapore's sport industry is imminent. In order to support the increasing need for qualified sport professionals in Singapore, the Sport Science and Management (SSM) programme has been formulated.

The SSM programme is the only local degree programme in Singapore that offers both academic and professional pathways to sport-related careers.

The four-year full-time direct honours degree programme provides practical knowledge in sport science and management and helps develop pertinent skills for engagement in the sport industry.

The expertise of the faculty is drawn from both the relevant colleges in NTU and the Academic Group of Physical Education and Sports Science in NIE. This collaboration ensures unsurpassed education and mastery of the subjects that are taught in the programme.

SSM is specifically conceptualised to meet the professional needs of the sport industry in Singapore and the region. The objective of the programme is to train qualified sport professionals who are well-equipped in the study of sport management and who also possess the necessary soft skills to develop human resources in the areas of exercise and sport science.

Students of the programme will be provided with relevant research and appropriate industry experience via the academic project and the internship programme during their studies. They will also benefit from a rich undergraduate experience with an academic broadening component chosen from amongst arts, humanities & social sciences, science, technology and society, business and management.

With the state-of-the-art sport science laboratories as well as other facilities at NTU, and taught by well-qualified academic staff, SSM promises an excellent learning experience that prepares students for exciting careers in the sport industry.



Career Prospects

Graduates can look forward to professional careers in the sport and leisure industry as sport administrators, sport/event managers, sport scientists/researchers, sport/fitness trainers or coaches, sport writers, and marketers in Singapore and in the region.

Campus Life



An integral part of an enriching university experience is living on campus. It gives you more opportunities and an environment more conducive to hone leadership and social skills. Our hall environment also encourages better interaction among students and helps build strong identity and bonding. Get ready to immerse yourself in the pulsating, energetic vibe of campus life at NTU.

Come 2010, NTU's main 200-hectare Yunnan Garden campus – housing Singapore's largest on-campus residence infrastructure – will be transformed into the Youth Olympic Village for the inaugural Youth Olympic Games.

Residential Learning

Our on-campus residence infrastructure that dots the sprawling campus ground is one of the largest in the world with 16 Halls of Residence that accommodate over 9,200 local and international students. All first-year undergraduates are guaranteed a place to get a first-hand experience of NTU's vibrant campus life.

Student Activities

Participating in extra-curricular activities is one way to appreciate what campus life is about. Planning and participating in activities is more than having fun. At the end of the day, you will pick up useful event management skills, expand networking capabilities, develop interpersonal relationship competence and most importantly forge strong bonds with fellow undergraduates.

Where else but NTU can you find a range of 100 social, sports, cultural and recreational clubs and societies organised by students, for students.

Sports and Recreation Centre

Life is never a dull moment after lectures and tutorials. Comprehensive indoor and outdoor facilities cater to the numerous intra-campus and inter-varsity games and competitions held on campus while the Nanyang Auditorium is the limelight for diverse art and cultural events.



The Center offers the following facilities:

Indoor: activity rooms, fitness gyms, sports halls, squash courts, indoor bouldering wall, table-tennis room

Outdoor: running track, archery range, basketball courts, cricket pitch, multi-purpose field, multi-purpose courts, sepak takraw courts, tennis courts

Aquatic: swimming pool, diving pool

Global Programmes



Global Programmes is a showcase of NTU global initiatives for our undergraduates to “get ahead” by exploring cultural, classroom and career experiences through various global programmes.

Spurred by our mission of Educating Leaders and Advancing Knowledge for Singapore and beyond, we have developed partnerships with prominent foreign universities and organisations at home and abroad to give you a dynamic global education experience.

iGlobal incorporates 5 programmes:

- Global Immersion Programme (GIP)
- International Student Exchange Programme (INSTEP)
- Global Summer Studies (GSS)
- Overseas Attachment
- Global Discovery Programme

Global Immersion Programme (GIP)

GIP offers you the opportunity to acquire a multi-country education in selected top universities and leading organisations around the world.

This programme allows you to compete successfully by training you to develop relevant capabilities and qualities to have a firm grasp of international relations and respond swiftly in today's dynamic global economy. It will enhance your value, broaden your perspective on global issues, open doors of opportunity for you and allow you to forge many long-lasting business and personal contacts.

GIP provides a choice of immersion around the world, including China, India, Vietnam, Switzerland, France and the United States.

INSTEP

With INSTEP you will have the opportunity to spend a semester or two living and studying abroad. You'll get to enjoy the challenge of stepping out for a real taste of international student life while pursuing your NTU degree. You will return not only with new knowledge, but broader perspectives, increased cultural understanding and lifelong friends. From Mexico to China to South Africa, a world of adventure awaits you.

INSTEP partner universities include:

- McGill University, Canada
- University of Toronto, Canada
- Purdue University, USA
- University of Warwick, UK
- Hong Kong University of Science & Technology, HK

Global Summer Studies (GSS)

Global Summer Studies is a “study-n-play” programme that gives NTU undergraduates the opportunity during their May-July summer break to travel to an overseas university to participate in programmes and earn academic credits at the same time.

Open to all undergraduate students regardless of their year of study, GSS is held at selected partner universities around Asia, Europe and the Americas and offers programmes related to academic coursework, cultural immersion or language instruction.

Some of the benefits of GSS include:

- Earning as many as 8 academic units.
- An immersive experience the academic culture and heritage of the university and country.
- An opportunity to gain global exposure and network with peers and professors at other prestigious universities such as UC Berkeley, Technical University of Munich, Chinese University of Hong Kong, Korea Advanced Institute of Science & Technology, etc.
- No limits on vacancies at universities under GSS (USA).

Overseas Attachment Programme

In Year 2 or Year 3, you will have the opportunity to widen your perspective of the working world through the Overseas Attachment Programme, a unique learning process built on the partnership between NTU and your related industry.

With attachments available in Australia, China, France, Germany, Hong Kong, India, Indonesia, Japan, Malaysia, Nepal, Switzerland, Taiwan, Thailand, the UK and the USA, participation in the Programme will help you to enhance your employability and career mobility worldwide upon graduation.

Global Discovery Programme

Global Discovery Programme is a four-week study and visit programme that aims to give you a broad understanding of emerging economies such as Vietnam, India and the Middle East as potential career options.

Rather than simply presenting and discussing business related issues within the confines of a classroom, the Programme encourages you to make your own evaluation through field trips and networking sessions with local representatives of business houses, management boards and investment firms.

By the end of the Programme you will have gained a sweeping review of the historical evolution of the country/region, its political and administrative system and the economic transformation that is now taking place in each of these places - not to mention the excursions and visits to the many fascinating places of interests.

Scholarships



In recognition of academic excellence and leadership potential, NTU offers a wide variety of scholarships to students based on academic merit, leadership qualities, and outstanding co-curricular activities.

| SCHOLARSHIP | ELIGIBILITY | | |
|---|--|---|---|
| | NATIONALITIES | PROGRAMMES | EDUCATIONAL QUALIFICATIONS |
| ASEAN Undergraduate Scholarship | Citizens of ASEAN countries except Singapore | All undergraduate programmes leading to a first degree | <ul style="list-style-type: none"> Year 12 equivalent results (eg. STPM, UEC & UK 'A' level, etc.) IB Diploma Singapore-Cambridge GCE 'A' level NUS High School Diploma Diploma from one of the polytechnics in Singapore |
| Nanyang Scholarship | All nationalities | All undergraduate programmes leading to a first degree | <ul style="list-style-type: none"> Year 12 equivalent results (eg. STPM, UEC, UK 'A' level & India Standard 12, etc.) IB Diploma Singapore-Cambridge GCE 'A' level NUS High School Diploma Diploma from one of the polytechnics in Singapore |
| OCBC International Undergraduate Scholarship | Citizens of People's Republic China (PRC) and Indonesia | All undergraduate programmes leading to a first degree | <ul style="list-style-type: none"> SMA UAN Gao Kao results & IELTS / TOEFL / SAT1 IB Diploma Singapore-Cambridge GCE 'A' level NUS High School Diploma Diploma from one of the polytechnics in Singapore |
| SembCorp Undergraduate Scholarship | Citizens of Indonesia | Any Science or Engineering undergraduate programmes except Biomedical Sciences & Chinese Medicine | <ul style="list-style-type: none"> SMA UAN Year 12 equivalent results |
| SIA-NOL Undergraduate Scholarship | Citizens of India | Any Science or Engineering undergraduate programmes except Biomedical Sciences & Chinese Medicine | <ul style="list-style-type: none"> Standard 12 Year 12 equivalent results |
| The Khoo Teck Puat Scholarship Programme | People's Republic of China (PRC) and Citizens of Singapore | All undergraduate programmes leading to a first degree | <ul style="list-style-type: none"> Gao Kao results & IELTS / TOEFL / SAT1 IB Diploma Singapore-Cambridge GCE 'A' level NUS High School Diploma Diploma from one of the polytechnics in Singapore |
| Undergraduate Scholarship for Hong Kong Students | Citizens or Permanent Residents of Hong Kong (SAR) | Any Science or Engineering undergraduate programmes except Biomedical Sciences & Chinese Medicine | <ul style="list-style-type: none"> HKALE Year 12 equivalent results IB Diploma Singapore-Cambridge GCE 'A' level NUS High School Diploma |

CN Yang Scholars Programme

The CN Yang Scholars Programme, named after 1957 Physics Nobel laureate Professor Chen-Ning Yang (CN Yang), is specially designed with talented science and engineering students in mind.

specialized fields of science, mathematics and engineering. Shortlisted students will be awarded a full scholarship that covers tuition fees and living expenses.

It aims to give you a strong foundation in science and mathematics while fuelling your interest in

For more information, please visit <http://www.ntu.edu.sg/cnyang-scholars>

Application For Admission

(Academic Year 2010/2011)

International students must have completed at least 12 years of general education up to GCE Advanced Level or acceptable equivalent qualifications to be considered for admission. The more common international qualifications that we consider for admission and the application period for the respective international qualifications are given below. Applicants with other equivalent qualifications from countries that are not listed here may also apply.

| INTERNATIONAL QUALIFICATION | APPLICATION DETAILS | APPLICATION PERIOD |
|--|--|--|
| <ul style="list-style-type: none"> • PRC National College Entrance Examination (Gao Kao) | <ul style="list-style-type: none"> • Apply with Senior Middle 1 & 2 results together with IELTS/TOEFL/SAT1 if you are taking Gao Kao in 2010. • Apply with Gao Kao result together with IELTS/TOEFL/SAT1 if you have already taken Gao Kao. • Apply via Ameson Chinese Elite Identification Scheme (ACEIS). Please visit http://aceis.ameson.org/ for further details. <p><i>Admissions interview will be conducted for selected candidates.</i></p> | 15 Sep 2009 - 15 Jan 2010 |
| <ul style="list-style-type: none"> • SMA Ujian Akhir Nasional (UAN) | <ul style="list-style-type: none"> • Please apply with Rapor SMA Year 10 and Year 11 results before closing date if you are taking UAN in 2010. | 1 Oct 2009 – 15 Dec 2009 |
| <ul style="list-style-type: none"> • Australia TEE, NSW HSC, SAM, VCE, Tasmanian HSC | <ul style="list-style-type: none"> • Please apply before closing date and submit HSC results and TER/ UAI/ ENTER score once available if you are in the final year of study. | 1 Oct 2009 - 15 Dec 2009 (for students studying in Indonesia) 1 Oct 2009 - 31 Jan 2010 |
| <ul style="list-style-type: none"> • Vietnam High School Graduation Certificate | <ul style="list-style-type: none"> • Please apply with Senior High School Year 10 and Year 11 results before closing date if you are taking national examination in 2010. | 1 Oct 2009 - 31 Dec 2009 |
| <ul style="list-style-type: none"> • Canada HSC-Ontario Diploma, British Columbia High School Certificate | <ul style="list-style-type: none"> • Please apply with final term grades before closing date and submit actual results as soon as they are released if you are in Grade 12. | 1 Oct 2009 - 31 Jan 2010 |
| <ul style="list-style-type: none"> • Malaysia Unified Examination Certificate (UEC) | <ul style="list-style-type: none"> • E1119 English certificate is compulsory if you are applying for non-engineering/ non-science programmes except Chinese programme. | |
| <ul style="list-style-type: none"> • Myanmar Higher School Certificate (HSC) | - | |
| <ul style="list-style-type: none"> • German Abitur • Kazakhstan High School Certificate • Philippines High School Certificate (HSC) • New Zealand NCEA • South Korea Scholastic Examination • Thailand Mathayom 6 • Turkish High School Certificate • US High School Diploma | <ul style="list-style-type: none"> • Please apply with final term grades before closing date if you are in the final year of high school. | |
| <ul style="list-style-type: none"> • India Standard 12 | <ul style="list-style-type: none"> • Please apply with Standard 10 results before closing date if you are taking Standard 12 examination in 2010. Actual Standard 12 results need to be submitted as soon as they are released for final decision. | 1 Oct 2009 - 31 Mar 2010 |
| <ul style="list-style-type: none"> • International Baccalaureate Diploma (IB) • French Baccalaureate (FB) | <ul style="list-style-type: none"> • If you are taking IB/FB examination in 2010, please apply before closing date and submit predicted results. Actual results need to be submitted as soon as they are released for final decision. | 1 Oct 2009 - 31 Mar 2010 |
| <ul style="list-style-type: none"> • Malaysia Sijil Tinggi Persekolahan Malaysia (STPM) | <ul style="list-style-type: none"> • E1119 English certificate is compulsory if you are applying for non-engineering non-science programmes except Chinese programme. | |
| <ul style="list-style-type: none"> • Mauritius Higher School Certificate (HSC) | - | |
| <ul style="list-style-type: none"> • 'A' Level (AQA, Brunei, Cambridge, Edexcel, Hong Kong, Maldives, Sri Lanka, London) Certificate | <ul style="list-style-type: none"> • Admission is based on at least 3 'A' level subjects in a single sitting. Please submit predicted 'A' level grades from your high school if actual results is not available at the point of application. Actual 'A' level results need to be submitted as soon as they are released for final decision. | |
| <ul style="list-style-type: none"> • All other international qualifications not listed above | <ul style="list-style-type: none"> • Please apply with final term grades before closing date if you are in the final year of high school. | 1 Oct 2009 - 31 Jan 2010 |

Subject Requirements

In addition to fulfilling the minimum entry requirements, applicants applying for the programmes listed below must also satisfy the minimum subject requirements.

| DEGREE PROGRAMME | MINIMUM SUBJECT REQUIREMENTS SELECTION | SELECTION TEST / INTERVIEW |
|---|--|----------------------------|
| NANYANG BUSINESS SCHOOL | | |
| Accountancy Business Accountancy & Business (Double Degree) | Additional Mathematics at Junior High School Level or Mathematics at IB Standard Level | On a selective basis |
| COLLEGE OF HUMANITIES, ARTS, & SOCIAL SCIENCES | | |
| Art, Design and Media | <p>Mathematics at Junior High School Level or Mathematics at IB Standard Level.</p> <p>In addition, candidates are required to submit the following five (5) submission items.</p> <p>Part 1 – These are compulsory assignments to fulfil</p> <ul style="list-style-type: none"> • A portfolio or demo reel of personal artwork, including projects developed in secondary education. The portfolio should demonstrate general artistic proficiency plus ability in the desired area of BFA expertise (i.e. animation, photography, design, etc) • A short written composition in English of no more than 400 words explaining why you are uniquely qualified to enter a specific BFA programme <p>Part 2 – Please submit three (3) pieces from an assigned set of four designs that will demonstrate your abilities in the areas of:</p> <ul style="list-style-type: none"> • Conceptual and Visual Problem Solving. Using visual elements and symbols, create a composition that visually describes a verbal metaphor. • Design Ability. Using a set of defined elements - spatial, conceptual structural, and possible even auditory stimuli, design a 3D form or spatial environment that satisfies the stated design brief. • Narrative and Storytelling. Using a set of images write a story in a maximum of 3 paragraphs. • Drawing and Visualization. Create a drawing of a specific object, demonstrating your skill in handling pencil or pen on paper. <p>These assignments are to be completed in a specific material and size requirement. The specific assignments are available on the School of Art, Design and Media website.</p> | |
| Communication Studies | A good pass in General Paper or English at Senior High School Level / IB Level | Yes |
| Chinese | A good pass in Chinese at Junior High School Level / IB Standard Level | |
| Economics | A good pass in Mathematics and a good pass in General Paper or English at Senior High School Level / IB Level | |
| English Literature | A good pass in General Paper or English at Senior High School Level / IB Level | On a selective basis |
| Linguistics & Multilingual Studies | A good pass in General Paper or English at Senior High School Level / IB Level | |
| Psychology | A good pass in Mathematics and a good pass in General Paper or English at Senior High School Level / IB Level | |
| Sociology | A good pass in General Paper or English at Senior High School Level / IB Level | |
| NATIONAL INSTITUTE OF EDUCATION | | |
| Arts (Education)* Science (Education)* | <p>Pass in English and Mathematics at Senior High School Level.</p> <p>Pass in at least 5 subjects including English as a First Language taken at Junior High School Level.</p> <p>Preferably a good score for IELTS or TOEFL.</p> | Yes |

Subject Requirements

| DEGREE PROGRAMME | MINIMUM SUBJECT REQUIREMENTS | SELECTION TEST / INTERVIEW |
|---|--|----------------------------|
| COLLEGE OF ENGINEERING | | |
| Aerospace Engineering | Mathematics and Physics / Chemistry / Biology at Senior High School Level / IB Higher Level and Physics at Junior High School Level+ | |
| Bioengineering | | |
| Business & Computing (Double Degree) | | |
| Civil Engineering | | |
| Computer Engineering | | |
| Computer Science | | |
| Electrical & Electronic Engineering | | |
| Engineering | | |
| Engineering [^] and Economics (Double Degree) [^] in a specific field of Engineering | | |
| Environmental Engineering | | |
| Information Engineering & Media | | |
| Materials Engineering | | |
| Mechanical Engineering | | |
| Chemical & Biomolecular Engineering | Mathematics and Chemistry at Senior High School Level / IB Higher Level and Physics at Junior High School Level+ | |
| Chemical & Biomolecular Engineering and Economics (Double Degree) | | |
| Maritime Studies# | Additional Mathematics at Junior High School Level or Mathematics at IB Standard Level | |
| Maritime Studies with Business Major# | Additional Mathematics at Junior High School Level or Mathematics at IB Standard Level and Physics / Chemistry / Biology at Senior High School Level / IB Higher Level | |
| COLLEGE OF SCIENCE | | |
| Biological Sciences | Mathematics at Junior High School Level / IB Standard Level and Physics / Chemistry / Biology at Senior High School Level / IB Higher Level | On a selective basis |
| Biomedical Sciences & Chinese Medicine (Double Degree) | Mathematics and Chinese at Junior High School Level / IB Standard Level and Physics / Chemistry / Biology at Senior High School Level / IB Higher Level | |
| Chemistry & Biological Chemistry | Chemistry and Mathematics / Physics at Senior High School Level or IB Higher Level | |
| Mathematical Sciences | | |
| Mathematics & Economics (Combined Degree) | Mathematics at Senior High School Level / IB Higher Level | |
| Physics & Applied Physics | Physics and Mathematics at Senior High School Level / IB Higher Level | |
| SPORT SCIENCE & MANAGEMENT | | |
| Sport Science & Management# | Additional Mathematics at Junior High School Level / Mathematics at IB Standard Level | On a selective basis |

+ Pass in Junior High School Physics is only applicable to applicants who have not read Senior High School Physics or IB Higher Level Physics.

* These degree programmes offer many courses which may require further subject prerequisites. Please refer to the NIE website for details.

Programmes leading to Bachelor of Science degree.

Applying to NTU and Financing an NTU Education

Application Procedure

Applications have to be submitted online at <http://admissions.ntu.edu.sg/international/undergraduateapplicants>

The application fee is required when you apply and it is non-refundable and non-transferable. An application fee of S\$30 or US\$30 (inclusive of S\$10 or US\$10 handling charge) is applicable for payment by a bank draft payable to "Nanyang Technological University". Please write your application number and name on the back of the bank draft. If you choose to pay online by credit card, you will enjoy a discounted application fee at S\$20.

Please print checklist and send the following supporting documents together with the bank draft (where applicable) to the Office of Admissions and Financial Aid not more than one week after the application closing date.

- Birth certificate or passport
- Junior High School national examination results* (eg. Malaysia SPM, India Standard 10)
- Senior High School internal examination results* (eg. Indonesia Rapor SMA Year 10 and Year 11, Vietnam Year 10 and Year 11) if you have not taken your senior high school national examination
- Senior High School national examination results*, if applicable (e.g. Indonesia UAN, Vietnam HSC)
- Actual IB / 'A' Level (AQA, Brunei, Cambridge,

Edexcel, Hong Kong, Maldives, Sri Lanka, London) / India Standard 12 examination results*, when available (required)

- University entrance examination results*, if any
- University academic transcripts* (if applicable)

** certified by school principal or teacher or any gazetted officer*

Entrance Examination

International students with Malaysia STPM, Malaysia UEC, 'A' Level (AQA, Brunei, Cambridge, Edexcel, Hong Kong, London, Maldives, Sri Lanka), India Standard 12, Mauritius HSC, PRC Gao Kao, US High School Diploma, German Abitur, French Baccalaureate and IB qualifications are not required to take the entrance examination. In addition, applicants who have won gold, silver or bronze medals in International Science Olympiad Competitions will be exempted from taking the entrance examination.

Applicants with other qualifications may be required to take an entrance examination before a final decision on admission is made. Details of the examination will be made known to shortlisted applicants.

Cost of Study

Tuition Fee

NTU adopts a cohort-based approach to setting undergraduate tuition fees which is fixed and maintained at the same level throughout the course of their study. For guidance, you can log on to <http://admissions.ntu.edu.sg/undergraduate/Pages/TuitionFee.aspx> to view the AY 2009/10 tuition fees.

As an international student, you can have the choice to be admitted as a full tuition fee-paying student or a subsidised fee-paying student.

If you are eligible and you choose to apply for Tuition Grant, you will pay the subsidised tuition fee. In return, you are required and bonded under the terms of the Ministry of Education Tuition Grant to work in any Singapore registered companies based overseas or in Singapore for 3 years upon graduation.

Estimated Monthly Living Expenses

| | | | |
|-------------------------------------|---------------|---|---------------|
| Accommodation (on-campus) | S\$160 | – | S\$200 |
| Meals | S\$300 | – | S\$400 |
| Transport, Books, Personal Expenses | S\$100 | – | S\$250 |
| TOTAL | S\$560 | – | S\$850 |

Financial Aid

At NTU, we have a wide comprehensive range of financial assistance schemes to make it financially viable for you to complete your education. Eligible international students can apply for Tuition Fee Loan and Study Loan. Up to 90% of the subsidised tuition

fee payable by Singaporeans may be financed from the Tuition Fee Loan. Another 10% of the subsidised tuition fee payable by Singaporeans plus an annual living allowance of up to S\$3,600 may be financed from the Study Loan.

For more information, please visit <http://admissions.ntu.edu.sg/undergraduate/financialassist/Pages/default.aspx>



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Office of Admissions and Financial Aid
Nanyang Technological University
Student Services Centre, Level 2
42 Nanyang Avenue, Singapore 639815

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<http://admissions.ntu.edu.sg>

Reg. No. 20060 4393R
Information is correct as at Jun 2009.