COLLEGES/SCHOOLS

The College of Engineering has six schools focused on technology and innovation. It is one of the world’s largest engineering colleges and offers the only aerospace engineering programme in Singapore:

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

The Nanyang Business School (NBS) is the first and only Singapore business school to be ranked in the top 25 of the Financial Times Global MBA 2009 rankings. It is also one of only three in Asia to be awarded both the EQUIS (European Quality Improvement System) and AACSB (Association to Advance Collegiate Schools of Business) accreditations - international hallmarks of quality.

The College of Science consists of two schools that push the boundaries of Singapore’s life sciences initiatives:

• School of Biological Sciences
• School of Physical and Mathematical Sciences

The College of Humanities, Arts, & Social Sciences is home to a top journalism and media school in Asia; a fast-growing humanities and social sciences school with distinctive niches of excellence; and Singapore’s first professional art school offering degree courses in art, design and interactive digital media:

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

The S. Rajaratnam School of International Studies runs the Institute of Defence and Strategic Studies – long recognised as a world authority on strategic studies and terrorism.

The National Institute of Education (NIE) is Singapore’s only teacher-training institute. NIE is also internationally acclaimed and provides educational consultancy to countries from Indonesia to UAE.

The Earth Observatory of Singapore, which opened in February 2009, is a Research Centre of Excellence devoted to the study of natural hazards – such as earthquakes, tsunamis, volcanic unrest and climate change – threatening Southeast Asia.

GRADUATE STUDIES AT NTU

http://admissions.ntu.edu.sg/graduate/Pages/default.aspx

A comprehensive range of graduate programmes are offered which lead to the award of the degrees of Doctor of Philosophy and Master, as well as Graduate Diplomas. The programmes are by research or by coursework.
ACADEMIC YEAR
The academic year which starts in August each year is normally divided into two semesters. However, a few programmes by coursework run on a 3-trimester academic year. Details at: http://www.ntu.edu.sg/Services/Academic/graduates/Pages/graduateacademiccalendar.aspx

FEES
Tuition fees of research programmes range from S$5,000 to S$12,000 yearly. Miscellaneous fees include matriculation fee, student card fee, computer account fee, amenities fee and examination fee. These are listed at http://admissions.ntu.edu.sg/graduate/Research/Beforeyouapply/Pages/Fees.aspx and http://www.nie.edu.sg/gpr/fees.htm (for programmes at National Institute of Education).

Tuition fees of coursework programmes range from S$3,000 to S$78,000 annually depending on whether a program is subsidised or not and whether it is full-time or part-time http://admissions.ntu.edu.sg/graduate/coursework/Beforeyouapply/Pages/Fees.aspx

For further information or enquiries about service obligation, please contact the Ministry of Education (MOE):
Call: MOE’s Customer Service Officers @ 6872 2220
Email: contact@moe.edu.sg

PROGRAMMES BY RESEARCH
http://admissions.ntu.edu.sg/graduate/Research/Pages/default.aspx
Candidates conduct independent but supervised research on an approved topic based on which a thesis must be submitted for examination. They must also attend classes and pass the examinations in 3 to 6 courses. Selections of courses are made after consultation with their research supervisors.

Research candidates work closely and keep in regular contact with their supervisor on their research project. Supervisors also submit regular reports on the progress of each candidate under their supervision.

In addition to being examined on the thesis, a candidate for the degree of Doctor of Philosophy must pass an oral examination on the subject matter of his thesis and related matters. For non-Ph.D. candidates, the oral examination may be prescribed at the discretion of the Board of Examiners.

Admission Requirements
The minimum requirement is a relevant Bachelor's degree with at least 2nd class honours upper (or equivalent) as well as the ability and interest to pursue research in the candidate’s proposed field of advanced study. Find out more about the requirements including matters such TOEFL, GRE, etc at: http://admissions.ntu.edu.sg/graduate/Research/Beforeyouapply/Pages/AdmissionRequirements.aspx

Successful applicants are admitted as Research Students in the first instance with students expected to be confirmed as PhD candidates or Master candidates after a qualifying examination and confirmation exercise. Please note that the University is taking in mainly students who wish to work towards a Ph.D. degree.

The courses, qualifying examination and confirmation exercise have to be completed within a specific period of time. The maximum timeline for confirmation of candidature is 1 year for Masters and 2 years for PhD from the start date of your candidature.

Please note that fees are revised yearly. As and when fees are revised, the new fees will apply to existing and new students. Fees listed are in Singapore dollars ($$) and are inclusive of Goods and Services Tax (GST) unless otherwise stated. The University reserves the right to alter fees at any time without notice. Fees for each academic year have to be paid within the period stipulated by the Office of Finance.

For new students, the fee structure for government-subsidised programmes is as follows:

Singapore Permanent Residents will pay 1.1 times the fee payable by Singapore Citizens. International Students will pay 2.5 times those of Singapore Citizens if they do not take up the 3 years service obligation*. However, if International Students take up the 3 years service obligation, then they will pay 1.5 times that of Singapore Citizens.

* Service Obligation
International students who choose to pay lower subsidised fees will have to take up a 3-year service obligation. As part of the service obligation, the international student is required to work in Singapore-based companies upon graduation. Singapore-based companies refer to local companies and international companies which have a base in Singapore that is registered with the Accounting & Corporate Regulatory Authority (ACRA) http://www.acra.gov.sg/
The minimum and maximum periods of candidature for full-time and part-time basis are as follows:

<table>
<thead>
<tr>
<th>Programme</th>
<th>Full-Time Minimum</th>
<th>Full-Time Maximum</th>
<th>Part-Time Minimum</th>
<th>Part-Time Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Philosophy</td>
<td>2 years</td>
<td>5 years</td>
<td>2 years</td>
<td>7 years</td>
</tr>
<tr>
<td>Master's Degree</td>
<td>1 year</td>
<td>3 years</td>
<td>1 year</td>
<td>4 years</td>
</tr>
</tbody>
</table>

For programmes offered by the National Institute of Education, please check: [http://www.nie.edu.sg/gpr](http://www.nie.edu.sg/gpr)

**Application Procedures**

Programmes at NTU (except for programmes offered by the National Institute of Education). There are two intakes per year, in August and January except for Nanyang Business School which has only one intake in August. Please apply and submit your application electronically via: [http://admissions.ntu.edu.sg/graduate/Research/Whenyouapply/Pages/Howtoapply.aspx](http://admissions.ntu.edu.sg/graduate/Research/Whenyouapply/Pages/Howtoapply.aspx)

Programmes at the National Institute of Education (NIE) Intake is in August and January. Get details such as deadlines and application instructions and submit your electronic application at: [http://www.nie.edu.sg/gpr/appl_edd.htm](http://www.nie.edu.sg/gpr/appl_edd.htm) (for Ed.D programme) and [http://www.nie.edu.sg/gpr/appl_research.htm](http://www.nie.edu.sg/gpr/appl_research.htm) (for other Research programmes)

Contact NIE at edd@nie.edu.sg (for Ed.D programme) and nieadmpp@nie.edu.sg (for other Research programmes).

**PROGRAMMES BY COURSEWORK**

[http://admissions.ntu.edu.sg/graduate/coursework/Pages/default.aspx](http://admissions.ntu.edu.sg/graduate/coursework/Pages/default.aspx)

Programmes by coursework involve lectures, tutorials, seminars, laboratory work, written examinations and project work on which a dissertation will be written. However, some programmes allow you the option to take a few extra courses in lieu of dissertation.

**Admission Requirements**

A Bachelor’s degree or its equivalent is required. Different programmes may have different additional requirements and different periods of candidature which are listed at: [http://admissions.ntu.edu.sg/graduate/coursework/Pages/default.aspx](http://admissions.ntu.edu.sg/graduate/coursework/Pages/default.aspx)

Programmes offered by the National Institute of Education are detailed at: [http://www.nie.edu.sg/gpr](http://www.nie.edu.sg/gpr)

Application Procedures: [http://admissions.ntu.edu.sg/graduate/coursework/Whenyouapply/Pages/Howtoapply.aspx](http://admissions.ntu.edu.sg/graduate/coursework/Whenyouapply/Pages/Howtoapply.aspx)

Generally, applications for admission are open online:

<table>
<thead>
<tr>
<th>Intake</th>
<th>For Programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>In January/February</td>
<td>For August intake</td>
</tr>
<tr>
<td>In September</td>
<td>For January intake</td>
</tr>
<tr>
<td>In November</td>
<td>For scholarships (ASEAN, APEC) in August intake</td>
</tr>
</tbody>
</table>

Each application carries an application fee (non-refundable) which ranges from $21.40 to $53.50 depending on the programme applied for. Applicants are advised to check the details of the programmes via: [http://www.ntu.edu.sg/collegesandprogrammes/graduate/Pages/ByCourseworkDissertation.aspx](http://www.ntu.edu.sg/collegesandprogrammes/graduate/Pages/ByCourseworkDissertation.aspx)

The National Institute of Education has separate deadlines and application forms for their programmes which can be located at: [http://www.nie.edu.sg/gpr/appl_course.htm](http://www.nie.edu.sg/gpr/appl_course.htm)

**SCHOLARSHIPS, AWARD SCHEMES AND FINANCIAL ASSISTANCE**

**SCHOLARSHIPS AND AWARD SCHEMES**

Research scholarships and awards are available for Ph.D candidates with outstanding academic results to pursue their programmes on full-time basis. Depending on the type of scholarship or award, these scholarships or awards generally provide monthly stipend and tuition fees: [http://admissions.ntu.edu.sg/graduate/scholarships/Pages/default.aspx](http://admissions.ntu.edu.sg/graduate/scholarships/Pages/default.aspx)

The National Institute of Education, being an autonomous institute, offers its own research scholarships: [http://www.nie.edu.sg/gpr/scholarships.htm](http://www.nie.edu.sg/gpr/scholarships.htm)

Scholarships are also available for programmes by coursework: [http://admissions.ntu.edu.sg/graduate/scholarships/Pages/default.aspx](http://admissions.ntu.edu.sg/graduate/scholarships/Pages/default.aspx)

**FINANCIAL ASSISTANCE**

[http://admissions.ntu.edu.sg/graduate/Pages/financialassistance.aspx](http://admissions.ntu.edu.sg/graduate/Pages/financialassistance.aspx)

Candidates enrolled in research programmes or selected full-time coursework programmes are eligible to apply for a Tuition Fee Loan. The loan amount is up to 90% of the research/tuition fee payable by Singapore citizens. You can only apply for the loan after you have matriculated with the University.
INTERNATIONAL STUDENTS

STUDENT’S PASS
International students pursuing full-time studies in Singapore have to apply for and obtain a Student’s Pass from the Immigration and Checkpoints Authority (ICA).

International applicants who are interested in our part-time programmes have to obtain employment in Singapore first before applying for admission. This is to ensure that they are permitted by the Ministry of Manpower to work and reside in Singapore throughout the duration of their study.

Information on Student’s Pass application, visa requirements and fees for Student’s Pass can be found on the Immigration & Checkpoints Authority (ICA) website: http://www.ica.gov.sg/index.aspx

MEDICAL EXAMINATION
The Immigration & Checkpoints Authority (ICA) requires international students with Student’s Pass who stay in Singapore for 6 months or more to undergo a medical examination. This includes a chest x-ray for tuberculosis and a test for the AIDS-causing Human Immunodeficiency Virus (HIV).

The medical test can be done either in Singapore or overseas using the official medical form provided by ICA. If you choose to do it in your home country, please note that it is up to the doctors here and also ICA whether they find it acceptable or not. If it is not, you will have to re-do it. As such, we recommend that you do it here at the NTU Medical Centre.

Applicants must pass the medical examination before admission to the university. The offer of admission is conditional upon the issue of a valid Student’s Pass by the ICA. International students who fail the medical examination will not be admitted to the University and will be repatriated at their own expense.

COST OF LIVING
The amount you will spend in Singapore depends on your lifestyle. You can get more information about this in the guidebook for international students http://www.ntu.edu.sg/isc/livinginsingapore/Pages/LivingCost.aspx

COLLEGE OF ENGINEERING – PROGRAMMES

SCHOOL OF CHEMICAL AND BIOMEDICAL ENGINEERING
http://www3.ntu.edu.sg/scbe/
Doctor of Philosophy – by research

SCHOOL OF CIVIL AND ENVIRONMENTAL ENGINEERING
Doctor of Philosophy – by research
Master of Engineering – by research
Programmes by coursework
• M.Sc (Civil Engineering)
• M.Sc (Maritime Studies)
• M.Sc (International Construction Management)
• M.Sc (Environmental Engineering)
• Graduate Diploma in Construction Management
• Graduate Diploma in Airport Engineering

Master of Science in Environmental Science & Engineering - joint programme with Stanford University http://www3.ntu.edu.sg/CEE/ssp/

SCHOOL OF COMPUTER ENGINEERING
http://www3.ntu.edu.sg/sce/
Doctor of Philosophy – by research
Master of Engineering – by research
Programmes by coursework
• M.Sc (Bioinformatics)
• M.Sc (Embedded Systems)
• M.Sc (Digital Media Technology)
SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING
http://www3.ntu.edu.sg/eee/academic/
Doctor of Philosophy – by research
Master of Engineering – by research
Programmes by coursework
• M.Sc (Communications Engineering)
• M.Sc (Communication Software & Networks)
• M.Sc (Computer Control & Automation)
• M.Sc (Electronics)
• M.Sc (Signal Processing)
• M.Sc (Power Engineering)
• M.Sc (IC Design): Joint NTU-Technical University of Munich programme
• M.Sc (Microelectronics): Joint NTU-Technische Universitat Munchen (Germany) programme
• Graduate Diploma in Information Communication Technology

SCHOOL OF MATERIALS SCIENCE AND ENGINEERING
http://www.mse.ntu.edu.sg/courses/
Doctor of Philosophy – by research
Master of Engineering – by research

SCHOOL OF MECHANICAL AND AEROSPACE ENGINEERING
http://www3.ntu.edu.sg/mae/
Doctor of Philosophy – by research
Master of Engineering – by research
Programmes by coursework
• M.Sc (Biomedical Engineering)
• M.Sc (Computer Integrated Manufacturing)
• M.Sc (Human Factors Engineering)
• M.Sc (Logistics)
• M.Sc (Mechanical Engineering)
• M.Sc (Precision Engineering)
• M.Sc (Smart Product Design)

COLLEGE OF SCIENCE
– PROGRAMMES
SCHOOL OF BIOLOGICAL SCIENCES
http://www.sbs.ntu.edu.sg/graduate/courses.php
Doctor of Philosophy – by research
Master of Science – by research

SCHOOL OF PHYSICAL AND MATHEMATICAL SCIENCES
http://www.spms.ntu.edu.sg/
Doctor of Philosophy – by research
Master of Science – by research

NANYANG BUSINESS SCHOOL (COLLEGE OF BUSINESS)
– PROGRAMMES
http://www.nbs.ntu.edu.sg/nbs_corporate/graduateProgs.asp
Doctor of Philosophy – by research
http://www.nbsphd.ntu.edu.sg/
Programmes by coursework
• EMBA (Chinese)
• Executive MBA/ Nanyang Fellows Programme
• The Nanyang MBA
• NTU-Waseda Double MBA in Management of Technology
• Master of Management in Hospitality
• M.Sc. (Finance) – conducted in Chinese
• M.Sc. (Financial Engineering)
These programmes are not offered yet but are currently in the pipeline.

Master of Arts (Interactive Design) in partnership with Domus Academy in Milan, Italy, a top design school in Europe.
http://www3.ntu.edu.sg/adm/domus.html

Master of Fine Arts – by coursework
http://www3.ntu.edu.sg/adm/mfa.html

Doctor of Philosophy – by research
Master of Arts – by research
Programmes by coursework
• Master of Arts in Contemporary China
• M.Sc in Managerial Economics
• Master of Public Administration
• Graduate Diploma in Translation & Interpretation

Doctor of Philosophy – by research
Master of Arts - by research
Master of Science - by research
Doctor in Education (EdD)
Programmes by coursework
• Master of Arts (Applied Linguistics)
• Master of Arts (Applied Psychology)
• Master of Arts (Counselling & Guidance)
• Master of Arts (Educational Management)
• Master of Arts (Instructional Design & Technology)
• Master of Arts (Social Studies)
• Master of Education
• Master of Science (Exercise & Sport Studies)
• Master of Science (Life Sciences)
• Master of Science (Mathematics for Educators)

The Earth Observatory of Singapore will be offering graduate courses in Aug 2010 under a new Division of Earth Science to be set up within the School of Physical & Mathematical Sciences.