# Minimum Subject Requirements for Students with International Qualifications 

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

The more common international qualifications that are considered for admission and the respective application periods can be viewed on page 9 and 10. Applicants with other equivalent international qualifications that are not listed may also apply.

In addition, applicants must meet the minimum subject requirements of the degree programmes in the following pages.

## Please refer to HERE on

English Language requirements and
click on respective High School qualification at our website for most updated information.

Application Window:
Refer to
page 9 \& page 10


RENAISSANCE ENGINEERING PROGRAMME

| Programme | Minimum Subject Requirements | Selection Test/ Interview |
| :---: | :---: | :---: |
| Renaissance Engineering Programme ${ }^{¥}$ | Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Physics at Junior High School Level+, and A good grade in General Paper/English at Senior High School Level | Yes |
| COLLEGE OF ENGINEERING |  | (TN\% |
| Programmes | Minimum Subject Requirements | Selection Test/ Interview |
| Aerospace Engineering*^£ | Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Physics at Junior High School Level+ |  |
| Aerospace Engineering with a Second Major in <br> - Business |  |  |
| - Data Analytics |  |  |
| - Entrepreneurship |  |  |
| - Sustainability |  |  |
| Bioengineering*^£ | Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level |  |
| Bioengineering with a Second Major in - Business |  |  |
| - Data Analytics |  |  |
| - Entrepreneurship |  |  |
| - Sustainability |  |  |
| - Food Science and Technology | Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Physics at Junior High School Level+ |  |
| - Pharmaceutical Engineering |  |  |
| Business and Computer Engineering (Double Degree) | Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Physics at Junior High School Level+ |  |
| Business and Computing (Double Degree) | Mathematics at Senior High School Level, and Physics/Chemistry/Biologya at Senior High School Level <br> a UK CIE A Level Computer Science is acceptable |  |
| Chemical and Biomolecular Engineering*^£ | Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level |  |
| Chemical and Biomolecular Engineering with a Second Major in |  |  |
| - Business |  |  |
| - Data Analytics |  |  |
| - Entrepreneurship |  |  |
| - Sustainability |  |  |
| - Food Science and Technology | Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Physics at Junior High School Level+ |  |
| Civil Engineering*^£ | Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Physics at Junior High School Level+ |  |
| Civil Engineering with a Second Major in - Business |  |  |
| - Data Analytics |  |  |
| - Entrepreneurship |  |  |
| - Society and Urban Systems |  |  |
| - Sustainability |  |  |
| Computer Engineering*^⿷匚 | Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level, and Physics at Junior High School Level+ |  |
| Computer Engineering with a Second Major in - Business |  |  |
| - Data Analytics |  |  |
| - Entrepreneurship |  |  |
| - Sustainability |  |  |

COLLEGE OF ENGINEERING


COLLEGE OF ENGINEERING

| Programmes | Minimum Subject Requirements | Selection Test <br> Interview |
| :--- | :--- | :--- |
| Mechanical Engineering*ィ£ |  |  |
| Mechanical Engineering with a Second |  |  |
| Major in |  |  |
| - Business |  | Mathematics at Senior High School Level, and |
| - Data Analytics | Physics/Chemistry/Biology at Senior High School Level, and |  |
| - Entrepreneurship |  |  |
| - Society and Urban Systems at Junior High School Level+ |  |  |

COLLEGE OF HUMANITIES, ARTS AND SOCIAL SCIENCES

| Programmes | Minimum Subject Requirements | Selection Test Interview |
| :---: | :---: | :---: |
| Art, Design and Media | Mathematics at Junior High School Level, and A good grade in English at Senior High School Level <br> In addition, applicants are required to produce and submit the following materials for admissions assessment: <br> 1. A portfolio <br> 2. Personal statement and writing samples <br> 3. A creative project <br> 4. An observational drawing <br> For specific submission instructions and details, please refer to ADM Admissions Requirements. |  |
| Chinese | A good grade in Chinese at GCE '0' Level/HSK Level 6 |  |
| Chinese and English (Double Major) ${ }^{\text {ge }}$ <br> Chinese and Linguistics \& Multilingual Studies (Double Major) ${ }^{\text {P }}$ | A good grade in Chinese at GCE ' 0 ' Level/HSK Level 6 and A good grade in General Paper/English at Senior High School Level |  |
| Communication Studies |  | Yes |
| Communication Studies with a Second Major in <br> - Business <br> - Governance and International Relations | Additional Mathematics $\oplus$ at Junior High School Level, and A good grade in General Paper/English at Senior High School Level |  |
| Economics | A good grade in Additional Mathematics $\oplus$ at Junior High School Level, and |  |
| Economics with a Second Major in Business | A good grade in English at Senior High School Level |  |
| Economics and Data Science§ | Mathematics at Senior High School Level, and Physics/Chemistry/Biology** at Senior High School Level ** UK CIE A-Level Computer Science is acceptable A good grade in English at Senior High School Level | On a selective basis |
| Economics and Media Analytics (Double Major) ${ }^{\text {H8 }}$ |  |  |
| Economics and Psychology (Double Major) ${ }^{\text {\& }}$ | A good grade in Mathematics at Senior High School Level, and A good grade in General Paper/English at Senior High School Level |  |
| Economics and Public Policy \& Global Affairs (Double Major) ${ }^{\mathscr{H}}$ |  |  |
| English | A good grade in General Paper/English at Senior High School Level | Yes |
| English Literature and Art History (Double Major) ${ }^{\text {\& }}$ |  |  |
| English and History (Double Major) ${ }^{\text {d }}$ |  |  |
| English and Philosophy (Double Major) ${ }^{\text {d }}$ |  |  |
| History |  |  |
| History and Chinese (Double Major) ${ }^{\text {d }}$ | A good grade in General Paper/English at Senior High School Level, and A good grade in Chinese at GCE 'O' Level/HSK Level 6 |  |
| History and Linguistics \& Multilingual Studies (Double Major) ${ }^{\mathscr{H}}$ | A good grade in General Paper/English at Senior High School Level |  |
| Linguistics and Multilingual Studies |  |  |
| Linguistics \& Multilingual Studies and English (Double Major) ${ }^{\mathscr{A}}$ |  |  |
| Linguistics \& Multilingual Studies and Philosophy (Double Major) ${ }^{\mathscr{A}}$ |  |  |

COLLEGE OF HUMANITIES, ARTS AND SOCIAL SCIENCES

| Programmes | Minimum Subject Requirements | Selection Test/ <br> Interview |
| :--- | :--- | :--- | :--- |
| Philosophy | A good grade in General Paper/English at Senior High School Level |  |
| Philosophy and Chinese (Double Major)\& | A good grade in General Paper/English at Senior High School Level, and <br> A good grade in Chinese at GCE ‘0' Level/HSK Level 6 | Yes |
| Philosophy and History (Double Major) 8 | A good grade in General Paper/English at Senior High School Level |  |
| Psychology | A good grade in Additional Mathematics $\oplus$ at Junior High School Level, and <br> A good grade in English at Senior High School Level |  |
| Psychology with a Second Major in <br> Biological Sciences | A good grade in Additional Mathematics $\oplus$ at Junior High School Level, and <br> A good grade in English at Senior High School Level, and, <br> A good grade in Physics/Chemistry/Biology at Junior High School Level | On a selective |
| basis |  |  |

## COLLEGE OF SCIENCE

| Programmes | Minimum Subject Requirements | Selection Test Interview |
| :---: | :---: | :---: |
| Environmental Earth Systems Science | Additional Mathematics $\oplus$ at Junior High School Level, and Physics/Chemistry/Biology/Economics at Senior High School Level | On a selective basis |
| Environmental Earth Systems Science with a Second Major in <br> - Entrepreneurship |  |  |
| - Sustainability |  |  |
| - Data Analytics | Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level |  |
| Environmental Earth Systems Science and Public Policy \& Global Affairs (Double Major) | Additional Mathematics $\oplus$ at Junior High School Level, and Physics/Chemistry/Biology/Economics at Senior High School Level, and A good grade in General Paper/English at Senior High School Level |  |
| Mathematical Sciences^^ | Mathematics at Senior High School Level |  |
| Mathematical Sciences with a Second Major in |  |  |
| - Entrepreneurship |  |  |
| - Sustainability |  |  |
| - Data Analytics | Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level |  |
| Mathematical and Computer Sciences (Double Major) |  |  |
| Mathematical Sciences and Economics (Double Major) | Mathematics at Senior High School Level, and A good grade in English at Senior High School Level | On a selective basis |
| Applied Physics with a Second Major in <br> - Entrepreneurship | Physics ${ }^{\varphi}$ at Senior High School Level, and Mathematics at Senior High School Level |  |
| - Medical Physics |  |  |
| - Microelectronics Engineering | Physics at Senior High School Level, and Mathematics at Senior High School Level |  |
| Physics/Applied Physics |  |  |
| Physics/Applied Physics with a Second Major in |  |  |
| - Data Analytics |  |  |
| - Quantum Technologies |  |  |
| - Sustainability |  |  |
| Physics and Mathematical Sciences (Double Major) |  |  |

LEE KONG CHIAN SCHOOL OF MEDICINE

| Programme | Minimum Subject Requirements | Selection Test/ Interview |
| :---: | :---: | :---: |
| Medicine | Chemistry at Senior High School Level, and Biology/Physics at Senior High School Level |  |
|  | In addition, applicants are required to submit the following materials for admissions assessment: |  |
|  | 1. Academic results |  |
|  | 2. Personal statement |  |
|  | 3. Two online referee reports (One of the referees must be the applicant's civics tutor/form teacher. The online referee report is in question and answer format. The questions will take no more than 10 minutes to complete. Instructions and login details will be provided to applicants who will in turn forward the login information to their referees.) |  |
|  | Applicants are also recommended to provide details of exceptional talents and/or outstanding achievements beyond school co-curricular activities for admissions assessment. |  |
|  | University Clinical Aptitude Test (UCAT) <br> Applicants will have to register for the University Clinical Aptitude Test (UCAT) and take the UCAT as part of the criteria for entry to the LKCMedicine MBBS programme. | Yes |
|  | The University Clinical Aptitude Test (UCAT) is a computer-based admissions test, used by a consortium of UK Universities and non-UK associate member universities including Lee Kong Chian School of Medicine (LKCMedicine) to help select applicants for medical and dental degree programmes. |  |
|  | It is a two-hour test consisting of five separately timed subtests in multiple-choice format. It is an aptitude test focused on assessing a range of mental abilities and knowledge candidates should already have. |  |
|  | If one is applying to the AY2024-25 intake of LKCMedicine, one should take UCAT between 10 July and 28 September 2023, prior to applying to LKCMedicine. Only results of the UCAT taken in the twelve-month period prior to admission to LKCMedicine will be considered in the selection process. |  |
|  | A copy of the UCAT leaflet can be downloaded here. |  |
|  | For more details on the UCAT, including information on how to prepare for it, please click here. |  |
|  | For further details, please visit https://www.ntu.edu.sg/medicine/education/ bachelor-of-medicine-and-bachelor-of-surgery-(mbbs). |  |


| NANYANG BUSINESS SCHOOL |  | (ww) |
| :---: | :---: | :---: |
| Programmes | Minimum Subject Requirements | Selection Test Interview |
| Accountancyt£\# | Additional Mathematics $\oplus$ at Junior High School Level | On a selective basis |
| Accountancy with a Second Major in <br> - Entrepreneurship |  |  |
| - Sustainability |  |  |
| Accountancy and Data Science \& Artificial Intelligence (Double Degree) | Mathematics at Senior High School Level, and Physics/Chemistry/Biology at Senior High School Level |  |
| Accountancy and Business (Double Degree) | Additional Mathematics $\oplus$ at Junior High School Level |  |
| Accountancy and Business (Double Degree) with a Second Major in Entrepreneurship |  |  |
| Business ${ }^{\text {E }}$ |  |  |
| Business with a Second Major in <br> - Entrepreneurship |  |  |
| - Sustainability |  |  |


| Programmes | M |
| :--- | :--- |
| Arts (Academic Discipline \& Education) | E |
| Science (Academic Discipline \& Education) | P |
| Sport Science \& Management ${ }^{\text {§ }}$ |  |
| Sport Science \& Management with a <br> Second Major in Sustainability | A |

Minimum Subject Requirements
Selection Test Interview

Mathematics at Senior High School Level, and
English at Senior High School Level
Preferably a good score for IELTS or TOEFL

Additional Mathematics $\oplus$ at Junior High School Level

## Footnote to Minimum Subject Requirements

$¥$ Programme leading to Bachelor of Engineering Science and Master of Science in Technology Management. Renaissance Engineering Programme is only open to Singaporeans and Singapore Permanent Residents.

+ Physics at Junior High School Level is only applicable to applicants who have not read Physics at Senior High School Level.
* The programme is also offered as a double degree programme with Economics.
£ The programme is also offered as a single degree programme with a Minor in International Trading.
- The programme is also offered as a double degree programme with a Minor in International Trading.
$\wedge$ The programme is also offered as a single degree programme with a Minor in Business.
§ Programme leading to Bachelor of Science degree.
@ Students who are undecided on their Engineering major may opt for Engineering (i.e. Common Engineering) at the point of application. All Common Engineering students will read a semester of engineering studies after which they will be streamed into either Civil Engineering, Electrical and Electronic Engineering, Environmental Engineering, Materials Engineering or Mechanical Engineering at the end of Year 1, Semester 1. In all cases, admissions and streaming into an engineering major are merit-based.
$\oplus$ Mathematics at Senior High School Level is only applicable to applicants who have not read Additional Mathematics at Junior High School Level.
H The programme is offered as a single degree programme with two distinct majors. Each major carries equal weight in the degree.
$\wedge \wedge$ The programme is also offered as a single degree programme with a Minor in Finance.
$\varphi$ Applicants who do not offer Physics at Senior High School Level may also be admitted, subject to passing an admissions test.
$\dagger$ The programme is also offered as a single degree programme with a Minor in Strategic Communication.
\# The programme is also offered as a single degree programme with a Minor in Digitalisation and Data Analytics.
- These degree programmes are only open to international students on non-subsidised fee. These programmes offer many courses which may require further subject prerequisites. Please refer to the National Institute of Education (NIE) website for details.

| INTERNATIONAL QUALIFICATION | APPLICATION DETAILS | APPLICATION PERIOD <br> (JUL/AUG'24 INTAKE) |
| :---: | :---: | :---: |
| - American High School Diploma | Apply with Grade 11 and Grade 12 Semester 1 results before the closing date (if you are in the final year of High School). SAT Reasoning Test/ACT with Writing and at least 3 SAT Subject Tests or at least 3 AP Exams (Collegeboard) are compulsory. The SAT Subject Tests or AP Exams (Collegeboard) must fulfil the subject prerequisites of the undergraduate programmes here. The 3 SAT Subject tests can be taken in no more than two sittings and within the period of one year. Mathematics Level 2 or AP Calculus BC (Collegeboard) is compulsory for application to Engineering and most of the Science programmes. | $\begin{aligned} & \text { 15 Oct } 2023 \\ & -19 \text { Mar } 2024 \end{aligned}$ |
| - Canadian Pre-U (which includes but is not limited to Alberta High School Diploma, British Columbia Certificate of Graduation and Ontario OSSD) | Apply with final-term grades before closing date and submit actual results within 3 days after release if you are in Grade 12. | $\begin{aligned} & 15 \text { Oct } 2023 \\ & -20 \operatorname{Jan} 2024 \end{aligned}$ |
| - French Baccalaureate (FB) | Admission is based on actual FB results. Actual results need to be submitted within 3 days after release for final decision. | $\begin{aligned} & \text { 15 Oct } 2023 \\ & -19 \text { Mar } 2024 \end{aligned}$ |
| - German Abitur | Apply with final-term grades before the closing date if you are in the final year of high school. | $\begin{aligned} & 15 \text { Oct } 2023 \\ & -20 \text { Jan } 2024 \end{aligned}$ |
| - India Standard 12 | Admission is based on India Standard 12 results. Actual Standard 12 results need to be submitted within 3 days after release for final decision. | $\begin{aligned} & \text { 15 Oct } 2023 \\ & -19 \text { Mar } 2024 \end{aligned}$ |
| - Malaysia Sijil Tinggi Persekolahan Malaysia (STPM) | E1119 English Certificate/MUET/IELTS/TOEFL/SAT Reasoning Test/ACT with Writing/ PTE Academic/C1 Advanced is compulsory if you are applying for non-Engineering/ non-Science programmes except Chinese programme and for Scholarships. | $\begin{aligned} & \text { 15 Oct } 2023 \\ & -19 \text { Mar } 2024 \end{aligned}$ |
| - Malaysia Unified Examination Certificate (UEC) | E1119 English Certificate/MUET/IELTS/TOEFL/SAT Reasoning Test/ACT with Writing/ PTE Academic/C1 Advanced is compulsory if you are applying for non-Engineering/ non-Science programmes except Chinese programme and for Scholarships. | $\begin{aligned} & 15 \text { Oct } 2023 \\ & -20 \operatorname{Jan} 2024 \end{aligned}$ |
| - Mauritius High School Certificate (HSC) | - | $\begin{aligned} & \text { 15 Oct } 2023 \\ & -19 \text { Mar } 2024 \end{aligned}$ |
| - Myanmar Matriculation Examination | Apply with Myanmar Matriculation Examination. AND <br> Additional Qualification listed below\# | $\begin{aligned} & 15 \text { Oct } 2023 \\ & -20 \operatorname{Jan} 2024 \end{aligned}$ |
| - New Zealand NCEA 3 | Apply with final-term grades before the closing date if you are in the final year of high school. | $\begin{aligned} & 15 \text { Oct } 2023 \\ & -20 \operatorname{Jan} 2024 \end{aligned}$ |
| - PRC National College Entrance Examination (Gao Kao) | - Current Senior Middle 3 applicants sitting for Gao Kao in 2024: apply with Senior Middle $1 \& 2$ results together with IELTS/TOEFL/SAT Reasoning Test/ACT with Writing/PTE Academic/C1 Advanced/AST English score ${ }^{+}$ <br> - Applicants who have taken Gao Kao: apply with Gao Kao results together with IELTS/TOEFL/SAT Reasoning Test/ACT with Writing/PTE Academic/C1 Advanced/AST English score+ <br> + Visit China Excellence Identification Scheme (CEIS) website at http://www.ceischina.com/ for details. <br> Applicants who have taken other Aptitude Scholastic Tests (AST) should also submit these scores for our evaluation. <br> Admission interview will be conducted for selected candidates. | $\begin{aligned} & 15 \text { Oct } 2023 \\ & -20 \operatorname{Jan} 2024 \end{aligned}$ |
| - SMA Ujian Akhir Nasional (UAN) | Apply with Rapor SMA Year 11 and Rapor 12 semester 1 results before closing date if you are taking UAN in 2024. If you have completed High School, please submit your SMA UAN/SMA Nilai Ujian Sekolah. IJAZAH SMA and Sertifikat Hasil Ujan (if applicable) must be submitted. <br> It is compulsory to submit a good pass in IELTS/TOEFL/SAT Reasoning Test/ACT with Writing/PTE Academic/C1 Advanced. Additional Qualification listed below\# whereby application will be considered more favorably if submitted. <br> Admission interviews will be conducted online for selected candidates. | $\begin{aligned} & 15 \text { Oct } 2023 \\ & -20 \text { Jan } 2024 \end{aligned}$ |
| - Spanish Baccalaureate (SB) | Admission is based on actual SB results. Actual results need to be submitted within 3 days after release for final decision. | $\begin{aligned} & \text { 15 Oct } 2023 \\ & -19 \text { Mar } 2024 \end{aligned}$ |
| - Taiwan General Scholastic Ability Test (GSAT) | Current Senior Middle 3 applicants sitting for GSAT in 2024 may apply with high school results, together with IELTS/TOEFL/SAT Reasoning test/ACT with Writing/ PTE Academic/C1 Advanced score. GSAT score is to be submitted within 3 days when available. Applicants who have taken GSAT will apply with GSAT results together with IELTS/TOEFL/SAT Reasoning test/ACT with Writing/PTE Academic/C1 Advanced score. Admission interview will be conducted for selected candidates. | $\begin{aligned} & 15 \text { Oct } 2023 \\ & -20 \text { Jan } 2024 \end{aligned}$ |

INTERNATIONAL QUALIFICATION

- Western Australia Certificate of Education, NSW HSC, SAM, VCE, Tasmanian HSC, and Queensland OP
- 'A' Level Certificate (AQA, Brunei, Cambridge, Edexcel, Hong Kong, London, Maldives, and Sri Lanka)
- International Baccalaureate (IB) Diploma
- All other international qualifications not listed (Eg. Kazakhstan High School Certificate, Philippines High School Certificate, South Korea Scholastic Examination, Thailand Mathayom 6, Turkish High
School Certificate, etc.)

Apply with Senior High School Year 10 and Year 11 results before closing date if you are taking national examination in 2024.
If you have already taken your national examination, please apply with Year 12 results. It is compulsory to submit a good pass in IELTS/TOEFL/SAT Reasoning Test/ACT with Writing/PTE Academic/C1 Advanced.
Admission interview will be conducted online for selected candidates. If you have taken at least 3 GCE Advanced Level subjects within 12 months in not more than 2 sittings, either from the same or different examination boards (Cambridge, Edexcel, OCR, AQA), you may submit the results for consideration.
Apply before the closing date and submit HSC results and ATAR/OP score once available if you are in the final year of study.

Admission is based on at least 4 ' $A$ ' Level subjects in a single sitting. Those with good passes in at least 3 ' $A$ ' Level subjects in a single sitting can be considered for admission on non-subsidised tuition fees. Advanced Level subjects with final papers taken in different periods of time are unacceptable.
NTU no longer accepts applications from UK A Levels and International A Level (IAL) holders whose actual A Level results are available in August of the application year i.e. if your actual A level results (A2 results) are available in August 2024, please apply for AY2025 admission instead.

Admission is based on actual IB results. Actual results need to be submitted by the stipulated closing date in March for November Examination; or within 3 days after results are released for May Examination. It is compulsory for applicants to authorise IBO to release their results directly to NTU.
Apply with High School National/Graduation exam
AND
Additional Qualification listed below\#

15 Oct 2023

- 20 Jan 2024

15 Oct 2023
15 Oct 2023
-19 Mar 2024

15 Oct 2023
\# A combination score of 4 and 5 in 3 or more Advanced Placement (AP) Tests from CollegeBoard. AP Calculus BC is compulsory for application to Engineering and most of the Sciences programmes. The AP subjects should be chosen based on the subject prerequisites of the programmes applying for.

Note: The AP score must reach our office by 15 July 2024. Beyond which, test score submitted will not be considered.
Visit https://www.collegeboard.org/ for details on AP Exams.

## OR

At least 3 GCE Advanced Level (UK) subjects taken within 12 months in not more than 2 sittings, either from the same or different examination boards (Cambridge, Edexcel, OCR, AQA). However, applicants must be able to submit actual A level or A2 results before June of the year of application. The A Level subjects taken must meet the minimum subject requirements of the programmes applying for. A-Level Mathematics or A-Level Further Mathematics is required for applying to Engineering and most Science programmes.

Applicants whose actual/final results are released after April 2024 are ineligible to apply for the Medicine, Renaissance Engineering, Arts (Academic Discipline \& Education) and Science (Academic Discipline \& Education) for the AY2024 intake. For those whose actual/final results are available after 15 July 2024, they are ineligible to apply for the Art, Design \& Media programme for the AY2024 intake.

OFFICE OF ADMISSIONS
STUDENT AND ACADEMIC SERVICES DEPARTMENT NANYANG TECHNOLOGICAL UNIVERSITY
Student Services Centre, \#03-01
42 Nanyang Avenue
Singapore 639815

For enquiries, please submit here.

