

# Minimum Subject Requirements for Students with **International Baccalaureate Diploma**

You are offering the International Baccalaureate (IB) Diploma, awarded by the International Baccalaureate Organization (IBO).

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

## **Application Window:**

15 Oct 2025  
to  
19 March 2026



*Apply to NTU  
with IB Diploma*

## COLLEGE OF COMPUTING AND DATA SCIENCE



| Programmes  | Minimum Subject Requirements   | Selection Test/<br>Interview |
|---|--|------------------------------|
| Artificial Intelligence and Society\$   | Mathematics at Higher Level, or<br>Physics/Computer Science at Higher Level  |                              |
| Business and Computer Engineering<br>(Double Degree)                                | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology/Computer Science at Higher Level, and<br>A good grade in English at Standard Level |                              |
| Business and Computing (Double Degree)  | Mathematics at Higher Level, or<br>Physics/Computer Science at Higher Level, and<br>A good grade in English at Standard Level                    |                              |
| Computer Engineering*^ E a  | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology/Computer Science at Higher Level   |                              |
| Computer Engineering with a Second Major<br>a in                                    |  |                              |
| - Business  |  |                              |
| - Data Analytics  |  |                              |
| - Entrepreneurship  |  |                              |
| - Sustainability  |  |                              |
| Computer Science*^ A E \$   | Mathematics at Higher Level, or<br>Physics/Computer Science at Higher Level  |                              |
| Computer Science with a Second Major \$ in  |  |                              |
| - Business  |  |                              |
| - Entrepreneurship  |  |                              |
| - Sustainability  |  |                              |
| Data Science and Artificial Intelligence\$  | Mathematics at Higher Level  |                              |
| Data Science and Artificial Intelligence with<br>a Second Major in Sustainability\$ |  |                              |

## RENAISSANCE ENGINEERING PROGRAMME



| Programme                                      | Minimum Subject Requirements   | Selection Test/ Interview |
|--|--|---------------------------|
| Renaissance Engineering Programme <sup>Y</sup> | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology/Computer Science at Higher Level | Yes                       |

## COLLEGE OF ENGINEERING



| Programmes   | Minimum Subject Requirements   | Selection Test/ Interview |
|--|--|---------------------------|
| Aerospace Engineering* <sup>AE</sup>                         | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology/Computer Science at Higher Level |                           |
| Aerospace Engineering with a Second Major in                 |  |                           |
| - Business   |  |                           |
| - Data Analytics   |  |                           |
| - Entrepreneurship   |  |                           |
| - Sustainability   |  |                           |
| Bioengineering* <sup>AE</sup>                                | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology/Computer Science at Higher Level |                           |
| Bioengineering with a Second Major in                        |  |                           |
| - Business   |  |                           |
| - Data Analytics   |  |                           |
| - Entrepreneurship   |  |                           |
| - Future Foods <sup>NEW</sup>                                |  |                           |
| - Pharmaceutical Engineering                                 |  |                           |
| - Sustainability   |  |                           |
| Chemical and Biomolecular Engineering* <sup>AE</sup>         | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology/Computer Science at Higher Level |                           |
| Chemical and Biomolecular Engineering with a Second Major in |  |                           |
| - Business   |  |                           |
| - Data Analytics   |  |                           |
| - Entrepreneurship   |  |                           |
| - Future Foods <sup>NEW</sup>                                |  |                           |
| - Sustainability   |  |                           |

| Programmes  | Minimum Subject Requirements   | Selection Test/<br>Interview |
|---|--|------------------------------|
| Civil Engineering* <sup>AE</sup>                                | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology/Computer Science at Higher Level |                              |
| Civil Engineering with a Second Major in                        |  |                              |
| - Business  |  |                              |
| - Data Analytics  |  |                              |
| - Entrepreneurship  |  |                              |
| - Society and Urban Systems                                     |  |                              |
| - Sustainability  |  |                              |
| Electrical and Electronic Engineering* <sup>AE</sup>            | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology/Computer Science at Higher Level |                              |
| Electrical and Electronic Engineering with a<br>Second Major in |  |                              |
| - Business  |  |                              |
| - Data Analytics  |  |                              |
| - Entrepreneurship  |  |                              |
| - Society and Urban Systems                                     |  |                              |
| - Sustainability  |  |                              |
| Environmental Engineering* <sup>AE</sup>                        | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology/Computer Science at Higher Level |                              |
| Environmental Engineering with a Second<br>Major in             |  |                              |
| - Business  |  |                              |
| - Data Analytics  |  |                              |
| - Entrepreneurship  |  |                              |
| - Future Foods <sup>NEW</sup>                                   |  |                              |
| - Society and Urban Systems                                     |  |                              |
| - Sustainability  |  |                              |
| Information Engineering and Media* <sup>AE</sup>                | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology/Computer Science at Higher Level |                              |
| Information Engineering and Media with a<br>Second Major in     |  |                              |
| - Business  |  |                              |
| - Data Analytics  |  |                              |
| - Entrepreneurship  |  |                              |
| - Sustainability  |  |                              |
| Maritime Studies <sup>S</sup>                                   | Mathematics at Standard Level  |                              |
| Maritime Studies with a Second Major in                         |  |                              |
| - Business <sup>S</sup>   |  |                              |
| - Sustainability <sup>S</sup>                                   | Mathematics at Higher Level  |                              |
| - Data Analytics <sup>S</sup>                                   |  |                              |
| Materials Engineering* <sup>AE</sup>                            | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology at Higher Level                  |                              |
| Materials Engineering with a Second Major in                    |  |                              |
| - Business  |  |                              |
| - Data Analytics  |  |                              |
| - Entrepreneurship  |  |                              |
| - Future Foods <sup>NEW</sup>                                   |  |                              |
| - Medical Biology   |  |                              |
| - Pharmaceutical Engineering                                    |  |                              |
| - Sustainability  |  |                              |
| Mechanical Engineering* <sup>AE</sup>                           | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology/Computer Science at Higher Level |                              |
| Mechanical Engineering with a Second<br>Major in                |  |                              |
| - Business  |  |                              |
| - Data Analytics  |  |                              |
| - Entrepreneurship  |  |                              |
| - Society and Urban Systems                                     |  |                              |
| - Sustainability  |  |                              |



## COLLEGE OF ENGINEERING

| Programmes   | Minimum Subject Requirements  | Selection Test/ Interview |
|--|---|---------------------------|
| Process Engineering and Synthetic Chemistry <sup>NEW</sup> | Mathematics at Higher Level, and Chemistry at Higher Level                                  | Yes                       |
| Robotics <sup>NEW</sup>                                    | Mathematics at Higher Level, and Physics/Chemistry/Biology/Computer Science at Higher Level |                           |
| Robotics with a Second Major in <sup>NEW</sup>             |   |                           |
| - Business   |   |                           |
| - Data Analytics   |   |                           |
| - Entrepreneurship   |   |                           |
| - Society and Urban Systems                                |   |                           |
| - Sustainability   |   |                           |



## COLLEGE OF HUMANITIES, ARTS AND SOCIAL SCIENCES

| Programmes   | Minimum Subject Requirements   | Selection Test/<br>Interview |
|--|--|------------------------------|
| Art, Design and Media  | Mathematics at Standard Level, and<br>A good grade in English at Standard Level<br><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><br>For specific submission instructions and details, please refer to <a href="#">ADM Admissions Requirements</a> . |                              |
| Chinese  | A good grade in Chinese at Standard Level  | Yes                          |
| Chinese and English (Double Major) <sup>3%</sup>   | A good grade in Chinese at Standard Level, and<br>A good grade in English at Standard Level  |                              |
| Chinese and Linguistics & Multilingual Studies (Double Major) <sup>3%</sup>                            |  |                              |
| Communication Studies  |  |                              |
| Communication Studies with a Second Major in<br>- Business<br>- Governance and International Relations | Mathematics at Standard Level, and<br>A good grade in English at Standard Level  |                              |
| Economics  | A good grade in Mathematics at Standard Level, and<br>A good grade in English at Standard Level  | On a selective basis         |
| Economics with a Second Major in Business  |  |                              |
| Economics and Data Science <sup>5</sup>  | A good grade in Mathematics at Higher Level, and<br>A good grade in English at Standard Level  |                              |
| Economics and Media Analytics (Double Major) <sup>3%</sup>   | A good grade in Mathematics at Higher Level, and<br>A good grade in English at Standard Level  |                              |
| Economics and Psychology (Double Major) <sup>3%</sup>  |  |                              |
| Economics and Public Policy & Global Affairs (Double Major) <sup>3%</sup>                              |  |                              |
| English  | A good grade in English at Standard Level  |                              |
| English Literature and Art History (Double Major) <sup>3%</sup>  |  |                              |
| English and History (Double Major) <sup>3%</sup>   |  |                              |
| English and Philosophy (Double Major) <sup>3%</sup>  |  |                              |
| History  | A good grade in English at Standard Level, and<br>A good grade in Chinese at Standard Level  |                              |
| History and Chinese (Double Major) <sup>3%</sup>   |  |                              |
| History and Linguistics & Multilingual Studies (Double Major) <sup>3%</sup>                            | A good grade in English at Standard Level  |                              |
| Linguistics and Multilingual Studies   |  |                              |
| Linguistics & Multilingual Studies and English (Double Major) <sup>3%</sup>                            |  |                              |
| Linguistics & Multilingual Studies and Philosophy (Double Major) <sup>3%</sup>                         |  |                              |
| Philosophy   |  |                              |

## COLLEGE OF HUMANITIES, ARTS AND SOCIAL SCIENCES



| Programmes   | Minimum Subject Requirements   | Selection Test/ Interview |
|--|--|---------------------------|
| Philosophy and Chinese (Double Major)  | A good grade in English at Standard Level, and<br>A good grade in Chinese at Standard Level  | Yes                       |
| Philosophy and History (Double Major)  | A good grade in English at Standard Level  |                           |
| Philosophy, Politics and Economics   | A good grade in Mathematics at Higher Level, and<br>A good grade in English at Standard Level  | On a selective basis      |
| Psychology   | A good grade in Mathematics at Standard Level, and<br>A good grade in English at Standard Level  | On a selective basis      |
| Psychology with a Second Major in Biological Sciences                                | A good grade in Mathematics at Standard Level, and<br>A good grade in English at Standard Level, and,<br>Physics/Chemistry/Biology at Standard Level |                           |
| Psychology and Linguistics & Multilingual Studies (Double Major)                     | A good grade in Mathematics at Standard Level, and<br>A good grade in English at Standard Level  | Yes                       |
| Psychology and Media Analytics (Double Major)  |  | On a selective basis      |
| Public Policy and Global Affairs   | A good grade in English at Standard Level  | On a selective basis      |
| Public Policy and Global Affairs with a Second Major in Media and Journalism Studies | Mathematics at Standard Level, and<br>A good grade in English at Standard Level  |                           |
| Sociology  | A good grade in English at Standard Level  |                           |

## COLLEGE OF SCIENCE



| Programmes  | Minimum Subject Requirements   | Selection Test/ Interview |
|---|--|---------------------------|
| Biological Sciences   | Mathematics at Standard Level, and<br>Physics/Chemistry/Biology at Higher Level  | On a selective basis      |
| Biological Sciences with a Second Major in  |  |                           |
| - Biomedical Structural Biology   |  |                           |
| - Future Foods  |  |                           |
| - Sustainability  |  |                           |
| - Data Analytics  | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology at Higher Level  | On a selective basis      |
| - Medicinal Chemistry and Pharmacology  | Mathematics at Standard Level, and<br>Chemistry at Higher Level  |                           |
| Biomedical Sciences and BioBusiness (Double Major)                                    | Mathematics at Standard Level, and<br>Physics/Chemistry/Biology at Higher Level  | Yes                       |
| Biological Sciences and Psychology (Double Major)                                     | A good grade in Mathematics at Standard Level, and<br>Physics/Chemistry/Biology at Higher Level, and<br>A good grade in English at Standard Level            | On a selective basis      |
| Chemistry and Biological Chemistry  | Chemistry at Higher Level, and<br>Mathematics/Physics at Higher Level  |                           |
| Chemistry and Biological Chemistry with a Second Major in                             |  |                           |
| - Business (International Trading)  |  |                           |
| - Entrepreneurship  |  |                           |
| - Environmental Science   |  |                           |
| - Future Foods  |  |                           |
| - Sustainability  | Chemistry at Higher Level, and<br>Mathematics at Higher Level  |                           |
| - Data Analytics  |  |                           |
| Chinese Medicine  | Mathematics at Standard Level, and<br>Physics/Chemistry/Biology at Higher Level, and<br>Chinese at Standard Level  | Yes                       |
| Environmental Earth Systems Science   | Mathematics at Standard Level, and<br>Physics/Chemistry/Biology/Computer Science/Economics at Higher Level   | On a selective basis      |
| Environmental Earth Systems Science with a Second Major in                            |  |                           |
| - Entrepreneurship  |  |                           |
| - Future Foods  |  |                           |
| - Sustainability  |  |                           |
| - Data Analytics  | Mathematics at Higher Level, and<br>Physics/Chemistry/Biology/Computer Science at Higher Level   |                           |
| Environmental Earth Systems Science and Public Policy & Global Affairs (Double Major) | Mathematics at Standard Level, and<br>Physics/Chemistry/Biology/Computer Science/Economics at Higher Level, and<br>A good grade in English at Standard Level |                           |





| Programmes   | Minimum Subject Requirements  | Selection Test/ Interview |
|--|---|---------------------------|
| Mathematical Sciences <sup>AA</sup>                | Mathematics at Higher Level   |                           |
| Mathematical Sciences with a Second Major in       |   |                           |
| - Entrepreneurship                                 | Mathematics at Higher Level   |                           |
| - Sustainability                                   |   |                           |
| - Data Analytics                                   | Mathematics at Higher Level, and Physics/Chemistry/Biology/Computer Science at Higher Level |                           |
| Mathematical and Computer Sciences (Double Major)  | Mathematics at Higher Level, and Physics/Chemistry/Biology/Computer Science at Higher Level |                           |
| Mathematical Sciences and Economics (Double Major) | Mathematics at Higher Level, and A good grade in English at Standard Level                  |                           |
| Applied Physics with a Second Major in             |   |                           |
| - Entrepreneurship                                 | Physics <sup>Ⓢ</sup> at Higher Level, and Mathematics at Higher Level                       | On a selective basis      |
| - Medical Physics                                  |   |                           |
| - Microelectronics Engineering                     |   |                           |
| Physics/Applied Physics                            |   |                           |
| Physics/Applied Physics with a Second Major in     |   |                           |
| - Data Analytics                                   | Physics at Higher Level, and Mathematics at Higher Level                                    |                           |
| - Quantum Technologies                             |   |                           |
| - Sustainability                                   |   |                           |
| Physics and Mathematical Sciences (Double Major)   |   |                           |

## LEE KONG CHIAN SCHOOL OF MEDICINE

| Programme | Minimum Subject Requirements  | Selection Test/ Interview |
|-----------|---|---------------------------|
| Medicine  | <p>Chemistry at Higher Level, and Biology/Physics at Higher Level</p> <p>In addition, applicants are required to submit the following materials for admissions assessment:</p> <ol style="list-style-type: none"> <li>Academic results</li> <li>University Clinical Aptitude Test (UCAT) results <ul style="list-style-type: none"> <li>Only UCAT results taken in the twelve-month period prior to admission to LKCMedicine will be considered in the selection process.</li> </ul> </li> <li>Personal statement</li> <li>Two online referee reports <ul style="list-style-type: none"> <li>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.</li> </ul> </li> </ol> <p>Applicants are also recommended to provide details of exceptional talents and/or outstanding achievements beyond school co-curricular activities for admissions assessment.</p> <p><b>University Clinical Aptitude Test (UCAT)</b></p> <p>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.</p> <p>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.</p> <p>It is a two-hour test consisting of four 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.</p> <p>If one is applying to the AY2026-27 intake of LKCMedicine, one should take UCAT between 7 July and 26 September 2025, prior to applying to LKCMedicine.</p> <p>A copy of the UCAT leaflet can be downloaded <a href="#">here</a>.</p> <p>For more details on the UCAT, including information on how to prepare for it, please click <a href="#">here</a>.</p> <p>For further details, please visit <a href="https://www.ntu.edu.sg/medicine/education/bachelor-of-medicine-and-bachelor-of-surgery-(mbbs)">https://www.ntu.edu.sg/medicine/education/bachelor-of-medicine-and-bachelor-of-surgery-(mbbs)</a>.</p> | Yes                       |

| Programmes  | Minimum Subject Requirements  | Selection Test/<br>Interview                            |
|---|---|---|
| Accountancy <sup>#</sup>  | Mathematics at Standard Level, and<br>A good grade in English at Standard Level | Some<br>candidates may<br>be invited for<br>interviews. |
| Accountancy (Sustainability Management<br>with Analytics)                           |   |   |
| Accountancy with a Second Major in  |   |   |
| - Entrepreneurship  |   |   |
| - Sustainability  |   |   |
| Accountancy and Data Science & Artificial<br>Intelligence (Double Degree)           | Mathematics at Higher Level, and<br>A good grade in English at Standard Level   |   |
| Accountancy and Business<br>(Double Degree)   | Mathematics at Standard Level, and<br>A good grade in English at Standard Level |   |
| Accountancy and Business (Double Degree)<br>with a Second Major in Entrepreneurship |   |   |
| Applied Computing in Finance  | Mathematics at Higher Level, and<br>A good grade in English at Standard Level   |   |
| Business (Double Major) <sup>NEW</sup>  | Mathematics at Standard Level, and<br>A good grade in English at Standard Level |   |
| Business (Single Major)   |   |   |
| Business with Second Major in   |   |   |
| - Entrepreneurship  |   |   |
| - Sustainability  |   |   |

**NATIONAL INSTITUTE OF EDUCATION**

| Programmes   | Minimum Subject Requirements                             | Selection Test/<br>Interview |
|--|--|------------------------------|
| Arts (Academic Discipline & Education)                            | A good overall International Baccalaureate Diploma score | Yes                          |
| Science (Academic Discipline & Education)                         |  |                              |
| Sport Science & Management                                        | Mathematics at Standard Level                            |                              |
| Sport Science & Management with a Second Major in Sustainability  |  |                              |

**Footnote to Minimum Subject Requirements**

- + Physics at Standard Level/equivalent is only applicable to applicants who have not read Physics at Higher Level.
- ¥ Programme leading to Bachelor of Engineering Science and Master of Science in Technology Management.
- \* 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 Business.
- £ The programme is also offered as a single degree programme with a Minor in International Trading.
- § Programme leading to Bachelor of Science degree.
- ⌘ The programme is offered as a single degree programme with two distinct majors. Each major carries equal weight in the degree.
- ^^ The programme is also offered as a single degree programme with a Minor in Finance.
- ⊕ Applicants who do not offer Physics at Higher Level may also be admitted, subject to passing an admissions test.
- # The programme is also offered as a single degree programme with a Minor in Digitalisation and Data Analytics.
- ▲ These degree programmes offer many courses which may require further subject prerequisites. Please refer to the National Institute of Education (NIE) website for details.
- Ⓐ Programme leading to Bachelor of Engineering.
- § Programme leading to Bachelor of Computing.
- Ⓢ This is a double major programme leading to a Bachelor of Engineering Science degree.

**OFFICE OF ADMISSIONS  
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   NTUadmissions

 <https://www.ntu.edu.sg/admissions/undergraduate>

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