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 criteria, applicants have to meet the following minimum subject requirements of the degree programmes/inspection page.

Subject Requirements

- Mathematics at Standard Level
- Physics at Standard Level
- Chemistry at Higher Level, and
- Biology/Physics at Higher Level

In addition, applicants are required to take the following minimum subjects for engineering management, accountancy, and business.

- Mathematics at Standard Level (Or a selective basis)
- Physics at Standard Level (Or a selective basis)
- Chemistry at Standard Level
- Economics (Or a selective basis)
- Information Technology (Or a selective basis)

For further details, please visit www.lkcmmedicine.ntu.edu.sg/Admissions/Pages/results.aspx.

For more details on the BMAT, please refer to www.bmat.org.uk.

Applicants will have to register for the BMAT. Applicants who do not take both the BMAT and submit a written application for LKCMedicine will be considered in the selection process. For more details on the BMAT, please refer to www.lkcmmedicine.ntu.edu.sg.

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COLLEGE OF ENGINEERING

Programmes

- Aerospace Engineering (Double Degree)
- Aeronautics and Astronautics with a Second Major in Business
- Biomedical Engineering with a Second Major in Business
- Business and Computer Engineering (Double Degree)
- Business and Computing (Double Degree)
- Chemical and Biological Engineering (Double Degree)
- Chemical and Biomedical Engineering with a Second Major in Business
- Civil Engineering
- Civil Engineering with a Second Major in Business
- Computer Engineering
- Computer Science
- Computer Science with a Second Major in Business
- Data Science and Artificial Intelligence
- Electrical and Electronic Engineering
- Electrical and Electronic Engineering with a Second Major in Business
- Environmental Engineering
- Environmental Engineering with a Second Major in Business
- Information Engineering and Media
- Information Engineering and Media with a Second Major in Business

Minimum Subject Requirements

- Mathematics at Higher Level, and Physics/Chemistry/Biology at Higher Level, and Physics at Standard Level/equivalent
- Mathematics at Higher Level, and Physics/Chemistry/Biology at Higher Level, and Physics at Standard Level/equivalent
- Mathematics at Higher Level, and Physics/Chemistry/Biology at Higher Level, and Physics at Standard Level/equivalent
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- Mathematics at Higher Level, and Physics/Chemistry/Biology at Higher Level, and Physics at Standard Level/equivalent

Selection Test/Interview

- Interview
- Interview
- Interview
- Interview
- Interview
- Interview
- Interview
- Interview

COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES

Programmes

- Art, Design and Media
- Communication Studies
- Communication Studies with a Second Major in Business
- Computer Engineering
- Computer Engineering with a Second Major in Business
- Computer Science
- Computer Science with a Second Major in Business
- Engineering
- Engineering
- Electrical and Electronic Engineering
- Electrical and Electronic Engineering with a Second Major in Business
- Environmental Engineering
- Environmental Engineering with a Second Major in Business
- Information Engineering and Media
- Information Engineering and Media with a Second Major in Business

Minimum Subject Requirements

- Mathematics at Standard Level, and Physics at Standard Level/equivalent
- Mathematics at Standard Level, and Physics at Standard Level/equivalent
- Mathematics at Standard Level, and Physics at Standard Level/equivalent
- Mathematics at Standard Level, and Physics at Standard Level/equivalent
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Selection Test/Interview

- Interview
- Interview
- Interview
- Interview
- Interview
- Interview
- Interview
- Interview
- Interview

COLLEGE OF SCIENCE

Programmes

- Biological Sciences* with a Second Major in... - Environmental Geosciences
- Biomedical Sciences and BioBusiness (Double Major)
- Chemical and Biomolecular Engineering
- Chemistry and Biological Chemistry
- Chemistry and Biological Chemistry with a Second Major in... - Chemical Engineering
- Computer Science
- Economics and Business Analytics
- Economics and Business Analytics (Double Major)
- Economics and Business Analytics (Double Major)
- English Literature
- History
- Linguistics and Multilingual Studies
- Mathematics

Minimum Subject Requirements

- Mathematics at Higher Level, and Physics/Chemistry/Biology at Higher Level, and Physics at Standard Level/equivalent
- Physics at Standard Level/equivalent
- Physics/Chemistry/Biology at Higher Level, and Mathematics at Standard Level, and English at Standard Level
- Mathematics at Higher Level, and Physics/Chemistry/Biology at Higher Level, and Physics at Standard Level/equivalent
- Mathematics at Higher Level, and Physics/Chemistry/Biology at Higher Level, and Physics at Standard Level/equivalent
- Mathematics at Higher Level, and Physics/Chemistry/Biology at Higher Level, and Physics at Standard Level/equivalent
- Mathematics at Higher Level, and Physics/Chemistry/Biology at Higher Level, and Physics at Standard Level/equivalent
- Mathematics at Higher Level, and Physics/Chemistry/Biology at Higher Level, and Physics at Standard Level/equivalent

Selection Test/Interview

- On a selective basis
- On a selective basis
- On a selective basis
- On a selective basis
- On a selective basis
- On a selective basis
- On a selective basis
- On a selective basis

* For applicants with a Second Major in Biological Sciences, these subjects are not required.

For specific submission instructions and details, please refer to www.coe.ntu.edu.sg/undergraduates/ugprogrammes/admissions/requirements.aspx.

For more information on the application process, please visit the College of Science website at www.coe.ntu.edu.sg.
### RENAISSANCE ENGINEERING PROGRAMME

www.ntu.edu.sg/rep

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### COLLEGE OF ENGINEERING

www.coe.ntu.edu.sg

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Business and Computer Engineering
Major in Environmental Engineering with a Second Environmental Engineering
Second Major in Electrical and Electronic Engineering
in Business

Data Science and Artificial Intelligence
Programmes Minimum Subject Requirements Selection Test/ Interview

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics and Mathematical Sciences
Programmes Minimum Subject Requirements Selection Test/ Interview

Mathematics at Higher Level, and
Physics at Higher Level

Mechanical Engineering
Programmes Minimum Subject Requirements Selection Test/ Interview

Mathematics at Higher Level, and
Physics at Higher Level

Chemical and Biomolecular Engineering
Programmes Minimum Subject Requirements Selection Test/ Interview

Physics at Standard Level/equivalent

Mathematics at Higher Level, and
Physics/Chemistry/Biology at Higher Level

Biomedical Sciences and Biobusiness
Double Major in Biomedical Sciences and Biobusiness

Mathematics at Higher Level, and
Physics/Chemistry/Biology at Higher Level

Biological Sciences and Psychology
Double Major in Biology and Psychology

Chemical and Biomolecular Engineering
with a Second Major in
Business

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Materials Engineering with a Second Major in Materials Science and Engineering

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Engineering
Programmes Minimum Subject Requirements Selection Test/ Interview

Mathematics at Higher Level, and
Physics at Higher Level

Chemistry at Higher Level

Any two Physics/Chemistry/Biology at Higher Level

Environmental Engineering
Programmes Minimum Subject Requirements Selection Test/ Interview

Mathematics at Higher Level, and
Physics at Higher Level

Chemical and Biomolecular Engineering
with a Second Major in
Business

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Nanotechnology
Programmes Minimum Subject Requirements Selection Test/ Interview

Mathematics at Higher Level, and
Physics at Higher Level

Chemical and Biomolecular Engineering
with a Second Major in
Business

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Clinical Sciences
Programmes Minimum Subject Requirements Selection Test/ Interview

Mathematics at Higher Level, and
Physics at Higher Level

Mechanical Engineering
Programmes Minimum Subject Requirements Selection Test/ Interview

Mathematics at Higher Level, and
Physics at Higher Level

Chemical and Biomolecular Engineering
with a Second Major in
Business

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Mathematics and Physics (Double Major)

Mathematics at Higher Level, and
Physics at Higher Level

Chemical and Biomolecular Engineering
with a Second Major in
Business

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Mechanical Engineering
Programmes Minimum Subject Requirements Selection Test/ Interview

Mathematics at Higher Level, and
Physics at Higher Level

Chemical and Biomolecular Engineering
with a Second Major in
Business

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Mathematical Sciences and Economics (Double Major)

Mathematics at Higher Level, and
Economics at Higher Level

Mathematical and Computer Sciences
Programmes Minimum Subject Requirements Selection Test/ Interview

Mathematics at Higher Level, and
Physics at Higher Level

Chemical and Biomolecular Engineering
with a Second Major in
Business

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Mathematical Sciences and Economics (Double Major)

Mathematics at Higher Level, and
Economics at Higher Level

Applied Physics with a Second Major in Nanotechnology

Mathematics at Higher Level, and
Physics at Higher Level

Chemical and Biomolecular Engineering
with a Second Major in
Business

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Psychology (Double Major)

Mathematics at Higher Level, and
Physics at Higher Level

Chemical and Biomolecular Engineering
with a Second Major in
Business

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Business and Computer Engineering
Major in Environmental Engineering with a Second Environmental Engineering
Second Major in Electrical and Electronic Engineering
in Business

Data Science and Artificial Intelligence
Programmes Minimum Subject Requirements Selection Test/ Interview

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Biomedical Sciences and Biobusiness
Double Major in Biomedical Sciences and Biobusiness

Mathematics at Higher Level, and
Physics/Chemistry/Biology at Higher Level

Biological Sciences and Psychology
Double Major in Biology and Psychology

Chemical and Biomolecular Engineering
with a Second Major in
Business

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Sociology
Programmes Minimum Subject Requirements Selection Test/ Interview

Mathematics at Higher Level, and
Physics at Higher Level

Chemical and Biomolecular Engineering
with a Second Major in
Business

Mathematics at Higher Level, and
Physics at Standard Level
equivalent

Physics/Chemistry/Biology at Higher Level, and
Mathematics at Higher Level, and
Physics/Chemistry/Biology at Standard Level

Sociology
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 criteria, applicants have to meet the following minimum subject requirements of the degree programmes listed next page.

**Local Qualifications**
**Tel:** (65) 6790 5972/5055
**Fax:** (65) 6794 6510
**Email:** adm_local@ntu.edu.sg

**International Qualifications**
**Tel:** (65) 6790 5806/5807
**Fax:** (65) 6794 6510
**Email:** adm_intnl@ntu.edu.sg

**Download NTU Mobile App** for more information on NTU undergraduate admissions

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**LEE KONG CHIAN SCHOOL OF MEDICINE**
www.lkcmedicine.ntu.edu.sg

**Programme**
Minimum Subject Requirements Selection Test/ Interview

**Medicine**
- Chemistry at Higher Level
- Biology/Physics at Higher Level
- In addition, applicants are required to submit the following materials for admissions assessment:
  1. Two online referee reports
  2. Personal statement
  3. Two optional extra-curricular activities

- Applicants are also advised to provide details of extracurricular activities and achievements.

**Biomedical Admissions Test (BAMT)**

- Applicants will have to register for the Biomedical Admissions Test (BAMT) and take the BAMT as part of the criteria for entry to the Lee Kong Chian School of Medicine (LKCMedicine) programme. Applicants taking the BAMT around October/November will be considered in the selection process. For more details on the BAMT, please refer to www.bmat.org.uk.

**NANYANG BUSINESS SCHOOL**
www.nbs.ntu.edu.sg

**Programme**
Minimum Subject Requirements Selection Test/ Interview

**Accountancy**
- Mathematics at Standard Level

**Accountancy and Business Double Degree**
- Mathematics at Standard Level

**Business**
- Mathematics at Standard Level

**NATIONAL INSTITUTE OF EDUCATION**
www.nie.edu.sg

**Programme**
Minimum Subject Requirements Selection Test/ Interview

**Arts (Education)**
- Mathematics at Standard Level, and
  - English A1/English A/Literature and Performance (in English) at Standard Level

**Science (Education)**
- Mathematics at Standard Level

**SPORT SCIENCE AND MANAGEMENT**
www.ssm.ntu.edu.sg

**Programme**
Minimum Subject Requirements Selection Test/ Interview

**Sport Science and Management**
- Mathematics at Standard Level

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**Footnote to Minimum Subject Requirements**

¥ Programme leading to Bachelor of Engineering Science and Master of Science in Technology Management.

+ Physics at Standard Level is only applicable to applicants who have not read Physics at Higher Level.

^ The programme is also offered as a single degree programme with a Minor in Management.

^ The programme is also offered as a single degree programme with a Minor in Finance.

However, candidates who meet the above admission criteria may apply for Engineering (i.e. Common Engineering) at the point of application. All Common Engineering students will enrol in a common curriculum before being streamed to either Civil Engineering, Electrical and Electronic Engineering, Computer Engineering, Mechanical Engineering or Mechatronics Engineering at the end of Year 1, Semester 1. For details, applications, admissions and streaming into an engineering major are merit-based.

⌘ The programme is offered as a single degree programme with two distinct majors. Each major carries equal weight in the degree.

**NEW**

Some degree programmes offer many courses which may require further subject prerequisites. Please refer to the National Institute of Education (NIE) website for details.
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 criteria, applicants have to meet the following minimum subject requirements of the degree programmes listed next page.

- **Science**: Mathematics at Standard Level
- **Arts**: Mathematics at Standard Level
- **English**: English A1/English A/Literature and Performance (in English) at Standard Level

For further details, please visit www.lkcmedicine.ntu.edu.sg/admissions/Pages/index.aspx.

For more details on the BMAT, please refer to www.bmat.org.uk.

OFFICE OF ADMISSIONS
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Information is correct as at January 2020.