Choose your preferred single degree programme from the 14 OPTIONS available!

Not to worry, there are many other programmes in NTU that you can explore!

To find out more, scan the QR code or visit:
www.ntu.edu.sg/admissions

Fret not! There are 6 programmes that you can choose from.

- BIOENGINEERING*
- CHEMICAL AND BIO-MOLECULAR ENGINEERING*
- MATERIALS ENGINEERING
- DATA SCIENCE AND ARTIFICIAL INTELLIGENCE*
- COMPUTER SCIENCE
- ENVIRONMENTAL ENGINEERING

Meet these requirements?
- Pass in H1/O Level Physics, or
- Physics at Standard Level, or equivalent, or
- Overall Cap of 2.0 in Physics, or
- Junior High School Level Pass in Physics

Challenge yourself further. Take up a MINOR, SECOND MAJOR or pursue a DOUBLE DEGREE.

Second Major in Business
- Consider adding breadth to your single degree programme by taking up a Second Major. Find out more about our Second Majors below.

Second Major in Food Science and Technology
- Develop modern technologies for urban farming, develop food longer-lasting and safe for consumption, and research food waste to high-value food ingredients and increase environmental sustainability.

For more information, please visit:
www.coe.ntu.edu.sg/PE

Second Major in Medical Biology
- Master materials derived from and designed for biological systems, and pursue your interest in biology, control materials and devices.

For more information, please visit:
www.coe.ntu.edu.sg/PE

Second Major in Pharmaceutical Engineering
- Be prepared for an exciting career in the pharmaceutical and healthcare industries with a solid foundation of knowledge in both biochemistry and materials science.

For more information, please visit:
www.coe.ntu.edu.sg/PE

Second Major in Society and Urban Systems
- Engineer better solutions for urban environments to improve the quality of life for people.

For more information, please visit:
www.coe.ntu.edu.sg/PE

With 8 programmes to choose from, you are spoilt for choice!

CIVIL ENGINEERING
Design, build, and maintain the foundation for our modern society – our infrastructure, roads, bridges, etc.

ENVIRONMENTAL ENGINEERING
Develop solutions to environmental problems like air and water pollution, and resource recovery.

The world is literally in your hands.

MATERIALS ENGINEERING
Materials are fundamental to industries today and the future economy. Be part of this revolutionary and exciting engineering field!

Mezzanine Work Study Degree Programme (WSDP) is available for this programme. Find our more on the right.

COMPUTER ENGINEERING
Trained in a distinctive fusion of computer engineering and electronics, lifelong learning, you will deploy the broad knowledge of programming to build new computing platforms and technologies.

ELECTRICAL AND ELECTRONIC ENGINEERING
Identify the world as you revolutionize how people connect and empower future technologies.

INFORMATION ENGINEERS AND MEDIA
Harness your natural talent and creativity with information, communications and data analytics.

MECHANICAL ENGINEERING
Mezzanine Work Study Degree Programme (WSDP) is available for this programme. Find our more on the right.

AEROSPACE ENGINEERING
Take to greater heights as you develop leading-edge technologies and integrate them into aerospace vehicle systems.

* If you are taking up Bioengineering with a Second Major in Pharmaceutical Engineering or Bioengineering/Chemical and Biomedical Engineering with a Second Major in Food Science and Technology, you will require at least a pass in H1/O Level Physics, Standard Level Physics, Junior High School Level Physics, or achieve an overall CAP of 2.0 in Physics.

** Denotes Bachelor of Science programme.
### Bachelor of Engineering (B.Eng) Programmes

- Aerospace Engineering
- Civil Engineering
- Computer Engineering
- Electrical and Electronic Engineering
- Engineering
- Environmental Engineering
- Information Engineering and Metrology
- Mechanical Engineering
- Biomedical Engineering
- Chemical and Biomedical Engineering
- Computer Science
- Materials Engineering
- Engineering with a Minor in Business (Applicable to all single degree Engineering programmes listed above)
- Engineering with a Minor in International Trading (Applicable to all single degree Engineering programmes listed above)
- Data Science and Artificial Intelligence
- Mathematical and Computer Sciences (Double Major)
- Maritime Studies
- Bachelor of Engineering in Biomedical Engineering/Chemical and Biomedical Engineering with a Second Major in Food Science and Technology
- Bachelor of Engineering in Materials Engineering with a Second Major in Medical Biology
- Bachelor of Engineering in Biomedical Engineering with a Second Major in Pharmaceutical Engineering
- Bachelor of Engineering in Materials Engineering with a Second Major in Pharmaceutical Engineering
- Bachelor of Engineering in Civil Engineering/Electrical and Electronic Engineering/Environmental Engineering/Mechanical Engineering with a Second Major in Society and Urban Systems
- Bachelor of Science in Maritime Studies with a Second Major in Business

### Double Degree Programmes

- Bachelor of Engineering (Computer Engineering) and Bachelor of Science (with specialisation in Business Analytics)
- Bachelor of Engineering (Computer Science) and Bachelor of Science (with specialisation in Business Analytics)
- Bachelor of Engineering in your chosen major and Bachelor of Arts (Honours) in Economics

### Second Majors

- Bachelor of Engineering in your chosen major with a Second Major in Business

### Part-Time Bachelor of Engineering (B.Eng) Programmes

- Computer Science
- Electrical and Electronic Engineering
- Mechanical Engineering

### MINIMUM SUBJECT REQUIREMENTS

#### Bachelor of Engineering (B.Eng) Programmes

**Singapore-Cambridge GCE 'A' Level**

- Pass in H2 Level Mathematics, and
- Pass in H2 Level Chemistry/Physics/Computing/Physics, and
- Pass in H1/H2 Level Physics/Computer Science or equivalent

**International Baccalaureate Diploma**

- Pass in Higher Level Mathematics, and
- Pass in Higher Level Chemistry/Physics/Computer Science/Physics, and
- Pass in Standard Level Physics or equivalent

**NUS High School Diploma**

- Major CAP of 2.0 in Mathematics, and
- Major CAP of 2.0 in Biology/Chemistry/Physics, and
- Overall CAP of 2.0 in Physics or equivalent

**International and Other Qualifications**

- Pass in Senior High School Level Mathematics, and
- Pass in Senior High School Level Biology/Chemistry/Physics, and
- Pass in Junior High School Level Physics

Please refer to the minimum subject requirements for the respective single degree Engineering programmes stated above.

**Bachelor of Science (B.Sc.) Programmes**

- Data Science and Artificial Intelligence
- Mathematical and Computer Sciences (Double Major)
- Maritime Studies

**Double Degree Programmes**

- Bachelor of Engineering (Computer Engineering) and Bachelor of Science (with specialisation in Business Analytics)
- Bachelor of Engineering (Computer Science) and Bachelor of Science (with specialisation in Business Analytics)
- Bachelor of Engineering in your chosen major and Bachelor of Arts (Honours) in Economics (Applicable to all single degree Engineering programmes listed above)

**Second Majors**

- Bachelor of Engineering in your chosen major with a Second Major in Business

**Part-Time Bachelor of Engineering (B.Eng) Programmes**

- Computer Science
- Electrical and Electronic Engineering
- Mechanical Engineering

- Aerospace Engineering
- Civil Engineering
- Computer Engineering
- Electrical and Electronic Engineering
- Engineering
- Environmental Engineering
- Information Engineering and Metrology
- Mechanical Engineering
- Biomedical Engineering
- Chemical and Biomedical Engineering
- Computer Science
- Materials Engineering
- Engineering with a Minor in Business (Applicable to all single degree Engineering programmes listed above)
- Engineering with a Minor in International Trading (Applicable to all single degree Engineering programmes listed above)
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- Bachelor of Engineering in Materials Engineering with a Second Major in Medical Biology
- Bachelor of Engineering in Biomedical Engineering with a Second Major in Pharmaceutical Engineering
- Bachelor of Engineering in Materials Engineering with a Second Major in Pharmaceutical Engineering
- Bachelor of Engineering in Civil Engineering/Electrical and Electronic Engineering/Environmental Engineering/Mechanical Engineering with a Second Major in Society and Urban Systems
- Bachelor of Science in Maritime Studies with a Second Major in Business

### MINIMUM SUBJECT REQUIREMENTS

#### Bachelor of Science (B.Sc.) Programmes

**International Baccalaureate Diploma**

- Pass in Higher Level Mathematics, and
- Pass in Higher Level Chemistry/Physics/Computer Science/Physics, and
- Pass in Standard Level Physics or equivalent

**NUS High School Diploma**

- Major CAP of 2.0 in Mathematics, and
- Major CAP of 2.0 in Biology/Chemistry/Physics, and
- Overall CAP of 2.0 in Physics or equivalent

**International and Other Qualifications**

- Pass in Senior High School Level Mathematics, and
- Pass in Senior High School Level Biology/Chemistry/Physics, and
- Pass in Junior High School Level Physics

Please refer to the minimum subject requirements for the respective single degree Engineering programmes stated above.

**Double Degree Programmes**

- Data Science and Artificial Intelligence
- Mathematical and Computer Sciences (Double Major)
- Maritime Studies

**Second Majors**

- Bachelor of Engineering in your chosen major with a Second Major in Business

**Part-Time Bachelor of Engineering (B.Eng) Programmes**

- Computer Science
- Electrical and Electronic Engineering
- Mechanical Engineering

- Aerospace Engineering
- Civil Engineering
- Computer Engineering
- Electrical and Electronic Engineering
- Engineering
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- Information Engineering and Metrology
- Mechanical Engineering
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- Engineering with a Minor in International Trading (Applicable to all single degree Engineering programmes listed above)
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- Mathematical and Computer Sciences (Double Major)
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- Bachelor of Engineering in Materials Engineering with a Second Major in Pharmaceutical Engineering
- Bachelor of Engineering in Civil Engineering/Electrical and Electronic Engineering/Environmental Engineering/Mechanical Engineering with a Second Major in Society and Urban Systems
- Bachelor of Science in Maritime Studies with a Second Major in Business

### MINIMUM SUBJECT REQUIREMENTS

#### Double Degree Programmes

**International Baccalaureate Diploma**

- Pass in Higher Level Mathematics, and
- Pass in Higher Level Chemistry/Physics/Computer Science/Physics, and
- Pass in Standard Level Physics or equivalent

**NUS High School Diploma**

- Major CAP of 2.0 in Mathematics, and
- Major CAP of 2.0 in Biology/Chemistry/Physics, and
- Overall CAP of 2.0 in Physics or equivalent

**International and Other Qualifications**

- Pass in Senior High School Level Mathematics, and
- Pass in Senior High School Level Biology/Chemistry/Physics, and
- Pass in Junior High School Level Physics

Please refer to the minimum subject requirements for the respective single degree Engineering programmes stated above.

**Second Majors**

- Bachelor of Engineering in your chosen major with a Second Major in Business

**Part-Time Bachelor of Engineering (B.Eng) Programmes**

- Computer Science
- Electrical and Electronic Engineering
- Mechanical Engineering

- Aerospace Engineering
- Civil Engineering
- Computer Engineering
- Electrical and Electronic Engineering
- Engineering
- Environmental Engineering
- Information Engineering and Metrology
- Mechanical Engineering
- Biomedical Engineering
- Chemical and Biomedical Engineering
- Computer Science
- Materials Engineering
- Engineering with a Minor in Business (Applicable to all single degree Engineering programmes listed above)
- Engineering with a Minor in International Trading (Applicable to all single degree Engineering programmes listed above)
- Data Science and Artificial Intelligence
- Mathematical and Computer Sciences (Double Major)
- Maritime Studies
- Bachelor of Engineering in Biomedical Engineering/Chemical and Biomedical Engineering with a Second Major in Food Science and Technology
- Bachelor of Engineering in Materials Engineering with a Second Major in Medical Biology
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- Bachelor of Engineering in Materials Engineering with a Second Major in Pharmaceutical Engineering
- Bachelor of Engineering in Civil Engineering/Electrical and Electronic Engineering/Environmental Engineering/Mechanical Engineering with a Second Major in Society and Urban Systems
- Bachelor of Science in Maritime Studies with a Second Major in Business

### MINIMUM SUBJECT REQUIREMENTS

#### Second Majors

**Bachelor of Engineering in your chosen major with a Second Major in Business**

- Bachelor of Engineering in Biomedical Engineering/Chemical and Biomedical Engineering with a Second Major in Food Science and Technology
- Bachelor of Engineering in Materials Engineering with a Second Major in Medical Biology
- Bachelor of Engineering in Biomedical Engineering with a Second Major in Pharmaceutical Engineering
- Bachelor of Engineering in Materials Engineering with a Second Major in Pharmaceutical Engineering
- Bachelor of Engineering in Civil Engineering/Electrical and Electronic Engineering/Environmental Engineering/Mechanical Engineering with a Second Major in Society and Urban Systems
- Bachelor of Science in Maritime Studies with a Second Major in Business

### MINIMUM SUBJECT REQUIREMENTS

#### Part-Time Bachelor of Engineering (B.Eng) Programmes

- Computer Science
- Electrical and Electronic Engineering
- Mechanical Engineering

- Aerospace Engineering
- Civil Engineering
- Computer Engineering
- Electrical and Electronic Engineering/Environmental Engineering/Mechanical Engineering with a Second Major in Society and Urban Systems
- Bachelor of Science in Maritime Studies with a Second Major in Business

### MINIMUM SUBJECT REQUIREMENTS

#### Part-Time Bachelor of Engineering (B.Eng) Programmes

- Computer Science
- Electrical and Electronic Engineering
- Mechanical Engineering

- Aerospace Engineering
- Civil Engineering
- Computer Engineering
- Electrical and Electronic Engineering/Environmental Engineering/Mechanical Engineering with a Second Major in Society and Urban Systems
- Bachelor of Science in Maritime Studies with a Second Major in Business

**DIPLOMA HOLDERS**

Applicants should have a relevant diploma from one of the local polytechnics. Those with a Certificate of Merit, Diploma with Merit or Diploma with Distinction may apply for any programme in NTU regardless of the diploma.

For a list of acceptable local diplomas, please refer to www.coe.ntu.edu.sg/PolyDiploma

**INTERNATIONAL STUDENTS**

International students must have completed at least 12 years of general education or be taking their 12th national examinations in the year of application in order to be considered for admission. In addition to fulfilling the minimum entry requirements, applicants must also satisfy the minimum subject requirements.

For further details, please refer to www.coe.ntu.edu.sg/InternationalOthers

Please refer to the College’s and Schools’ websites for more information on the Second Majors and Double Degree programmes.

**NOTES**

1. Pass in Standard Level Physics is only applicable to applicants who have not taken Higher Level Physics.
2. Overall CAP of 2.0 in Physics is only applicable to applicants who have not majored in Physics.
3. Pass in Senior High School Level Physics is only applicable to applicants who have not taken Senior High School Level Physics.
4. Pass in Standard Level Physics is only applicable to applicants who have not taken Higher Level Physics.
5. This programme is also offered jointly with the College of Humanities, Arts and Social Sciences as a double degree programme with Economics.
6. This programme is also offered jointly with the College of Humanities, Arts and Social Sciences as a single degree programme with a Second Major in Society and Urban Systems.
7. 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 need to take 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.