

## NTU Entrance Examination Paper Requirements

Check the following table to confirm the papers you will be taking:

### Engineering & IT

Programme	English	Maths A-Level	Maths AO-Level	Physics	Chemistry
Aerospace Engineering * +	X	X		X	
Aerospace Engineering with a Second Major in Entrepreneurship	X	X		X	
Aerospace Engineering with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X	
Bioengineering * +	X	X		X #	X #
Bioengineering with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X #	X #
Bioengineering with a Second Major in Entrepreneurship	X	X		X #	X #
Bioengineering with a Second Major in Food Science & Technology	X	X		X	
Bioengineering with a Second Major in Pharmaceutical Engineering	X	X		X #	X #@
Business & Computing	X	X		X #	X #
Business & Computer Engineering	X	X		X	
Chemical & Biomolecular Engineering * +	X	X		X #	X #
Chemical and Biomolecular Engineering with a Second Major in in Data Analytics <sup>NEW</sup>	X	X		X #	X #
Chemical and Biomolecular Engineering with a Second Major in Entrepreneurship	X	X		X #	X #
Chemical & Biomolecular Engineering with a Second Major in Food Science & Technology	X	X		X	
Civil Engineering * +	X	X		X	
Civil Engineering with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X	
Civil Engineering with a Second Major in Entrepreneurship	X	X		X	
Civil Engineering with a Second Major in Society and Urban Systems	X	X		X	
Computer Engineering * +	X	X		X	
Computer Engineering with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X	

Programme	English	Maths A-Level	Maths AO-Level	Physics	Chemistry
Computer Engineering with a Second Major in Entrepreneurship	X	X		X	
Computer Science * +	X	X		X #	X #
Computer Science with a Second Major in Entrepreneurship	X	X		X #	X #
Data Science and Artificial Intelligence	X	X		X #	X #
Electrical & Electronic Engineering * +	X	X		X	
Electrical and Electronic Engineering with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X	
Electrical and Electronic Engineering with a Second Major in Entrepreneurship	X	X		X	
Electrical And Electronic Engineering with a Second Major in Society and Urban Systems	X	X		X	
Engineering +	X	X		X	
Environmental Engineering * +	X	X		X	
Environmental Engineering with a with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X	
Environmental Engineering with a with a Second Major in Entrepreneurship	X	X		X	
Environmental Engineering with a Second Major In Society And Urban Systems	X	X		X	
Information Engineering & Media * +	X	X		X	
Information Engineering & Media with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X	
Information Engineering & Media with a Second Major in Entrepreneurship	X	X		X	
Materials Engineering * +	X	X		X #	X #
Materials Engineering with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X #	X #
Materials Engineering with a Second Major in Entrepreneurship	X	X		X #	X #
Materials Engineering with a Second Major in Pharmaceutical Engineering	X	X		X #	X #@
Materials Engineering with a Second Major in Medical Biology	X	X		X #	X #@
Mechanical Engineering * +	X	X		X	
Mechanical Engineering with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X	
Mechanical Engineering with a Second Major in Entrepreneurship	X	X		X	
Mechanical Engineering with a Second Major in Society and Urban Systems	X	X		X	
Maritime Studies ▲	X		X		

Programme	English	Maths A-Level	Maths AO-Level	Physics	Chemistry
Maritime Studies with a Second Major in Business ▲	X		X		
Maritime Studies with a Second Major in Data Analytics ▲ <sup>NEW</sup>	X	X			
Renaissance Engineering Programme	X	X		X	

## Science

Programme	English	Maths A-Level	Maths AO-Level	Physics	Chemistry
Biological Sciences	X	X ^		X ^	X
Biological Sciences and Psychology (Double Major)	X	X ^		X ^	X
Biological Sciences with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X #	X #
Biological Sciences with a Second Major in Food Science & Technology	X	X			X
Biological Sciences with a Second Major in Medicinal Chemistry and Pharmacology	X	X			X
Biological Sciences with a Second Major in Biomedical Structural Biology	X	X ^		X ^	X
Biomedical Sciences and BioBusiness (Double Major)	X	X ^		X ^	X
Biomedical Sciences & Chinese Medicine	X	X ^		X ^	X
Chemistry & Biological Chemistry	X	X ^		X ^	X
Chemistry & Biological Chemistry with a Second Major in Business (International Trading)	X	X ^		X ^	X
Chemistry & Biological Chemistry with a Second Major in Data Analytics <sup>NEW</sup>	X	X			X
Chemistry & Biological Chemistry with a Second Major in Environmental Science	X	X ^		X ^	X
Chemistry & Biological Chemistry with a Second Major in Food Science & Technology	X	X ^		X ^	X
Environmental Earth Systems Science	X		X	X #	X #
Environmental Earth Systems Science with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X #	X #
Environmental Earth Systems Science and Public Policy & Global Affairs (Double Major)	X		X	X #	X #
Mathematical and Computer Sciences (Double Major)	X	X		X	
Mathematical Sciences and Economics (Double Major)	X	X		X	
Mathematical Sciences	X	X		X	
Mathematical Sciences with a Minor in Finance	X	X		X	
Mathematical Sciences with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X #	X #
Physics / Applied Physics	X	X		X	

Programme	English	Maths A-Level	Maths AO-Level	Physics	Chemistry
Physics / Applied Physics with a Second Major in Data Analytics <sup>NEW</sup>	X	X		X	
Physics and Mathematical Sciences (Double Major)	X	X		X	
Applied Physics with a Second Major in Medical Physics <sup>NEW</sup>	X	X		X #	X #@
Applied Physics with a Second Major in Microelectronics Engineering	X	X		X	
Sport Science & Management ▲	X		X		

## Medicine

Programme	English	Maths A-Level	Maths AO-Level	Physics	Chemistry
Medicine	X			X	X

## Accountancy & Business

Programme	English	Maths A-Level	Maths AO-Level	Physics	Chemistry
Accountancy	X		X		
Business	X		X		
Accountancy and Business (Double Degree)	X		X		
Accountancy and Data Science & Artificial Intelligence	X	X		X #	X #
Accountancy and Business with a Minor in International Trading	X		X		
Accountancy and Business with a Second Major in Entrepreneurship	X		X		
Accountancy with a Minor in Strategic Communication	X		X		
Accountancy with a Minor in International Trading	X		X		
Accountancy with a Minor in Digitalisation and Data Analytics	X		X		
Accountancy with a Second Major in Entrepreneurship	X		X		
Business with a Minor in Strategic Communication	X		X		
Business with a Minor in International Trading	X		X		
Business with a Second Major in Entrepreneurship	X		X		

## Humanities, Arts, & Social Sciences

Programme	English	Maths A-Level	Maths AO-Level	Physics	Chemistry
Art, Design & Media	X		X		
Communication Studies	X		X		
Communication Studies with a Second Major in Business	X	X			
Economics	X		X		

Programme	English	Maths A-Level	Maths AO-Level	Physics	Chemistry
Economics with a Second Major in Business	X		X		
English Literature	X		X		
English Literature and Art History (Double Major)	X		X		
English and History (Double Major)	X		X		
English and Philosophy (Double Major)	X		X		
Chinese and English (Double Major)	X		X		
History	X		X		
History and Chinese (Double Major)	X		X		
History and Linguistics and Multilingual Studies (Double Major)	X		X		
Linguistics and Multilingual Studies	X		X		
Linguistics and Multilingual Studies and English (Double Major)	X		X		
Linguistics and Multilingual Studies and Philosophy (Double Major)	X		X		
Chinese and Linguistics and Multilingual Studies (Double Major)	X		X		
Psychology	X		X		
Philosophy	X		X		
Philosophy and Chinese (Double Major)	X		X		
Philosophy and History (Double Major)	X		X		
Public Policy and Global Affairs	X		X		
Sociology	X		X		
Economics and Data Science <sup>▲</sup>	X	X		X #	X #
Economics and Media Analytics (Double Major)	X	X			
Economics and Psychology (Double Major)	X	X			
Economics and Public Policy & Global Affairs (Double Major)	X	X			
Psychology and Media Analytics (Double Major)	X	X			
Psychology and Linguistics & Multilingual Studies (Double Major)	X	X			
Psychology with a Second Major in Biological Sciences	X	X ♦	X ♦	X #	X #

▲ either Maths (A- Level) or Physics

# either Physics or Chemistry

@ Candidate can choose to sit for Chemistry paper provided he/she has taken up Senior High School Level Physics.

♦ either Maths A-Level or AO-Level

\* The programme is also offered as a double degree programme with Economics as well as a single degree programme with Second Major in Business and Second Major in Entrepreneurship. Paper requirements will follow the single degree requirements.

+ The programme is also offered as a single degree programme with a Minor in Business and a Minor in International Trading. Paper requirements will follow the single degree requirements.

▲ Programmes leading to a Bachelor of Science degree.

**NOTE:**

Shortlisted candidate will sit for 2 – 5 papers, depending on all the choices of programmes indicated in the application form. If choices consist of both Engineering/Science and non-Engineering/Science programmes, Maths (A-Level) will be required in order to qualify for admission to all the choices.

<b>Example</b>	<b>Choices (1<sup>st</sup> to 5<sup>th</sup>)</b>	<b>Papers required to be taken</b>
1	<b>Computer Science; Engineering; Biological Sciences; Business; Environmental Earth Systems Science</b>	<b>English, Maths 'A' Level, Physics, Chemistry</b>
2	<b>Business &amp; Computing; Business; Economics; Psychology; History</b>	<b>English, Maths 'A' Level, Physics</b>
3	<b>Business; Economics and Psychology; Communication Studies; Psychology; English Literature</b>	<b>English, Maths 'A' Level</b>

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