



Minimum Subjects Requirements for International & Other Qualifications

Programme Overview

Minimum Subjects Requirements by College

- COLLEGE OF ENGINEERING
- COLLEGE OF SCIENCE
- LKCMEDICINE
- NANYANG BUSINESS SCHOOL
- COLLEGE OF HUMANITIES, ARTS, & SOCIAL SCIENCES
- NATIONAL INSTITUTE OF EDUCATION
- SPORT SCIENCE & MANAGEMENT

Programme	Minimum Subject Requirement	Selection Test/ Interview
COLLEGE OF ENGINEERING		
<ul style="list-style-type: none"> • Aerospace Engineering • Civil Engineering † • Chemical & Biomolecular Engineering • Computer Engineering • Electrical & Electronic Engineering † • Engineering** • Environmental Engineering † • Information Engineering & Media • Mechanical Engineering † • Engineering[^] with a Minor in Business • Engineering[^] with a Minor in International Trading New • Engineering[^] with a Second Major in Business • Engineering[†] with a Second Major in Society and Urban Systems <p>[^] in a specific field of Engineering as listed above.</p> <p>[†] in a specific field of Engineering as listed above, except the programme named Engineering.</p> <p><u>Double Degree</u></p> <ul style="list-style-type: none"> • Business & Computer Engineering • Engineering[^] & Economics <p>[^] in a specific field of Engineering as listed above, except the programme named Engineering.</p>	<p>Mathematics <u>AND</u></p> <p>Physics/Chemistry/Biology at Senior High School Level / IB Higher Level</p> <p><u>OR</u></p> <p>Computer Science at IB Higher Level</p> <p><u>AND</u></p> <p>Physics at Junior High School Level / IB Standard Level[†]</p>	
<ul style="list-style-type: none"> • Computer Science • Computer Science with a Minor in Business • Computer Science with a Minor in International Trading New • Computer Science with a Second Major in Business • Business & Computing (Double degree) • Computer Science & Economics (Double degree) 	<p>Mathematics <u>AND</u></p> <p>Physics/Chemistry/Biology at Senior High School Level / IB Higher Level</p> <p><u>OR</u></p> <p>Computer Science at IB Higher Level</p>	

Programme	Minimum Subject Requirement	Selection Test/ Interview
<ul style="list-style-type: none"> Bioengineering Bioengineering with a Minor in Business Bioengineering with a Minor in International Trading New 	Mathematics <u>AND</u> Physics/Chemistry/Biology at Senior High School Level / IB Higher Level <u>OR</u> Computer Science at IB Higher Level	
<ul style="list-style-type: none"> Bioengineering with a Second Major In Pharmaceutical Engineering Bioengineering with a Second Major in Food Science and Technology Chemical & Biomolecular Engineering with a Second Major in Food Science and Technology 	Mathematics <u>AND</u> Physics/Chemistry/Biology at Senior High School Level / IB Higher Level <u>OR</u> Computer Science at IB Higher Level <u>AND</u> Physics at Junior High School Level / IB Standard Level [†]	Yes
Data Science and Artificial Intelligence [#]	Mathematics <u>AND</u> Physics/Chemistry/Biology at Senior High School Level / IB Higher Level <u>OR</u> Computer Science at IB Higher Level	
<ul style="list-style-type: none"> Materials Engineering Materials Engineering with a Minor in Business Materials Engineering with a Minor in International Trading New Materials Engineering with a Second Major in Business Materials Engineering with a Second Major in Medical Biology Materials Engineering & Economics (Double degree) 	Mathematics <u>AND</u> Physics/Chemistry/Biology at Senior High School Level / IB Higher Level <u>AND</u> Physics at Junior High School Level / IB Standard Level [†]	
Materials Engineering with a Second Major in Pharmaceutical Engineering	Mathematics <u>AND</u> Physics/Chemistry/Biology at Senior High School Level / IB Higher Level <u>AND</u> Physics at Junior High School Level / IB Standard Level [†]	Yes
<ul style="list-style-type: none"> Maritime Studies [#] Maritime Studies with a Second major in Business[#] 	Additional Mathematics [*] <u>AND</u> Physics/Chemistry/Biology/Science at Junior High School Level / Mathematics <u>AND</u> Physics/Chemistry/Biology at IB Standard Level	
Renaissance Engineering Programme [▲]	Mathematics <u>AND</u> Physics/Chemistry/Biology at Senior High School Level / IB Higher Level or Computer Science at IB Higher Level <u>AND</u> Physics at Junior High School Level / IB Standard Level [†] <u>AND</u> A good grade in General Paper/English at Senior High School Level	Yes
COLLEGE OF SCIENCE		
<ul style="list-style-type: none"> Biological Sciences Biological Sciences with Minor in Business Biological Sciences with a Second Major in Biomedical Structural Biology Biomedical Sciences and Biobusiness (Double Major) New 	Mathematics at Junior High School Level / IB Standard Level <u>AND</u> Physics/Chemistry/Biology at Senior High School Level / IB Higher Level	On a selective basis
Biological Sciences and Psychology (Double Major)	Additional Mathematics [*] at Junior High School Level / Mathematics at IB Standard Level <u>AND</u> Physics/Chemistry/Biology at Senior High School Level / IB Higher Level <u>AND</u> A good grade in English at Senior High School Level	On a selective basis

Programme	Minimum Subject Requirement	Selection Test/ Interview
Biological Sciences with a Second Major in Biomedical Materials	Mathematics at Senior High School Level/IB Higher Level <u>AND</u> Physics/Chemistry/Biology at Senior High School Level/IB Higher Level <u>AND</u> Physics at Junior High School Level / IB Standard Level ⁺	On a selective basis
Biological Sciences with a Second Major in Food Science and Technology	Mathematics at Senior High School Level/IB Higher Level <u>AND</u> Physics/Chemistry/Biology at Senior High School Level/IB Higher Level <u>OR</u> Mathematics at Junior High School Level/IB Standard Level <u>AND any two of</u> Physics/Chemistry/Biology at Senior High School Level/IB Higher Level	On a selective basis
Biological Sciences with a Second Major in Medicinal Chemistry and Pharmacology	Mathematics at Junior High School Level/ IB Standard Level <u>AND</u> Chemistry at Senior High School Level / IB Higher Level	On a selective basis
Biomedical Sciences & Chinese Medicine (Double Degree)	Mathematics at Junior High School Level/IB Standard Level <u>AND</u> Physics/Chemistry/Biology at Senior High School Level / IB Higher Level <u>AND</u> Chinese at GCE 'O' Levels or HSK Advanced Level / IB Standard Level	On a selective basis
Chemistry & Biological Chemistry	Chemistry <u>AND</u> Mathematics/Physics at Senior High School Level / IB Higher Level	
Chemistry & Biological Chemistry with a Second Major in Food Science and Technology	Chemistry <u>AND</u> Mathematics/Physics at Senior High School Level / IB Higher Level	Yes
Mathematical and Computer Science (Double Major) ^{New}	Mathematics at Senior High School Level/IB Higher Level <u>AND</u> Physics/Chemistry/Biology at Senior High School Level / IB Higher Level	
<ul style="list-style-type: none"> • Mathematical Sciences • Mathematical Sciences with a Minor in Finance 	Mathematics at Senior High School Level/IB Higher Level	
Mathematical Sciences and Economics (Double Major)	Mathematics at Senior High School Level/IB Higher Level <u>AND</u> A good grade in General Paper/English at Senior High School Level / IB Standard Level	On a selective basis
<ul style="list-style-type: none"> • Physics/Applied Physics • Physics with a Second Major in Mathematical Sciences 	Physics and Mathematics at Senior High School Level / IB Higher Level	
Environmental Earth Systems Science	Additional Mathematics* at Junior High School Level / Mathematics at IB Standard Level <u>AND</u> Physics/Chemistry/Biology/Economics at Senior High School Level / IB Higher Level <u>Or</u> Computer Science at IB Higher Level	On a selective basis

Programme	Minimum Subject Requirement	Selection Test/ Interview
Environmental Earth Systems Science and Public Policy & Global Affairs (Double Major)	Additional Mathematics* at Junior High School Level / Mathematics at IB Standard Level <u>AND</u> Physics/Chemistry/Biology/Economics at Senior High School Level / IB Higher Level <u>Or</u> Computer Science at IB Higher Level <u>AND</u> A good grade in General Paper/English at Senior High School Level	On a selective basis

LEE KONG CHIAN SCHOOL OF MEDICINE (LKC MEDICINE)

Medicine	<p>Chemistry <u>AND</u> Biology/Physics at Senior High school Level / IB Higher Level</p> <p>In addition, applicants are required to submit the following material for admission assessment:</p> <ol style="list-style-type: none"> 1. Academic results 2. Personal statement 3. Two online referee reports (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.) 4. Details of exceptional talents and/or outstanding achievements beyond school co-curricular activities (only if the applicant would like to be considered under Discretionary Admissions Scheme) <p>BioMedical Admissions Test (BMAT) Applicants will have to register for the Biomedical Admissions Test (BMAT) and take the BMAT as part of the criteria for entry to the Lee Kong Chian School of Medicine (LKC Medicine) programme. Applicants take the BMAT around October/November each year, prior to their application to the LKC Medicine. Only results of the BMAT taken in the 12-month period prior to the admission to LKC Medicine will be considered in the selection process. For more details on the BMAT, please refer to www.bmat.org.uk.</p> <p>For further details, please refer to LKC Medicine Admissions.</p>	Yes
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NANYANG BUSINESS SCHOOL

<ul style="list-style-type: none"> • Accountancy • Business • Accountancy & Business (Double Degree) • Accountancy and Business with a Minor in International Trading New • Accountancy with a Minor in Strategic Communication • Accountancy with a Minor in International Trading New • Accountancy with a Second Specialisation in Predictive and Forensic Analytics • Business with a Minor in Strategic Communication • Business with a Minor in International Trading New 	Additional Mathematics* at Junior High School Level / Mathematics at IB Standard Level	On a selective basis
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Programme	Minimum Subject Requirement	Selection Test/ Interview
COLLEGE OF HUMANITIES, ARTS, & SOCIAL SCIENCES		
Art, Design & Media	<p>Mathematics at Junior High School Level/IB Standard Level <u>AND</u> A good grade in English at Senior High School Level / IB Standard Level</p> <p>In addition, applicants are required to produce and submit the following materials for admission assessment:</p> <ol style="list-style-type: none"> 1. Portfolio 2. Personal Statement and Writing Samples 3. A Creative Project 4. Three Visuals <p>For specific submission instructions and details, please refer to ADM Admission Requirements.</p>	
<ul style="list-style-type: none"> • Communication Studies • Communication Studies with a Second Major in Business 	<p>A good grade in General Paper/English at Senior High School Level / IB Standard Level <u>AND</u> Additional Mathematics* at Junior High School Level / Mathematics at IB Standard Level</p>	On a selective basis
Chinese	A good grade in Chinese at GCE 'O' Level/ IB Standard Level / HSK Advanced Level	On a selective basis
<ul style="list-style-type: none"> • Economics • Psychology 	<p>A good grade in Additional Mathematics* at Junior High School Level / Mathematics at IB Standard Level <u>AND</u> A good grade in English at Senior High School Level/ IB Standard Level</p>	On a selective basis
Psychology with a Second Major in Biological Sciences	<p>A good grade in Additional Mathematics* at Junior High School Level / Mathematics at IB Standard Level <u>AND</u> A good grade in English at Senior High School Level / IB Standard Level <u>AND</u> A good grade in Physics/Chemistry/ Biology at Junior High School Level / IB standard Level</p>	On a selective basis
<ul style="list-style-type: none"> • English Literature • Linguistics & Multilingual Studies • History • Philosophy 	A good grade in General Paper/English at Senior High School Level / IB Standard Level	Yes
<ul style="list-style-type: none"> • Public Policy & Global Affairs • Sociology 	A good grade in General Paper/English at Senior High School Level / IB Standard Level	On a selective basis
<ul style="list-style-type: none"> • Economics and Media Analytics (Double Major) • Economics and Psychology (Double Major) • Economics and Public Policy & Global Affairs (Double Major) 	<p>A good grade in Mathematics at Senior High School Level / Mathematics at IB Higher Level <u>AND</u> a good grade in General Paper/English at Senior High School Level / IB Standard Level</p>	On a selective basis

Programme	Minimum Subject Requirement	Selection Test/ Interview
Psychology and Media Analytics (Double Major)	A good grade in Additional Mathematics [★] at Junior High School Level / Mathematics at IB Standard Level <u>AND</u> a good grade in General Paper/English at Senior High School Level / IB Standard Level	On a selective basis
Psychology and Linguistics & Multilingual Studies (Double Major)	A good grade in Additional Mathematics [★] at Junior High School Level / Mathematics at IB Standard Level <u>AND</u> a good grade in General Paper/English at Senior High School Level / IB Standard Level	Yes
English Literature and Art History (Double Major)	A good grade in General Paper/English at Senior High School Level / IB Standard Level	Yes
NATIONAL INSTITUTE OF EDUCATION		
<ul style="list-style-type: none"> • Arts (Education)^{>} • Science (Education)^{>} 	Mathematics and English at Senior High School Level / IB Standard Level <u>AND</u> Pass in at least 5 subjects including English as a First Language taken at Junior High School Level. Preferably a good score for IELTS or TOEFL. <i>^{>} These degree programmes offer many courses that may require further subject prerequisites. Please refer to the NIE website for details.</i>	Yes
SPORT SCIENCE & MANAGEMENT		
Sport Science & Management [#]	Additional Mathematics [★] at Junior High School Level/Mathematics at IB Standard Level	On a selective basis

+ Physics at Junior High School Level / Standard Level is only applicable to applicants who have not read Physics at Senior High School Level / Higher Level.

Programme leading to Bachelor of Science degree

★ Mathematics at Senior High School Level is applicable to applicants who have not read Additional Mathematics at Junior High School Level.

** For Engineering programme, students who are undecided on their Engineering major may opt for Engineering (i.e. Common Engineering) at the point of application. After one semester of engineering studies, students will be streamed to either Civil Engineering, Electrical & Electronic Engineering, Environmental Engineering, Materials Engineering or Mechanical Engineering at the end of Year 1 Semester 1. In all cases, admission and steaming into an engineering major are merit-based.

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