

# ADMISSION CRITERIA FOR STUDENTS WITH SINGAPORE-CAMBRIDGE GCE 'A' LEVEL

## MINIMUM SUBJECT REQUIREMENTS

You are offering the Singapore-Cambridge GCE 'A' Level in the English medium and must fulfil all of the following:

- Obtained at least two passes in subjects at H2 level and attempted General Paper (GP) or Knowledge & Inquiry (KI) in the same sitting
- Met one of the following Mother Tongue Language (MTL) requirements:
  - A minimum of 'S' grade in H1 MTL or General Studies in Chinese or H2 Mother Tongue Language & Literature (MTLL) taken at 'A' level
  - Pass in MTL B syllabus taken at 'A' level
  - A minimum of D7 in Higher MTL taken at 'O' level

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

RENAISSANCE ENGINEERING PROGRAMME	MINIMUM SUBJECT REQUIREMENTS	SELECTION TEST/ INTERVIEW
<ul style="list-style-type: none"> <li>• Renaissance Engineering Programme<sup>¥</sup></li> </ul>	H2 Level Pass in Mathematics, and H2 Level Pass in Physics/Chemistry/Biology/Computing, and H1 Level/"O" Level pass in Physics/equivalent <sup>+</sup>	Yes

COLLEGE OF ENGINEERING	MINIMUM SUBJECT REQUIREMENTS	SELECTION TEST/ INTERVIEW
<ul style="list-style-type: none"> <li>• Engineering<sup>^@</sup></li> <li>• Aerospace Engineering<sup>^*</sup></li> <li>• Bioengineering<sup>^*</sup></li> <li>• Computer Engineering<sup>^*</sup></li> <li>• Computer Science<sup>^*</sup></li> <li>• Information Engineering and Media<sup>^*</sup></li> </ul> <p>The above single degree programmes are also offered with a Second Major in Business</p>	H2 Level pass in Mathematics, and H2 Level pass in Physics/Chemistry/Biology/Computing, and H1 Level/"O" Level pass in Physics/equivalent <sup>+</sup>	
<ul style="list-style-type: none"> <li>• Bioengineering with a Second Major in Pharmaceutical Engineering</li> </ul>	H2 Level pass in Mathematics and Chemistry, and H1 Level/"O" Level pass in Physics/equivalent <sup>+</sup>	Yes
<ul style="list-style-type: none"> <li>• Civil Engineering<sup>^*</sup></li> <li>• Environmental Engineering<sup>^*</sup></li> <li>• Electrical and Electronic Engineering<sup>^*</sup></li> <li>• Mechanical Engineering<sup>^*</sup></li> </ul> <p>The above single degree programmes are also offered with a Second Major in:</p> <ul style="list-style-type: none"> <li>• Business</li> <li>• Society and Urban Systems</li> </ul>	H2 Level pass in Mathematics, and H2 Level pass in Physics/Chemistry/Biology/Computing, and H1 Level/"O" Level pass in Physics/equivalent <sup>+</sup>	
<ul style="list-style-type: none"> <li>• Business and Computing (Double Degree)</li> <li>• Business and Computer Engineering (Double Degree)</li> </ul>		
<ul style="list-style-type: none"> <li>• Chemical and Biomolecular Engineering<sup>^*</sup></li> <li>• Chemical and Biomolecular Engineering with a Second Major in Business</li> </ul>	H2 Level pass in Mathematics and Chemistry, and H1 Level/"O" Level pass in Physics/equivalent <sup>+</sup>	
<ul style="list-style-type: none"> <li>• Bioengineering with a Second Major in Food Science and Technology</li> <li>• Chemical and Biomolecular Engineering with a Second Major in Food Science and Technology</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• Maritime Studies<sup>**</sup></li> <li>• Maritime Studies with a Second Major in Business<sup>**</sup></li> </ul>	H1 Level pass in Mathematics, or 'O' Level/equivalent pass in Additional Mathematics, and H1 Level/"O" Level pass in a Science subject	
<ul style="list-style-type: none"> <li>• Materials Engineering<sup>^*</sup></li> <li>• Materials Engineering with a Second Major in Business</li> <li>• Materials Engineering with a Second Major in Medical Biology</li> </ul>	H2 Level pass in Mathematics, and H2 Level pass in Physics/Chemistry/Biology, and H1 Level/"O" Level pass in Physics/equivalent <sup>+</sup>	

COLLEGE OF ENGINEERING	MINIMUM SUBJECT REQUIREMENTS	SELECTION TEST/ INTERVIEW
<ul style="list-style-type: none"> <li>Materials Engineering with a Second Major in Pharmaceutical Engineering</li> </ul>	H2 Level pass in Mathematics and Chemistry, and H1 Level/'O' Level pass in Physics/equivalent <sup>+</sup>	Yes

COLLEGE OF HUMANITIES, ARTS, AND SOCIAL SCIENCES	MINIMUM SUBJECT REQUIREMENTS	SELECTION TEST/ INTERVIEW
<ul style="list-style-type: none"> <li>Art, Design and Media</li> </ul>	<p>'O' Level/equivalent pass in Mathematics, and A good grade in General Paper/Knowledge &amp; Inquiry</p> <p>In addition, applicants are required to produce and submit the following materials for admissions assessment:</p> <ol style="list-style-type: none"> <li>A Portfolio</li> <li>Personal statement and writing samples</li> <li>A creative project</li> <li>Three visuals</li> </ol> <p>For specific submission instructions and details, please refer to <a href="http://www.adm.ntu.edu.sg/Programmes/ProspectiveStudents/undergraduatedegrees/Pages/ADM-Admission-Requirements.aspx">http://www.adm.ntu.edu.sg/Programmes/ProspectiveStudents/undergraduatedegrees/Pages/ADM-Admission-Requirements.aspx</a>.</p>	
<ul style="list-style-type: none"> <li>Communication Studies</li> </ul>	<p>H1 Level pass in Mathematics, or 'O' level/equivalent pass in Additional Mathematics<sup>®</sup>, and</p> <p>At least a B grade in General Paper/Knowledge &amp; Inquiry</p>	On a selective basis
<ul style="list-style-type: none"> <li>Communication Studies with a Second Major in Business</li> </ul>	<p>H1 Level pass in Mathematics, or 'O' level/equivalent pass in Additional Mathematics, and</p> <p>At least a B grade in General Paper/Knowledge &amp; Inquiry</p>	On a selective basis
<ul style="list-style-type: none"> <li>Chinese</li> </ul>	<p>Pass in H2 Level Chinese, or Good pass in H1 Level Chinese/China Studies in Chinese, or Good pass in 'O' Level Higher Chinese, or Distinction in 'O' Level Chinese</p>	On a selective basis
<ul style="list-style-type: none"> <li>Economics</li> <li>Psychology</li> </ul>	<p>A good grade in H1 Level Mathematics, and A good grade in General Paper/Knowledge &amp; Inquiry</p>	On a selective basis
<ul style="list-style-type: none"> <li>Psychology with a Second Major in Biological Sciences</li> </ul>	<p>A good grade in H1 Level Mathematics, and A good grade in General Paper/Knowledge &amp; Inquiry, and H1 Level pass in Physics/Chemistry/Biology</p>	On a selective basis
<ul style="list-style-type: none"> <li>English Literature</li> <li>Philosophy</li> </ul>	<p>A good grade in General Paper/Knowledge &amp; Inquiry/H1 Level English Literature/H2 Level History</p>	Yes
<ul style="list-style-type: none"> <li>History</li> </ul>	<p>A good grade in General Paper/Knowledge &amp; Inquiry/H1 Level History/English Literature/Geography</p>	Yes
<ul style="list-style-type: none"> <li>Public Policy and Global Affairs</li> </ul>		On a selective basis
<ul style="list-style-type: none"> <li>Linguistics and Multilingual Studies</li> </ul>	<p>A good grade in General Paper/Knowledge &amp; Inquiry/H1 Level English Literature/History/Geography/Mother Tongue Language</p>	Yes
<ul style="list-style-type: none"> <li>Sociology</li> </ul>	<p>A good grade in General Paper/Knowledge &amp; Inquiry</p>	On a selective basis

DOUBLE MAJOR PROGRAMMES <sup>≈</sup>		
<ul style="list-style-type: none"> <li>Economics and Media Analytics</li> </ul>	<p>A good grade in H2 Level Mathematics, and A good grade in General Paper/Knowledge &amp; Inquiry. For the latter, at least B in order to be considered</p>	On a selective basis
<ul style="list-style-type: none"> <li>Economics and Psychology</li> </ul>	<p>A good grade in H2 Level Mathematics, and A good grade in General Paper/Knowledge &amp; Inquiry</p>	On a selective basis
<ul style="list-style-type: none"> <li>Economics and Public Policy &amp; Global Affairs</li> </ul>	<p>A good grade in H2 Level Mathematics, and A good grade in General Paper/Knowledge &amp; Inquiry, and A good grade in H1 Level History/English Literature/Geography</p>	On a selective basis
<ul style="list-style-type: none"> <li>Psychology and Media Analytics</li> </ul>	<p>A good grade in H1 Level Mathematics, and A good grade in General Paper/Knowledge &amp; Inquiry. For the latter, at least B in order to be considered</p>	On a selective basis
<ul style="list-style-type: none"> <li>Psychology and Linguistics &amp; Multilingual Studies</li> </ul>	<p>A good grade in H1 Level Mathematics, and A good grade in General Paper/Knowledge &amp; Inquiry, and A good grade in H1 Level History/English Literature/Geography/Mother Tongue Language</p>	Yes
<ul style="list-style-type: none"> <li>English Literature and Art History</li> </ul>	<p>A good grade in General Paper/Knowledge &amp; Inquiry/H1 Level English Literature/H2 Level History</p>	Yes

COLLEGE OF SCIENCE	MINIMUM SUBJECT REQUIREMENTS	SELECTION TEST/ INTERVIEW
<ul style="list-style-type: none"> <li>Biological Sciences with a Second Major in Biomedical Materials</li> </ul>	H1 Level pass in Mathematics, and H2 Level pass in Chemistry/Biology, and H2 Level pass in Physics <sup>§</sup>	On a selective basis
<ul style="list-style-type: none"> <li>Biological Sciences<sup>^</sup></li> <li>Biological Sciences with a Second Major in Biomedical Structural Biology</li> </ul>	H1 Level pass in Mathematics, and H2 Level pass in Physics/Chemistry/Biology	On a selective basis
<ul style="list-style-type: none"> <li>Biological Sciences with a Second Major in Food Science and Technology</li> </ul>	H1 Level pass in Mathematics, and H2 Level pass in Chemistry, and H2 Level pass in Physics/Biology <sup>^</sup>	On a selective basis
<ul style="list-style-type: none"> <li>Biological Sciences with a Second Major in Chemical Biology</li> </ul>	H1 Level pass in Mathematics, and H2 Level pass in Chemistry	On a selective basis
<ul style="list-style-type: none"> <li>Biomedical Sciences and Chinese Medicine (Double Degree)</li> </ul>	H1 Level pass in Mathematics, and H2 Level pass in Physics/Chemistry/Biology, and 'O' Level pass in Chinese	On a selective basis
<ul style="list-style-type: none"> <li>Chemistry and Biological Chemistry</li> </ul>	H2 Level pass in Chemistry, and H2 Level pass in Mathematics/Physics	
<ul style="list-style-type: none"> <li>Chemistry and Biological Chemistry with a Second Major in Food Science and Technology</li> </ul>		Yes
<ul style="list-style-type: none"> <li>Environmental Earth Systems Science</li> </ul>	H2 Level pass in Mathematics, and H2 Level pass in Physics/Chemistry/Biology/Economics/Computing	On a selective basis
<ul style="list-style-type: none"> <li>Mathematical Sciences<sup>^^</sup></li> </ul>	H2 Level pass in Mathematics	
<ul style="list-style-type: none"> <li>Physics/Applied Physics</li> <li>Physics with a Second Major in Mathematical Sciences</li> </ul>	H2 Level pass in Physics and Mathematics	
<b>DOUBLE MAJOR PROGRAMMES<sup>≡</sup></b>		
<ul style="list-style-type: none"> <li>Biological Sciences and Psychology</li> </ul>	H1 Level pass in Mathematics, and H2 Level pass in Physics/Chemistry/Biology , and A good grade in General Paper/Knowledge & Inquiry	On a selective basis
<ul style="list-style-type: none"> <li>Environmental Earth Systems Science and Public Policy and Global Affairs</li> </ul>	H2 Level pass in Mathematics, and H2 Level pass in Physics/Chemistry/Biology/Economics/Computing, and A good grade in General Paper/Knowledge & Inquiry/H1 Level History/ English Literature/Geography	On a selective basis
<ul style="list-style-type: none"> <li>Mathematical Sciences and Economics</li> </ul>	H2 Level pass in Mathematics, and A good grade in General Paper/Knowledge & Inquiry	On a selective basis

LEE KONG CHIAN SCHOOL OF MEDICINE	MINIMUM SUBJECT REQUIREMENTS	SELECTION TEST/ INTERVIEW
<ul style="list-style-type: none"> <li>Medicine</li> </ul>	<p>H2 Level pass in Chemistry, and H2 Level pass in Biology/Physics</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>Personal statement</li> <li>Details of exceptional talents and/or outstanding achievements beyond school co-curricular activities (if the applicant would like to be considered under Discretionary Admissions)</li> <li>Two online reference reports (The online reference 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> </ol> <p>Applicants may submit additional documents to support their applications.</p> <p><b>BioMedical Admissions Test (BMAT)</b> 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 (LKCmedicine) programme. Applicants take the BMAT around November each year, prior to their application to LKCmedicine. Only results of the BMAT taken in the 12-month period prior to admission to LKCmedicine will be considered in the selection process. For more details on the BMAT, please refer to <a href="http://www.bmat.org.uk">www.bmat.org.uk</a>.</p> <p>For further details, please visit <a href="http://www.lkcmedicine.ntu.edu.sg/Admissions/Pages/index.aspx">www.lkcmedicine.ntu.edu.sg/Admissions/Pages/index.aspx</a>.</p>	Yes

NANYANG BUSINESS SCHOOL	MINIMUM SUBJECT REQUIREMENTS	SELECTION TEST/ INTERVIEW
<ul style="list-style-type: none"> <li>• <b>Accountancy<sup>#</sup></b></li> <li>• <b>Business</b></li> <li>• <b>Accountancy and Business (Double Degree)</b></li> <li>• <b>Accountancy with a Minor in Strategic Communication</b></li> <li>• <b>Business with a Minor in Strategic Communication</b></li> <li>• <b>Special Programmes</b> <ul style="list-style-type: none"> <li>– BAcc and MSc (Financial Engineering)</li> <li>– BBus and MSc (Financial Engineering)</li> </ul> </li> </ul>	H1 Level pass in Mathematics, or 'O' Level/equivalent pass in Additional Mathematics	On a selective basis

NATIONAL INSTITUTE OF EDUCATION	MINIMUM SUBJECT REQUIREMENTS	SELECTION TEST/ INTERVIEW
<ul style="list-style-type: none"> <li>• <b>Arts (Education)<sup>▲</sup></b></li> <li>• <b>Science (Education)<sup>▲</sup></b></li> </ul>	2 subjects at H1 Level, including a pass in General Paper/Knowledge & Inquiry, at one sitting, and Pass in Mathematics at H1 Level/'O' Level, and Pass in at least 5 subjects, including English as a First Language at 'O' Level	Yes

SPORT SCIENCE AND MANAGEMENT	MINIMUM SUBJECT REQUIREMENTS	SELECTION TEST/ INTERVIEW
<ul style="list-style-type: none"> <li>• <b>Sport Science and Management<sup>**</sup></b></li> </ul>	H1 Level pass in Mathematics, or 'O' level/equivalent pass in Additional Mathematics	On a selective basis

Note: The award of a minor or a second major will only be reflected in the graduate's transcript but not on his/her degree certificate.

## Footnotes to Minimum Subject Requirements

<sup>¥</sup> Programme leading to Bachelor of Engineering Science and Master of Science in Technology Management.

<sup>\*</sup> The programme is also offered as a double degree programme with Economics.

<sup>▲</sup> The programme is also offered as a single degree programme with a Minor in Business.

<sup>+</sup> With Singapore-Cambridge GCE 'A' Level certificate: 'O' Level pass in Physics is only applicable to applicants who have not read Physics at H2/H1 Level.

With International Baccalaureate Diploma: Physics at Standard Level is only applicable to applicants who have not read Physics at Higher Level.

With NUS High School Diploma: Overall CAP of 2.0 in Physics is only applicable to applicants who have not majored in Physics.

With International & Other Qualifications: Physics at Junior High School Level is only applicable to applicants who have not read Physics at Senior High School Level.

<sup>□</sup> With Singapore-Cambridge GCE 'A' Level certificate: H2 Level pass in Physics/Biology is only applicable to applicants who have not read H2 Level Mathematics.

With International Baccalaureate Diploma: Physics/Biology at Higher Level is only applicable to applicants who have not read Mathematics at Higher Level.

With NUS High School Diploma: Overall CAP of 2.0 in Physics/Biology is only applicable to applicants who have not majored in Mathematics.

With International & Other Qualifications: Physics/Biology at Senior High School Level is only applicable to applicants who have not read Mathematics at Senior High School Level.

<sup>§</sup> With Singapore-Cambridge GCE 'A' Level certificate: H2 Level pass in Physics is only applicable to applicants who have not read H2 Level Mathematics.

With International Baccalaureate Diploma: Physics at Higher Level is only applicable to applicants who have not read Mathematics at Higher Level.

<sup>¶</sup> The requirement of Mathematics will take effect from Academic Year 2019-20.

For AY2017-18 and AY2018-19, successful applicants may be advised to take up a Mathematics elective upon matriculation into the University.

<sup>⊕</sup> With International & Other Qualifications: Mathematics at Senior High School Level is only applicable to applicants who have not read Additional Mathematics at Junior High School Level.

<sup>⊗</sup> For Engineering programme, 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 read one 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.

<sup>\*\*</sup> Programme leading to Bachelor of Science.

<sup>≈</sup> The programme is offered as a single degree programme with two distinct majors; each major carries equal weight in the degree.

<sup>^^</sup> The programme is also offered as a single degree programme with a Minor in Finance.

<sup>▲</sup> These degree programmes offer many courses that may require further subject prerequisites. Please refer to the National Institute of Education (NIE) website for details.

<sup>#</sup> The programme is also offered as a single degree programme with a Second Specialisation in Predictive and Forensic Analytics.