

Programme prerequisites for applicants with Singapore-Cambridge GCE A-Level, International Baccalaureate (IB) Diploma, or NUS High School Diploma
Information is accurate as at December 2024

Concurrent Degree Programmes			
Programme Title	Singapore-Cambridge GCE A-Level	International Baccalaureate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Business Artificial Intelligence Systems and Master of Science (Management) (NUS)	H2 pass in Computing; <i>OR</i> A good pass in H1 Mathematics	Pass in HL MAA; <i>OR</i> A good pass in SL MAA or HL MAI	A good major GPA in Mathematics
Law & Master in Public Policy	Good overall A-Level results, including: At least a B grade in H1 General Paper (GP); <i>OR</i> A good pass in H2 Knowledge & Inquiry (KI); <i>OR</i> A minimum SAT Evidence-Based Reading & Writing score of 700 accompanied by a minimum E grade for GP/KI	At least a grading of 5 points in SL/HL English ⁺ ; <i>OR</i> SL Literature & Performance; <i>OR</i> SAT Evidence-Based Reading and Writing score of 700 accompanied by a minimum grading of 4 points for SL English or SL Literature & Performance	At least a B+ grade for EL5131 <u>and</u> EL6131; <i>OR</i> SAT Evidence-Based Reading and Writing score of 700 with at least C grade for EL5131 <u>and</u> EL6131

Note: ⁺SL/HL English refers to SL/HL English A: Language and Literature, SL/HL English A: Literature, SL/HL English B

Double Degree Programmes			
Programme Title	Singapore-Cambridge GCE A-Level	International Baccalaureate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Arts & Social Sciences (NUS) and Arts (Sciences Po)	Please read carefully its application procedures, including the application window, at https://nuscollege.nus.edu.sg/academics/double-degrees-program/nus-sciences-po/ .		
Business Administration and Business Analytics	H2 pass in Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Business Administration and Business Artificial Intelligence Systems	H2 pass in Mathematics; <i>OR</i> A good pass in H1 Mathematics	Pass in HL MAA; <i>OR</i> A good pass in SL MAA or HL MAI	A good major GPA in Mathematics
Business Administration & Communications and New Media	H1 pass in Mathematics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in HL MAA or SL MAA or HL MAI	A good major GPA in Mathematics
Business Administration and Computer Science <i>Applicable to all Business majors (except Real Estate) and only Computer Science major</i>	H2 pass in Computing, Mathematics, Further Mathematics or Physics; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science or HL MAA or HL Physics; <i>OR</i> A good pass in either SL MAA or HL MAI	A good major GPA in Mathematics
Business Administration and Law	H1 pass in Mathematics; <i>OR</i> Pass in O-Level Additional Mathematics; <i>AND</i> Good overall A-Level results, including: At least a B grade in H1 General Paper (GP); <i>OR</i> A good pass in H2 Knowledge & Inquiry (KI); <i>OR</i> A minimum SAT Evidence-Based Reading & Writing score of 700 accompanied by a minimum E grade for GP/KI	Pass in SL/HL MAA or HL MAI; <i>AND</i> At least a grading of 5 points in SL/HL English ⁺ ; <i>OR</i> SL Literature & Performance; <i>OR</i> SAT Evidence-Based Reading and Writing score of 700 accompanied by a minimum grading of 4 points for SL English or SL Literature & Performance	A good major GPA in Mathematics <u>and</u> at least a B+ grade for EL5131 <u>and</u> EL6131; <i>OR</i> SAT Evidence-Based Reading and Writing score of 700 with at least C grade for EL5131 <u>and</u> EL6131
Business Analytics and Economics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Business Artificial Intelligence Systems [^] and Economics	H2 pass in Computing; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science; <i>OR</i> A good pass in SL MAA or HL MAI	A good major GPA in Mathematics
Computer Engineering and Business Administration	H2 pass in Mathematics or Further Mathematics <u>and</u> either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> either HL Physics [#] or HL Chemistry or HL Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering & Humanities and Sciences	H2 pass in Mathematics or Further Mathematics <u>and</u> either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> either HL Physics [#] or HL Chemistry or HL Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry

Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Economics and Business Administration	H1 pass in Mathematics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in HL MAA or SL MAA or HL MAI	A good major GPA in Mathematics
Economics and Law	Good overall A-Level results, including: At least a B grade in H1 General Paper (GP); <i>OR</i> A good pass in H2 Knowledge & Inquiry (KI); <i>OR</i> A minimum SAT Evidence-Based Reading and Writing score of 700 accompanied by a minimum E grade for GP/KI	At least a grading of 5 points in SL/HL English ⁺ ; <i>OR</i> SL Literature & Performance; <i>OR</i> SAT Evidence-Based Reading and Writing score of 700 accompanied by a minimum grading of 4 points for SL English or SL Literature & Performance	At least a B+ grade for EL5131 and EL6131; <i>OR</i> SAT Evidence-Based Reading and Writing score of 700 with at least C grade for EL5131 and EL6131
Engineering and Business Administration	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering & Humanities and Sciences	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Mathematics and Common Computer Science Programmes <i>Applicable to Mathematics major (under College of Humanities and Sciences) and both Computer Science and Artificial Intelligence majors (under School of Computing).</i>	H2 pass in Computing, Mathematics, Further Mathematics or Physics; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science or HL MAA or HL Physics; <i>OR</i> A good pass in either SL MAA or HL MAI	A good major GPA in Mathematics
Note: ⁺ SL/HL English refers to SL/HL English A: Language and Literature, SL/HL English A: Literature, SL/HL English B. [^] Students without H1 or H2 Physics need to have an O-Level pass in Physics or its equivalent and would be required to take Physics bridging courses. [#] Students without HL Physics need to have SL Physics or O-Level Physics or equivalent and would be required to take specified Physics bridging courses. [*] Students without Physics major need to have an O-Level pass in Physics or its equivalent and would be required to take Physics bridging modules. ^{>} Business Artificial Intelligence Systems is formerly known as 'Information Systems'.			

Double Major Programmes			
4 Double Major Programmes offered by Faculty of Arts and Social Sciences under College of Humanities and Sciences			
Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Communications & New Media with Management	H1 pass in Mathematics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in HL MAA or SL MAA or HL MAI	A good major GPA in Mathematics
Economics with Business Analytics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Economics with Management	H1 pass in Mathematics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in HL MAA or SL MAA or HL MAI	A good major GPA in Mathematics
Psychology with Management	H1 pass in Mathematics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in HL MAA or SL MAA or HL MAI	A good major GPA in Mathematics

9 Double Major Programmes offered by Faculty of Sciences under College of Humanities and Sciences			
Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccaaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Life Sciences with Management	H2 passes in Biology and Chemistry	Pass in HL Biology and HL Chemistry	Good major GPA in Biology and Chemistry
Mathematics with Business Analytics	H2 pass or equivalent in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Mathematics with Common Computer Science Programmes	H2 pass or equivalent in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Mathematics with Information Security	H2 pass or equivalent in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Mathematics with Management	H2 pass or equivalent in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Statistics with Business Analytics	H2 pass or equivalent in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Statistics with Common Computer Science Programmes	H2 pass or equivalent in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Statistics with Information Security	H2 pass or equivalent in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Statistics with Management	H2 pass or equivalent in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics

10 Double Major Programmes offered by College of Design and Engineering			
Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccaaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Engineering with Computing (Design and Engineering)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with Data Analytics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with Economics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with Innovation & Design	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with Life Sciences	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with Management	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with Mathematics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with Psychology	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with Sustainable Urban Development	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with Systems Engineering	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics

8 Double Major Programmes offered by School of Computing			
Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccaaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Business Analytics with Economics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Business Analytics with Mathematics	H2 pass or equivalent in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics

Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Business Analytics with Statistics	H2 pass or equivalent in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Business Artificial Intelligence Systems ^{>} with Economics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Common Computer Science Programmes with Mathematics	H2 pass in Computing, Mathematics, Further Mathematics or Physics; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science or HL MAA or HL Physics; <i>OR</i> A good pass in either SL MAA or HL MAI	A good major GPA in Mathematics
Common Computer Science Programmes with Statistics	H2 pass in Computing, Mathematics, Further Mathematics or Physics; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science or HL MAA or HL Physics; <i>OR</i> A good pass in either SL MAA or HL MAI	A good major GPA in Mathematics
Information Security with Mathematics	H2 pass or equivalent in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Information Security with Statistics	H2 pass or equivalent in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics

Note: [>]Business Artificial Intelligence Systems is formerly known as 'Information Systems'.

8 Double Major Programmes jointly offered by College of Design and Engineering and School of Computing			
Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Computer Engineering with Data Analytics	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with Economics	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with Innovation & Design	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with Management	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with Mathematics	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with Psychology	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with Sustainable Urban Development	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with Systems Engineering	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry

Note:
[^]Students without H1 or H2 Physics need to have an O-Level pass in Physics or its equivalent and would be required to take Physics bridging courses.
[#]Students without HL Physics need to have SL Physics or O-Level Physics or equivalent and would be required to take specified Physics bridging courses.
^{*}Students without Physics major need to have an O-Level pass in Physics or its equivalent and would be required to take Physics bridging modules.

Minor Programmes			
4 Minor Programmes offered by Faculty of Arts and Social Sciences under College of Humanities and Sciences			
Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Communications & New Media with a Minor in Management	H1 pass or equivalent in Mathematics	Pass in HL MAA or SL MAA or HL MAI	A good major GPA in Mathematics
Economics with a Minor in Business Analytics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Economics with a Minor in Information Systems ^{>}	H2 pass in Computing or Mathematics or Further Mathematics	Pass in HL Computer Science or HL MAA; OR A good pass in SL MAA or HL MAI	A good major GPA in Mathematics
Psychology with a Minor in Management	H1 pass or equivalent in Mathematics	Pass in HL MAA or SL MAA or HL MAI	A good major GPA in Mathematics

8 Minor Programmes offered by Faculty of Science under College of Humanities and Sciences			
Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Data Science and Analytics with a Minor in Entrepreneurship	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Food Science and Technology with a Minor in Entrepreneurship	H2 pass in any two of the following: Biology, Chemistry, Physics, Computing, Mathematics or Further Mathematics	Any two HL passes in Chemistry, Biology, Physics, Computer Science or MAA	A good major GPA in any of the two following: Chemistry, Biology, Physics, Computing Studies or Mathematics
Life Sciences with a Minor in Entrepreneurship	H2 passes in Biology and Chemistry	Pass in HL Biology and HL Chemistry	Good major GPA in Biology and Chemistry
Life Sciences with a Minor in Public Health	H2 passes in Biology and Chemistry	Pass in HL Biology and HL Chemistry	Good major GPA in Biology and Chemistry
Mathematics with a Minor in Entrepreneurship	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Quantitative Finance with a Minor in Information Security	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Statistics with a Minor in Entrepreneurship	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Statistics with a Minor in Information Security	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics

20 Minor Programmes offered by School of Computing			
Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Business Analytics with a Minor in Economics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Business Analytics with a Minor in Entrepreneurship	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Business Analytics with a Minor in Information Security	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Business Analytics with a Minor in Quantitative Finance	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Business Analytics with a Minor in Real Estate	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Business Analytics with a Minor in Statistics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Business Artificial Intelligence Systems ^{>} with a Minor in Economics	H2 pass in Computing; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science; <i>OR</i> A good pass in SL MAA or HL MAI	A good major GPA in Mathematics
Business Artificial Intelligence Systems ^{>} with a Minor in Entrepreneurship	H2 pass in Computing; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science; <i>OR</i> A good pass in SL MAA or HL MAI	A good major GPA in Mathematics
Business Artificial Intelligence Systems ^{>} with a Minor in Interactive Media	H2 pass in Computing; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science; <i>OR</i> A good pass in SL MAA or HL MAI	A good major GPA in Mathematics

Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Business Artificial Intelligence Systems [^] with a Minor in Management	H2 pass in Computing; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science; <i>OR</i> A good pass in SL MAA or HL MAI	A good major GPA in Mathematics
Common Computer Science Programmes with a Minor in Entrepreneurship	H2 pass in Computing, Mathematics, Further Mathematics or Physics; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science or HL MAA or HL Physics; <i>OR</i> A good pass in either SL MAA or HL MAI	A good major GPA in Mathematics or Physics
Common Computer Science Programmes with a Minor in Interactive Media	H2 pass in Computing, Mathematics, Further Mathematics or Physics; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science or HL MAA or HL Physics; <i>OR</i> A good pass in either SL MAA or HL MAI	A good major GPA in Mathematics or Physics
Common Computer Science Programmes with a Minor in Management	H2 pass in Computing, Mathematics, Further Mathematics or Physics; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science or HL MAA or HL Physics; <i>OR</i> A good pass in either SL MAA or HL MAI	A good major GPA in Mathematics or Physics
Common Computer Science Programmes with a Minor in Mathematics	H2 pass in Computing, Mathematics, Further Mathematics or Physics; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science or HL MAA or HL Physics; <i>OR</i> A good pass in either SL MAA or HL MAI	A good major GPA in Mathematics or Physics
Common Computer Science Programmes with a Minor in Statistics	H2 pass in Computing, Mathematics, Further Mathematics or Physics; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science or HL MAA or HL Physics; <i>OR</i> A good pass in either SL MAA or HL MAI	A good major GPA in Mathematics or Physics
Information Security with a Minor in Entrepreneurship	H2 pass in Computing, Mathematics, Further Mathematics or Physics; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science or HL MAA or HL Physics; <i>OR</i> A good pass in SL MAA or HL MAI	A good major GPA in Mathematics or Physics
Information Security with a Minor in Management	H2 pass in Computing, Mathematics, Further Mathematics or Physics; <i>OR</i> A good pass in H1 Mathematics	Pass in HL Computer Science or HL MAA or HL Physics; <i>OR</i> A good pass in SL MAA or HL MAI	A good major GPA in Mathematics or Physics
Information Security with a Minor in Mathematics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Information Security with a Minor in Quantitative Finance	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Information Security with a Minor in Statistics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics

Note: [^]Business Artificial Intelligence Systems is formerly known as 'Information Systems'.

31 Minor Programmes offered by College of Design and Engineering			
Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Architecture with a Minor in Cities	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics or HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Architecture with a Minor in Computing (Design and Engineering)	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics or HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Architecture with a Minor in Economics	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics or HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Architecture with a Minor in Innovation & Design	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics or HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Architecture with a Minor in Psychology	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics or HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Architecture with a Minor in Visual Communication Design	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics or HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Engineering with a Minor in Business Analytics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with a Minor in Cities	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with a Minor in Computing (Design and Engineering)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with a Minor in Data Analytics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics

Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Engineering with a Minor in Data Engineering	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with a Minor in Economics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with a Minor in Information Security	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with a Minor in Infrastructure Management and Finance	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with a Minor in Innovation & Design	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with a Minor in Life Sciences	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with a Minor in Management	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with a Minor in Mathematics	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with a Minor in Psychology	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering with a Minor in Visual Communication Design	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Industrial Design with a Minor in Cities	H1 pass in Mathematics, Physics, Economics or Art; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL MAA or SL Physics or SL Economics or SL Visual Arts or HL MAI	A good major GPA in Mathematics or Physics or Arts
Industrial Design with a Minor in Computing (Design and Engineering)	H1 pass in Mathematics, Physics, Economics or Art; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL MAA or SL Physics or SL Economics or SL Visual Arts or HL MAI	A good major GPA in Mathematics or Physics or Arts
Industrial Design with a Minor in Economics	H1 pass in Mathematics, Physics, Economics or Art; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL MAA or SL Physics or SL Economics or SL Visual Arts or HL MAI	A good major GPA in Mathematics or Physics or Arts
Industrial Design with a Minor in Innovation & Design	H1 pass in Mathematics, Physics, Economics or Art; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL MAA or SL Physics or SL Economics or SL Visual Arts or HL MAI	A good major GPA in Mathematics or Physics or Arts
Industrial Design with a Minor in Psychology	H1 pass in Mathematics, Physics, Economics or Art; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL MAA or SL Physics or SL Economics or SL Visual Arts or HL MAI	A good major GPA in Mathematics or Physics or Arts
Landscape Architecture with a Minor in Cities	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics or HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Landscape Architecture with a Minor in Computing (Design and Engineering)	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics or HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Landscape Architecture with a Minor in Economics	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics or HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Landscape Architecture with a Minor in Innovation & Design	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics or HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Landscape Architecture with a Minor in Psychology	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics or HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Landscape Architecture with a Minor in Visual Communication Design	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics or HL MAI	A good major GPA in either Mathematics, Physics or Chemistry

10 Minor Programmes jointly offered by College of Design and Engineering and School of Computing			
Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Computer Engineering with a Minor in Cities	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with a Minor in Data Analytics	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with a Minor in Data Engineering	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry

Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Computer Engineering with a Minor in Economics	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with a Minor in Entrepreneurship	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with a Minor in Innovation & Design	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with a Minor in Management	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with a Minor in Mathematics	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with a Minor in Psychology	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering with a Minor in Visual Communication Design	H2 pass in Mathematics or Further Mathematics and either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or Chemistry or Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Note: [^] Students without H1 or H2 Physics need to have an O-Level pass in Physics or its equivalent and would be required to take Physics bridging courses. [#] Students without HL Physics need to have SL Physics or O-Level Physics or equivalent and would be required to take specified Physics bridging courses. *Students without Physics major need to have an O-Level pass in Physics or its equivalent and would be required to take Physics bridging modules.			

40 Specialisations offered by College of Design and Engineering			
Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Biomedical Engineering (Biomedical Materials Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Biomedical Engineering (Community Healthcare and Technology Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Biomedical Engineering (Robotics Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Biomedical Engineering (Tissue Engineering Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Chemical Engineering (Biopharmaceutical Engineering Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Chemical Engineering (Industry 4.0 Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Chemical Engineering (Process Engineering Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Chemical Engineering (Safety and Sustainability Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Civil Engineering (Digitalization in Urban Infrastructure Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Electrical Engineering (Advanced Electronics Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Electrical Engineering (Industry 4.0 Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Electrical Engineering (Internet of Things Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Electrical Engineering (Robotics Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Electrical Engineering (Space Technology Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Electrical Engineering (Sustainable Electric Transportation Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering Science (Computational Engineering Science Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics

Programme Title	Singapore-Cambridge GCE A-Level	Interntional Baccalaurate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Engineering Science (Energy Science and Technology Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering Science (Engineering Science in Medicine Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Engineering Science (Nanoscience and Technology Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Environmental and Sustainability Engineering (Digitalisation in Urban Infrastructure Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Industrial Design (Design Futures & Critical Inquiry Specialisation)	H1 pass in Mathematics, Physics, Economics or Art; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL MAA or SL Physics or SL Economics or SL Visual Arts; <i>OR</i> HL MAI	A good major GPA in Mathematics or Physics or Arts
Industrial Design (Product Innovation Specialisation)	H1 pass in Mathematics, Physics, Economics or Art; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL MAA or SL Physics or SL Economics or SL Visual Arts; <i>OR</i> HL MAI	A good major GPA in Mathematics or Physics or Arts
Industrial Design (Social & Service Transformation Specialisation)	H1 pass in Mathematics, Physics, Economics or Art; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL MAA or SL Physics or SL Economics or SL Visual Arts; <i>OR</i> HL MAI	A good major GPA in Mathematics or Physics or Arts
Industrial & Systems Engineering (Analytics and Decision Intelligences Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Industrial & Systems Engineering (Supply Chain Analytics Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Industrial & Systems Engineering (Sustainability Analytics Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Infrastructure & Project Management (Sustainable Green Buildings Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in either Mathematics, Physics or Chemistry
Landscape Architecture (Specialisation in Landscape Practice)	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics; <i>OR</i> HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Landscape Architecture (Specialisation in Landscape Studies)	H1 pass in Chemistry, Mathematics or Physics; <i>OR</i> Pass in O-Level Additional Mathematics	Pass in SL Chemistry or SL MAA or SL Physics; <i>OR</i> HL MAI	A good major GPA in either Mathematics, Physics or Chemistry
Materials Science & Engineering (Artificial Intelligence in MSE Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Materials Science & Engineering (Biomedical Materials Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Materials Science & Engineering (Functional Intelligent Materials Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Materials Science & Engineering (Materials for Renewable Energy and Sustainability Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Materials Science & Engineering (Microelectronics & Quantum Materials Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Materials Science & Engineering (Nanostructured Materials and Nanotechnology Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Materials Science & Engineering (Robotics Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Mechanical Engineering (Aeronautical Engineering Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Mechanical Engineering (Energy and Sustainability Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Mechanical Engineering (Industry 4.0 Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics
Mechanical Engineering (Robotics Specialisation)	H2 pass in Mathematics or Further Mathematics	Pass in HL MAA	A good major GPA in Mathematics

5 Specialisations offered by College of Design and Engineering and School of Computing			
Programme Title	Singapore-Cambridge GCE A-Level	International Baccalaureate (IB) Diploma	NUS High School Diploma
	Subject Requirements	Subject Requirements	Subject Requirements
Computer Engineering (Advanced Electronics Specialisation)	H2 pass in Mathematics or Further Mathematics <u>and</u> either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or HL Chemistry or HL Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering (Industry 4.0 Specialisation)	H2 pass in Mathematics or Further Mathematics <u>and</u> either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or HL Chemistry or HL Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering (Internet of Things Specialisation)	H2 pass in Mathematics or Further Mathematics <u>and</u> either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or HL Chemistry or HL Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering (Robotics Specialisation)	H2 pass in Mathematics or Further Mathematics <u>and</u> either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or HL Chemistry or HL Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry
Computer Engineering (Space Technology Specialisation)	H2 pass in Mathematics or Further Mathematics <u>and</u> either Physics [^] , Computing or Chemistry	Pass in HL MAA <u>and</u> HL Physics [#] or HL Chemistry or HL Computer Science	A good major GPA in Mathematics <u>and</u> either Physics* or Chemistry

Note:
[^]Students without H1 or H2 Physics need to have an O-Level pass in Physics or its equivalent and would be required to take Physics bridging courses.
[#]Students without HL Physics need to have SL Physics or O-Level Physics or equivalent and would be required to take specified Physics bridging courses.
^{*}Students without Physics major need to have an O-Level pass in Physics or its equivalent and would be required to take Physics bridging modules.