Programme Prerequisites for Singapore Citizens and Singapore Permanent Residents with International Qualifications

Information correct as of December 2024

Concurrent Degree Programmes	
Programme Title	**Subject requirements**
Information Systems and Master of Science* (Management) (NUS)	Year 12 or higher level pass in Mathematics.
Law & Master in Public Policy	A high proficiency in the English Language
Note: *Information Systems will be renamed as 'Business Artificial Intelligence Systems' from Academic Year 2025/2026.	

Double Degree Programmes	
Programme Title	**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	Year 12 or higher level pass in Mathematics
Business Administration & Communications and New Media	Year 12 or higher level pass in Mathematics
Business Administration and Computer Science *Applicable to all Business majors (except Real Estate) and only Computer Science major*	Year 12 or higher level pass in Mathematics
Business Administration and Information Systems*	Year 12 or higher level pass in Mathematics
Business Administration and Law	Year 12 or higher level pass in Mathematics and a high level of proficiency in the English Language
Business Analytics and Economics	Year 12 or higher level pass in Mathematics
Computer Engineering and Business Administration	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering & Humanities and Sciences	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Economics and Business Administration	Year 12 or higher level pass in Mathematics
Economics and Law	A high level of proficiency in the English Language
Engineering and Business Administration	Year 12 or higher level pass in Mathematics
Engineering & Humanities and Sciences	Year 12 or higher level pass in Mathematics
Information Systems* and Economics	Year 12 or higher level pass in Mathematics
Mathematics and Common Computer Science Programmes *Applicable to Mathematics major (under College of Humanities and Sciences) and both Computer Science and Artificial Intelligence majors (under School of Computing).*	Year 12 or higher level pass in Mathematics
Note: *Information Systems will be renamed as 'Business Artificial Intelligence Systems' from Academic Year 2025/2026. ^Students without Year 12 High School Physics would be required to take specified Physics Bridging courses.	

Double Major Programmes	
4 Double Major Programmes offered by Faculty of Arts and Social Sciences under College of Humanities and Sciences	
Programme Title	**Subject requirements**
Communications & New Media with Management	Year 12 or higher level pass in Mathematics
Economics with Business Analytics	Year 12 or higher level pass in Mathematics
Economics with Management	Year 12 or higher level pass in Mathematics
Psychology with Management	Year 12 or higher level pass in Mathematics

9 Double Major Programmes offered by Faculty of Sciences under College of Humanities and Sciences	
Programme Title	**Subject requirements**
Life Sciences with Management	Year 12 or higher level pass in Biology and Chemistry
Mathematics with Business Analytics	Year 12 or higher level pass in Mathematics or Further Mathematics
Mathematics with Common Computer Science Programmes	Year 12 or higher level pass in Mathematics or Further Mathematics
Mathematics with Information Security	Year 12 or higher level pass in Mathematics or Further Mathematics
Mathematics with Management	Year 12 or higher level pass in Mathematics or Further Mathematics
Statistics with Business Analytics	Year 12 or higher level pass in Mathematics or Further Mathematics
Statistics with Common Computer Science Programmes	Year 12 or higher level pass in Mathematics or Further Mathematics
Statistics with Information Security	Year 12 or higher level pass in Mathematics or Further Mathematics
Statistics with Management	Year 12 or higher level pass in Mathematics or Further Mathematics

10 Double Major Programmes offered by College of Design and Engineering	
Programme Title	**Subject requirements**
Engineering with Computing (Design and Engineering)	Year 12 or higher level pass in Mathematics
Engineering with Data Analytics	Year 12 or higher level pass in Mathematics
Engineering with Economics	Year 12 or higher level pass in Mathematics
Engineering with Innovation & Design	Year 12 or higher level pass in Mathematics
Engineering with Life Sciences	Year 12 or higher level pass in Mathematics
Engineering with Management	Year 12 or higher level pass in Mathematics
Engineering with Mathematics	Year 12 or higher level pass in Mathematics
Engineering with Psychology	Year 12 or higher level pass in Mathematics
Engineering with Sustainable Urban Development	Year 12 or higher level pass in Mathematics
Engineering with Systems Engineering	Year 12 or higher level pass in Mathematics

8 Double Major Programmes offered by School of Computing	
Programme Title	**Subject requirements**
Business Analytics with Economics	Year 12 or higher level pass in Mathematics
Business Analytics with Mathematics	Year 12 or higher level pass in Mathematics or Further Mathematics
Business Analytics with Statistics	Year 12 or higher level pass in Mathematics or Further Mathematics
Common Computer Science Programmes with Mathematics	Year 12 or higher level pass in Mathematics or Further Mathematics
Common Computer Science Programmes with Statistics	Year 12 or higher level pass in Mathematics or Further Mathematics
Information Security with Mathematics	Year 12 or higher level pass in Mathematics or Further Mathematics
Information Security with Statistics	Year 12 or higher level pass in Mathematics or Further Mathematics
Information Systems* with Economics	Year 12 or higher level pass in Mathematics
Note: *Information Systems will be renamed as 'Business Artificial Intelligence Systems' from Academic Year 2025/2026.	

8 Double Major Programmes jointly offered by College of Design and Engineering and School of Computing	
Programme Title	**Subject requirements**
Computer Engineering with Data Analytics	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with Economics	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with Innovation & Design	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with Management	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with Mathematics	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with Psychology	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with Sustainable Urban Development	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with Systems Engineering	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Note: ^ Students without Year 12 High School Physics would be required to take specified Physics Bridging courses.	

Minor Programmes	
4 Minor Programmes offered by Faculty of Arts and Social Sciences under College of Humanities and Sciences	
Programme Title	**Subject requirements**
Communications & New Media with a Minor in Management	Year 12 or higher level pass in Mathematics
Economics with a Minor in Business Analytics	Year 12 or higher level pass in Mathematics
Economics with a Minor in Information Systems*	Year 12 or higher level pass in Mathematics
Psychology with a Minor in Management	Year 12 or higher level pass in Mathematics

8 Minor Programmes offered by Faculty of Science under College of Humanities and Sciences	
Programme Title	**Subject requirements**
Data Science and Analytics with a Minor in Entrepreneurship	Year 12 or higher level pass in Mathematics
Food Science and Technology with a Minor in Entrepreneurship	Year 12 or higher level pass in Mathematics
Life Sciences with a Minor in Entrepreneurship	Year 12 or higher level pass in Mathematics
Life Sciences with a Minor in Public Health	Year 12 or higher level pass in Mathematics
Mathematics with a Minor in Entrepreneurship	Year 12 or higher level pass in Mathematics
Quantitative Finance with a Minor in Information Security	Year 12 or higher level pass in Mathematics
Statistics with a Minor in Entrepreneurship	Year 12 or higher level pass in Mathematics
Statistics with a Minor in Information Security	Year 12 or higher level pass in Mathematics

20 Minor Programmes offered by School of Computing	
Programme Title	**Subject requirements**
Business Analytics with a Minor in Economics	Year 12 or higher level pass in Mathematics
Business Analytics with a Minor in Entrepreneurship	Year 12 or higher level pass in Mathematics
Business Analytics with a Minor in Information Security	Year 12 or higher level pass in Mathematics
Business Analytics with a Minor in Quantitative Finance	Year 12 or higher level pass in Mathematics or Further Mathematics
Business Analytics with a Minor in Real Estate	Year 12 or higher level pass in Mathematics
Business Analytics with a Minor in Statistics	Year 12 or higher level pass in Mathematics or Further Mathematics
Common Computer Science Programmes with a Minor in Entrepreneurship	Year 12 or higher level pass in Mathematics
Common Computer Science Programmes with a Minor in Interactive Media	Year 12 or higher level pass in Mathematics
Common Computer Science Programmes with a Minor in Management	Year 12 or higher level pass in Mathematics
Common Computer Science Programmes with a Minor in Mathematics	Year 12 or higher level pass in Mathematics or Further Mathematics
Common Computer Science Programmes with a Minor in Statistics	Year 12 or higher level pass in Mathematics or Further Mathematics
Information Security with a Minor in Entrepreneurship	Year 12 or higher level pass in Mathematics
Information Security with a Minor in Management	Year 12 or higher level pass in Mathematics
Information Security with a Minor in Mathematics	Year 12 or higher level pass in Mathematics or Further Mathematics
Information Security with a Minor in Quantitative Finance	Year 12 or higher level pass in Mathematics or Further Mathematics
Information Security with a Minor in Statistics	Year 12 or higher level pass in Mathematics or Further Mathematics
Information Systems* with a Minor in Economics	Year 12 or higher level pass in Mathematics
Information Systems* with a Minor in Entrepreneurship	Year 12 or higher level pass in Mathematics
Information Systems* with a Minor in Interactive Media	Year 12 or higher level pass in Mathematics
Information Systems* with a Minor in Management	Year 12 or higher level pass in Mathematics
Note: *Information Systems will be renamed as 'Business Artificial Intelligence Systems' from Academic Year 2025/2026.	

31 Minor Programmes offered by College of Design and Engineering	
Programme Title	**Subject requirements**
Architecture with a Minor in Cities	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Architecture with a Minor in Computing (Design and Engineering)	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Architecture with a Minor in Economics	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Architecture with a Minor in Innovation & Design	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Architecture with a Minor in Psychology	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Architecture with a Minor in Visual Communication Design	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Engineering with a Minor in Business Analytics	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Cities	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Computing (Design and Engineering)	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Data Analytics	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Data Engineering	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Economics	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Information Security	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Infrastructure Management and Finance	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Innovation & Design	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Life Sciences	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Management	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Mathematics	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Psychology	Year 12 or higher level pass in Mathematics
Engineering with a Minor in Visual Communication Design	Year 12 or higher level pass in Mathematics
Industrial Design with a Minor in Cities	Year 12 or higher level pass in Arts or Economics or Mathematics or Physics
Industrial Design with a Minor in Computing (Design and Engineering)	Year 12 or higher level pass in Arts or Economics or Mathematics or Physics
Industrial Design with a Minor in Economics	Year 12 or higher level pass in Arts or Economics or Mathematics or Physics
Industrial Design with a Minor in Innovation & Design	Year 12 or higher level pass in Arts or Economics or Mathematics or Physics
Industrial Design with a Minor in Psychology	Year 12 or higher level pass in Arts or Economics or Mathematics or Physics
Landscape Architecture with a Minor in Cities	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Landscape Architecture with a Minor in Computing (Design and Engineering)	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Landscape Architecture with a Minor in Economics	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Landscape Architecture with a Minor in Innovation & Design	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Landscape Architecture with a Minor in Psychology	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Landscape Architecture with a Minor in Visual Communication Design	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science

10 Minor Programmes jointly offered by College of Design and Engineering and School of Computing	
Programme Title	**Subject requirements**
Computer Engineering with a Minor in Cities	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with a Minor in Data Analytics	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with a Minor in Data Engineering	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with a Minor in Economics	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with a Minor in Entrepreneurship	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with a Minor in Innovation & Design	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with a Minor in Management	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with a Minor in Mathematics	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with a Minor in Psychology	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering with a Minor in Visual Communication Design	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Note: ^ Students without Year 12 High School Physics would be required to take specified Physics Bridging courses.	

40 Specialisation offered by College of Design and Engineering	
Programme Title	**Subject requirements**
Biomedical Engineering (Biomedical Materials Specialisation)	Year 12 or higher level pass in Mathematics
Biomedical Engineering (Community Healthcare and Technology Specialisation)	Year 12 or higher level pass in Mathematics
Biomedical Engineering (Robotics Specialisation)	Year 12 or higher level pass in Mathematics
Biomedical Engineering (Tissue Engineering Specialisation)	Year 12 or higher level pass in Mathematics
Chemical Engineering (Biopharmaceutical Engineering Specialisation)	Year 12 or higher level pass in Mathematics
Chemical Engineering (Industry 4.0 Specialisation)	Year 12 or higher level pass in Mathematics
Chemical Engineering (Process Engineering Specialisation)	Year 12 or higher level pass in Mathematics
Chemical Engineering (Safety and Sustainability Specialisation)	Year 12 or higher level pass in Mathematics
Civil Engineering (Digitalisation in Urban Infrastructure Specialisation)	Year 12 or higher level pass in Mathematics
Electrical Engineering (Advanced Electronics Specialisation)	Year 12 or higher level pass in Mathematics
Electrical Engineering (Industry 4.0 Specialisation)	Year 12 or higher level pass in Mathematics
Electrical Engineering (Internet of Things Specialisation)	Year 12 or higher level pass in Mathematics
Electrical Engineering (Robotics Specialisation)	Year 12 or higher level pass in Mathematics
Electrical Engineering (Space Technology Specialisation)	Year 12 or higher level pass in Mathematics
Electrical Engineering (Sustainable Electric Transportation Specialisation)	Year 12 or higher level pass in Mathematics
Engineering Science (Computational Engineering Science Specialisation)	Year 12 or higher level pass in Mathematics
Engineering Science (Energy Science and Technology Specialisation)	Year 12 or higher level pass in Mathematics
Engineering Science (Engineering Science in Medicine Specialisation)	Year 12 or higher level pass in Mathematics
Engineering Science (Nanoscience and Technology Specialisation)	Year 12 or higher level pass in Mathematics
Environmental and Sustainability Engineering (Digitalisation in Urban Infrastructure Specialisation)	Year 12 or higher level pass in Mathematics
Industrial Design (Design Futures & Critical Inquiry Specialisation)	Year 12 or higher level pass in Arts or Economics or Mathematics or Physics
Industrial Design (Product Innovation Specialisation)	Year 12 or higher level pass in Arts or Economics or Mathematics or Physics
Industrial Design (Social & Service Transformation Specialisation)	Year 12 or higher level pass in Arts or Economics or Mathematics or Physics
Industrial & Systems Engineering (Analytics and Decision Intelligences Specialisation)	Year 12 or higher level pass in Mathematics
Industrial & Systems Engineering (Supply Chain Analytics Specialisation)	Year 12 or higher level pass in Mathematics
Industrial & Systems Engineering (Sustainability Analytics Specialisation)	Year 12 or higher level pass in Mathematics
Infrastructure & Project Management (Sustainable Green Buildings Specialisation)	Year 12 or higher level pass in Mathematics
Landscape Architecture (Specialisation in Landscape Practice)	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Landscape Architecture (Specialisation in Landscape Studies)	Year 12 or higher level pass in Chemistry or Mathematics or Physics or Physical Science
Materials Science & Engineering (Artificial Intelligence in MSE Specialisation)	Year 12 or higher level pass in Mathematics
Materials Science & Engineering (Biomedical Materials Specialisation)	Year 12 or higher level pass in Mathematics
Materials Science & Engineering (Functional Intelligent Materials Specialisation)	Year 12 or higher level pass in Mathematics
Materials Science & Engineering (Materials for Renewable Energy and Sustainability Specialisation)	Year 12 or higher level pass in Mathematics
Materials Science & Engineering (Microelectronics & Quantum Materials Specialisation)	Year 12 or higher level pass in Mathematics
Materials Science & Engineering (Nanostructured Materials and Nanotechnology Specialisation)	Year 12 or higher level pass in Mathematics
Materials Science & Engineering (Robotics Specialisation)	Year 12 or higher level pass in Mathematics
Mechanical Engineering (Aeronautical Engineering Specialisation)	Year 12 or higher level pass in Mathematics
Mechanical Engineering (Energy and Sustainability Specialisation)	Year 12 or higher level pass in Mathematics
Mechanical Engineering (Industry 4.0 Specialisation)	Year 12 or higher level pass in Mathematics
Mechanical Engineering (Robotics Specialisation)	Year 12 or higher level pass in Mathematics

5 Specialisation jointly offered by College of Design and Engineering and School of Computing	
Programme Title	**Subject requirements**
Computer Engineering (Advanced Electronics Specialisation)	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering (Industry 4.0 Specialisation)	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering (Internet of Things Specialisation)	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering (Robotics Specialisation)	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Computer Engineering (Space Technology Specialisation)	Year 12 or higher level pass in Mathematics and Physics^ or Chemistry
Note: ^ Students without Year 12 High School Physics would be required to take specified Physics Bridging courses.	