NUS
National University
of Singapore

Programme prerequisites for applicants with Polytechnic Diploma from Singapore

Information is accurate as at December 2024

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	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B3 grade in GCE O-Level Additional Mathematics
Business Administration and Business Artificial Intelligence Systems[>]	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional Mathematics
Business Administration & Communications and New Media	Open to all diplomas
Business Administration and Computer Science *Applicable to all Business majors (except Real Estate) and only Computer Science major*	Open to all diplomas with at least a B3 grade in GCE O-Level Additional Mathematics
Business Analytics and Economics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B3 grade in GCE O-Level Additional Mathematics
Business Artificial Intelligence Systems[>] and Economics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering and Business Administration	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering & Humanities and Sciences	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Economics and Business Administration	Open to all diplomas
Engineering and Business Administration	All accredited diplomas to Engineering programme
Engineering & Humanities and Sciences	All accredited diplomas to Engineering programme
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).*	Open to all diplomas with at least a B3 grade in GCE O-Level Additional Mathematics
Note: [>]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	**Subject Requirements**	
Communications & New Media with Management	Open to all diplomas	
Economics with Business Analytics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B3 grade in GCE O-Level Additional Mathematics	
Economics with Management	Open to all diplomas	
Psychology with Management	Open to all diplomas	

9 Double Major Programmes offered by Faculty of Sciences under College of Humanities and Sciences	
Programme Title	**Subject Requirements**
Life Sciences with Management	Open to all diplomas
Mathematics with Business Analytics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B3 grade in GCE O-Level Additional Mathematics
Mathematics with Common Computer Science Programmes	Open to all diplomas with at least a B3 grade in GCE O-Level Additional Mathematics
Mathematics with Information Security	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional Mathematics
Mathematics with Management	Open to all diplomas
Statistics with Business Analytics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B3 grade in GCE O-Level Additional Mathematics
Statistics with Common Computer Science Programmes	Open to all diplomas with at least a B3 grade in GCE O-Level Additional Mathematics
Statistics with Information Security	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional Mathematics
Statistics with Management	Open to all diplomas

Double Major Programmes	
10 Double Major Programmes offered by College of Design and Engineering	
Programme Title	**Subject Requirements**
Engineering with Computing (Design and Engineering) (Double Major)	All accredited diplomas to Engineering programme
Engineering with Data Analytics	All accredited diplomas to Engineering programme
Engineering with Economics	All accredited diplomas to Engineering programme
Engineering with Innovation & Design	All accredited diplomas to Engineering programme
Engineering with Life Sciences	All accredited diplomas to Engineering programme
Engineering with Management	All accredited diplomas to Engineering programme
Engineering with Mathematics	All accredited diplomas to Engineering programme
Engineering with Psychology	All accredited diplomas to Engineering programme
Engineering with Sustainable Urban Development	All accredited diplomas to Engineering programme
Engineering with Systems Engineering	All accredited diplomas to Engineering programme

8 Double Major Programmes offered by School of Computing	
Programme Title	**Subject Requirements**
Business Analytics with Economics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B3 grade in GCE O-Level Additional Mathematics
Business Analytics with Mathematics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B3 grade in GCE O-Level Additional Mathematics
Business Analytics with Statistics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B3 grade in GCE O-Level Additional Mathematics
Business Artificial Intelligence Systems[>] with Economics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional Mathematics
Common Computer Science Programmes with Mathematics	Open to all diplomas with at least a B3 grade in GCE O-Level Additional Mathematics
Common Computer Science Programmes with Statistics	Open to all diplomas with at least a B3 grade in GCE O-Level Additional Mathematics
Information Security with Mathematics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional Mathematics
Information Security with Statistics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional 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	**Subject Requirements**
Computer Engineering with Data Analytics	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with Economics	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with Innovation & Design	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with Management	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with Mathematics	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with Psychology	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with Sustainable Urban Development	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with Systems Engineering	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics

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	Open to all diplomas
Economics with a Minor in Business Analytics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B3 grade in GCE O-Level Additional Mathematics
Economics with a Minor in Information Systems	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B4 grade in GCE O-Level Additional Mathematics
Psychology with a Minor in Management	Open to all diplomas

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	Open to all diplomas
Life Sciences with a Minor in Entrepreneurship	Open to all diplomas
Life Sciences with a Minor in Public Health	Open to all diplomas
Mathematics with a Minor in Entrepreneurship	Open to all diplomas
Quantitative Finance with a Minor in Information Security	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B4 grade in GCE O-Level Additional Mathematics
Statistics with a Minor in Entrepreneurship	Open to all diplomas
Statistics with a Minor in Information Security	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B4 grade in GCE O-Level Additional Mathematics

20 Minor Programmes offered by School of Computing	
Programme Title	**Subject Requirements**
Business Analytics with a Minor in Economics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B3 grade in GCE O-Level Additional Mathematics
Business Analytics with a Minor in Entrepreneurship	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B3 grade in GCE O-Level Additional Mathematics
Business Analytics with a Minor in Information Security	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B3 grade in GCE O-Level Additional Mathematics
Business Analytics with a Minor in Quantitative Finance	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B3 grade in GCE O-Level Additional Mathematics
Business Analytics with a Minor in Real Estate	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B3 grade in GCE O-Level Additional Mathematics
Business Analytics with a Minor in Statistics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B3 grade in GCE O-Level Additional Mathematics
Business Artificial Intelligence Systems[>] with a Minor in Economics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B4 grade in GCE O-Level Additional Mathematics
Business Artificial Intelligence Systems[>] with a Minor in Entrepreneurship	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B4 grade in GCE O-Level Additional Mathematics
Business Artificial Intelligence Systems[>] with a Minor in Interactive Media	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B4 grade in GCE O-Level Additional Mathematics
Business Artificial Intelligence Systems[>] with a Minor in Management	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; OR At least a B4 grade in GCE O-Level Additional Mathematics
Common Computer Science Programmes with a Minor in Entrepreneurship	Open to all diplomas with at least a B3 grade in GCE O-Level Additional Mathematics
Common Computer Science Programmes with a Minor in Interactive Media	Open to all diplomas with at least a B3 grade in GCE O-Level Additional Mathematics
Common Computer Science Programmes with a Minor in Management	Open to all diplomas with at least a B3 grade in GCE O-Level Additional Mathematics
Common Computer Science Programmes with a Minor in Mathematics	Open to all diplomas with at least a B3 grade in GCE O-Level Additional Mathematics
Common Computer Science Programmes with a Minor in Statistics	Open to all diplomas with at least a B3 grade in GCE O-Level Additional Mathematics

Programme Title	Subject Requirements
Information Security with a Minor in Entrepreneurship	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional Mathematics
Information Security with a Minor in Management	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional Mathematics
Information Security with a Minor in Mathematics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional Mathematics
Information Security with a Minor in Quantitative Finance	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional Mathematics
Information Security with a Minor in Statistics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional Mathematics

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

Minor Programmes	
31 Minor Programmes offered by College of Design and Engineering	
Programme Title	**Subject Requirements**
Architecture with a Minor in Cities	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Architecture with a Minor in Computing (Design and Engineering)	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Architecture with a Minor in Economics	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Architecture with a Minor in Innovation & Design	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Architecture with a Minor in Psychology	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Architecture with a Minor in Visual Communication Design	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Engineering with a Minor in Business Analytics	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B3 grade in GCE O-Level Additional Mathematics
Engineering with a Minor in Cities	All accredited diplomas to Engineering programme
Engineering with a Minor in Computing (Design and Engineering)	All accredited diplomas to Engineering programme
Engineering with a Minor in Data Analytics	All accredited diplomas to Engineering programme
Engineering with a Minor in Data Engineering	All accredited diplomas to Engineering programme
Engineering with a Minor in Economics	All accredited diplomas to Engineering programme
Engineering with a Minor in Information Security	Open to all diplomas with At least an A2 grade in GCE O-Level Mathematics; *OR* At least a B4 grade in GCE O-Level Additional Mathematics
Engineering with a Minor in Infrastructure Management and Finance	All accredited diplomas to Engineering programme
Engineering with a Minor in Innovation & Design	All accredited diplomas to Engineering programme
Engineering with a Minor in Life Sciences	All accredited diplomas to Engineering programme
Engineering with a Minor in Management	All accredited diplomas to Engineering programme
Engineering with a Minor in Mathematics	All accredited diplomas to Engineering programme
Engineering with a Minor in Psychology	All accredited diplomas to Engineering programme
Engineering with a Minor in Visual Communication Design	All accredited diplomas to Engineering programme
Industrial Design with a Minor in Cities	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Industrial Design with a Minor in Computing (Design and Engineering)	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Industrial Design with a Minor in Economics	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Industrial Design with a Minor in Innovation & Design	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Industrial Design with a Minor in Psychology	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Landscape Architecture with a Minor in Cities	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Landscape Architecture with a Minor in Computing (Design and Engineering)	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Landscape Architecture with a Minor in Economics	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Landscape Architecture with a Minor in Innovation & Design	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Landscape Architecture with a Minor in Psychology	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Landscape Architecture with a Minor in Visual Communication Design	Open to all diplomas with at least a pass in GCE O-Level Mathematics

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	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with a Minor in Data Analytics	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with a Minor in Data Engineering	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with a Minor in Economics	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with a Minor in Entrepreneurship	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with a Minor in Innovation & Design	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with a Minor in Management	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with a Minor in Mathematics	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with a Minor in Psychology	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering with a Minor in Visual Communication Design	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics

40 Specialisations offered by College of Design and Engineering	
Programme Title	**Subject Requirements**
Biomedical Engineering (Biomedical Materials Specialisation)	All accredited diplomas to Engineering programme
Biomedical Engineering (Community Healthcare and Technology Specialisation)	All accredited diplomas to Engineering programme
Biomedical Engineering (Robotics Specialisation)	All accredited diplomas to Engineering programme
Biomedical Engineering (Tissue Engineering Specialisation)	All accredited diplomas to Engineering programme
Chemical Engineering (Biopharmaceutical Engineering Specialisation)	All accredited diplomas to Engineering programme
Chemical Engineering (Industry 4.0 Specialisation)	All accredited diplomas to Engineering programme
Chemical Engineering (Process Engineering Specialisation)	All accredited diplomas to Engineering programme
Chemical Engineering (Safety and Sustainability Specialisation)	All accredited diplomas to Engineering programme
Civil Engineering (Digitalization in Urban Infrastructure Specialisation)	All accredited diplomas to Engineering programme
Electrical Engineering (Advanced Electronics Specialisation)	All accredited diplomas to Engineering programme
Electrical Engineering (Industry 4.0 Specialisation)	All accredited diplomas to Engineering programme
Electrical Engineering (Internet of Things Specialisation)	All accredited diplomas to Engineering programme
Electrical Engineering (Robotics Specialisation)	All accredited diplomas to Engineering programme
Electrical Engineering (Space Technology Specialisation)	All accredited diplomas to Engineering programme
Electrical Engineering (Sustainable Electric Transportation Specialisation)	All accredited diplomas to Engineering programme
Engineering Science (Computational Engineering Science Specialisation)	All accredited diplomas to Engineering programme
Engineering Science (Energy Science and Technology Specialisation)	All accredited diplomas to Engineering programme
Engineering Science (Engineering Science in Medicine Specialisation)	All accredited diplomas to Engineering programme
Engineering Science (Nanoscience and Technology Specialisation)	All accredited diplomas to Engineering programme
Environmental and Sustainability Engineering (Digitalisation in Urban Infrastructure Specialisation)	All accredited diplomas to Engineering programme
Industrial Design (Design Futures & Critical Inquiry Specialisation)	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Industrial Design (Product Innovation Specialisation)	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Industrial Design (Social & Service Transformation Specialisation)	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Industrial & Systems Engineering (Analytics and Decision Intelligences Specialisation)	All accredited diplomas to Engineering programme
Industrial & Systems Engineering (Supply Chain Analytics Specialisation)	All accredited diplomas to Engineering programme
Industrial & Systems Engineering (Sustainability Analytics Specialisation)	All accredited diplomas to Engineering programme
Infrastructure & Project Management (Sustainable Green Buildings Specialisation)	All accredited diplomas to Engineering programme
Landscape Architecture (Specialisation in Landscape Practice)	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Landscape Architecture (Specialisation in Landscape Studies)	Open to all diplomas with at least a pass in GCE O-Level Mathematics
Materials Science & Engineering (Artificial Intelligence in MSE Specialisation)	All accredited diplomas to Engineering programme
Materials Science & Engineering (Biomedical Materials Specialisation)	All accredited diplomas to Engineering programme
Materials Science & Engineering (Functional Intelligent Materials Specialisation)	All accredited diplomas to Engineering programme
Materials Science & Engineering (Materials for Renewable Energy and Sustainability Specialisation)	All accredited diplomas to Engineering programme
Materials Science & Engineering (Microelectronics & Quantum Materials Specialisation)	All accredited diplomas to Engineering programme

Programme Title	Subject Requirements
Materials Science & Engineering (Nanostructured Materials and Nanotechnology Specialisation)	All accredited diplomas to Engineering programme
Materials Science & Engineering (Robotics Specialisation)	All accredited diplomas to Engineering programme
Mechanical Engineering (Aeronautical Engineering Specialisation)	All accredited diplomas to Engineering programme
Mechanical Engineering (Energy and Sustainability Specialisation)	All accredited diplomas to Engineering programme
Mechanical Engineering (Industry 4.0 Specialisation)	All accredited diplomas to Engineering programme
Mechanical Engineering (Robotics Specialisation)	All accredited diplomas to Engineering programme

5 Specialisations jointly offered by College of Design and Engineering and School of Computing	
Programme Title	**Subject Requirements**
Computer Engineering (Advanced Electronics Specialisation)	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering (Industry 4.0 Specialisation)	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering (Internet of Things Specialisation)	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering (Robotics Specialisation)	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics
Computer Engineering (Space Technology Specialisation)	All accredited diplomas to Computer Engineering programme, and at least a B4 grade in GCE O-Level Additional Mathematics

Applicants who do not fulfil the GCE 'O' Level Mathematics requirements for the above undergraduate programmes but have obtained one of the Mathematics programmes/transcripts as listed in https://nus.edu.sg/oam/docs/default-source/admissions/mathematics-requirements-for-polytechnic-applicants.pdf would also be deemed as having met the Mathematics requirements.