

DOUBLE DEGREE

COMPUTER ENGINEERING OR COMPUTER SCIENCE WITH BUSINESS

The School of Computer Science and Engineering and the Nanyang Business School have come together to design two hybrid undergraduate Double Degree programmes to meet the challenges of a changing economic landscape. A specialisation in business analytics will equip students to monitor target markets, analyse information and forecast future trends across various industries while formulating ways to improve business strategies, operations and business decisions.

The double degree programme is a comprehensive and well-rounded curriculum to be completed in 4 years while integrating two disciplines, thereby broadening the scope of the students and enabling them to leverage on a kaleidoscope of opportunities.

The programmes are planned to enable graduates to hone their business management and computer science and engineering skills, helping to discover and maximise their capabilities which will enable them to develop relevant skills that are much sought after in today's job market.

This diverse mix of business skills and technical knowledge will provide graduates with an edge over their competitors, while giving them a wider range of career opportunities.

Graduates also have an exciting opportunity to embark on a 10-week Professional Attachment in leading technology, management consulting or financial firms in key industries.



YEAR 1 & 2	General Education Core and Prescribed,	Requirements Unrestricted Electives
	Engineering and Science Engineering Fundamental,	Fundamentals Physics for Computing
YEAR 3 & 4	Business CE Integration Cores & Majors	
	Business <ul style="list-style-type: none"> Financial Accounting Management Accounting Financial Management Statistical and Quantitative Methods Business Law Marketing 	Cores <ul style="list-style-type: none"> Organisation Behaviour and Design Strategic Management Career Foundations Career Readiness
	Computer Engineering Fundamentals	Computer Science Fundamentals
	Mathematics Calculus, Linear Algebra, Probability and	Foundations Statistics, Discrete Mathematics
	Programming & Computational Thinking, Data Structure and Algorithm, Algorithm	Algorithms Design and Analysis, Object Oriented Design & Programming
CE Foundations: Logic Design, Signals and Systems, Computer Architecture and Organisation, Microprocessor Programming, Software Engineering, Introduction to Database, Computer Networks, Operating Systems	CS Foundations: Logic Design, Computer Architecture and Organisation, Operating Systems, Software Engineering, Introduction to Database, Computer Networks, Advance Software Engineering	
Business Analytics <ul style="list-style-type: none"> Designing & Developing Databases Analytics I: Visual and 	Majors <ul style="list-style-type: none"> Predictive Analytic Analytics II: Advanced Predictive Analytics 	
Business CE Integration Modules	Business CS Integration Modules	
CE Majors and Specialisations	CS Majors and Specialisations	
Business/Computing Integration Electives 1-3	Business/Computing Integration Electives 1-3	
		Projects: Multidisciplinary Project (MDP), Final Year Project (FYP)
		Professional Attachment

Common Year CE and CS