

4.2.11 Bachelor of Computing in E-Commerce

Objective

The four-year joint E-Commerce programme is offered by School of Computing (SoC) and School of Business (BIZ). The programme focuses on the deployment of Internet technology to enhance the business capabilities of organisations and businesses.

EC graduates will be educated with (a) a deep understanding and command of the theory and practice of internet technology, (b) a broad understanding of business, and (c) a thorough understanding of the deployment of IT to create business opportunities.

EC graduates will be able to develop and plan e-commerce systems, either as part of traditional organisations, or as part of new Internet companies.

EC graduates will be especially well prepared for e-commerce careers, such as e-commerce developer, e-commerce analyst and consultant. With e-commerce happening in every industry, graduates will have a wide selection of employment. With their excellent multidisciplinary education, graduates can choose from more technically oriented careers to more business-oriented careers. Besides e-commerce careers, graduates will also be in excellent positions to contribute in more traditional IT careers.

University Scholars Programme (E-Commerce)

Students in the University Scholars Programme who choose the Bachelor of Computing (E-Commerce) major will take the E-Commerce programme, but with the following variations:

1. They will not be required to read University Level Requirements (28 MCs). (These are replaced by the appropriate First-Tier Scholars Modules.)
2. They will be required to read three (instead of four) modules from the School of Business.
3. They will have 13 (instead of 29) MCs under Unrestricted Electives.

Table 7: Summary of degree requirements for B.Comp. (E-Commerce)

Modules	Modular Credits	Subtotals
UNIVERSITY LEVEL REQUIREMENTS		28
PROGRAMME REQUIREMENTS		103
<i>Common Essentials</i>		
CS1101/S Programming Methodology	5	
CS1102/S Data Structures and Algorithms	5	
CS1104 Computer Organisation	4	
CS1105 Computing and Society	4	
CS2102 Database Systems	4	
CS2105 Computer Networks I	4	
CS2261 Enterprise Systems Development	4	
<i>Major Requirements</i>		
EC1301 Principles of Economics	4	
School of Business modules (choose 4 modules) ¹²	16	
CS2301 Business and Technical Communication	4	
CS2250 Fundamentals of Information Systems	4	
CS3235 Introduction to Computer Security	4	
CS3266 E-Commerce Technologies	5	
CS3240 Human-Computer Interaction CS3254 Information Security Management CS3255 Information Organisation CS3261 IT Marketing CS3265 Economics of E-Business	8 (Choose 2 modules)	
CS4260 E-Commerce Business Models	4	
CS4264 E-Commerce B2C Applications	4	
Either: CS4101 Honours Project Or Three modules from E-Commerce Elective Course List	12	
E-Commerce Elective Course List ¹³ CS4245 Multimedia E-Learning Environment CS4250 IS Research Methodologies CS4251 Strategic IS Planning CS4252 Control, Audit and Security of IS CS4253 Information Systems Consulting CS4254 IS Project Management CS4265 Advanced Topics in E-Commerce	8 (Choose 2 modules)	
UNRESTRICTED ELECTIVES		29
Grand Total		160

¹² The list of Business modules offered by the School of Business is available at: <http://www.comp.nus.edu.sg/~csit/ISEC/bizmod.html>

¹³ We are currently reviewing industry trends and will propose more modules that are in line with these trends.