



The Hong Kong Polytechnic University 香港理工大學

Department of Computing 電子計算學系

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## Programme Booklet

# Double Degree for Computing Students: BSc in Computing and BBA in Management

# Computing

電 子 計 算

Programme Code: 61031-DMM and 61031-SMM

September 2007

**Graduation Requirement**

Pathway	Major / minor	Double major	Full degree plus major	Double degree
Credits	99	132	138	150
Year: FT	3	4	4	4
Year: Sandwich	4	5	5	5

**Indicative Study Pattern**

<b>Double Major Pathway (model of 99/132 credits)</b>	
<b>Stage 1</b>	
<b>Sem 1</b>	201 Principles of Programming
	210 Discrete Structures
	212 Computer Organization and Systems
	AMA 211 Introduction to Calculus and Linear Algebra
	ELC 2501 University English I (2 credits)
	General Education 1 (2 credits)
<b>Sem 2</b>	211 Data and System Modeling
	304 Operating Systems
	305 Data Structures and Algorithms
	AF 2108 Financial Accounting
	MM 2021 Management and Organization
	MM 2711 Introduction to Marketing
<b>S1-3</b>	Optional IC Training 34 credits
<b>Stage 2</b>	
<b>Sem 1</b>	302 Foundations of Software Engineering
	311 Foundations of Database Systems
	312 Computer Communications Networks
	303 Human Factors and User Interfaces or COMP Elective 1
	AF 2601 Introduction to Economics
	CBS 2015 Putonghua for Business and Administration (2 credits)
<b>Sem 2</b>	325 Information Systems Management
	COMP Elective 2
	AF 2504 Introduction to Business Law
	MM 3111 Human Resource Management
	CBS 3004 Professional Communication in Putonghua for Computing Students (1 credit)
	ELC 3507 English for Technical Project Writing
	33 credits
<b>Year 3</b>	Optional placement
<b>Stage 3</b>	
<b>Sem 1</b>	451 Final Year Project (4 credits)
	452 Computing Professionals in Society
	LGT 3105 Operations Management
	MM 3141 Organizational Behavior
	MM 2052 Personal Skills Development
<b>Sem 2</b>	COMP 4-Elective 3
	COMP 4-Elective 4
	COMP 4-Elective 5
	General Education 2 (2 credits)
<b>Total</b>	<b>99 credits</b>

Stage 4		<i>Top-up self-financed year</i>	
Sem 1	BBA-MM Elective 1		
	BBA-MM Elective 2		
	BBA-MM Elective 3		
	BBA-MM Elective 4		
	BBA-MM Elective 5		
Sem 2			MM 3151 Managerial Leadership
			MM 4311 Strategic Management
			MM 4351 Entrepreneurship
			AF 2110 Management Accounting I
			AF 2602 Global Economic Environment
			AF 3313 Business Finance
			<i>33 credits</i>
<b>Total</b>			<b>132 credits</b>

Note:

- General Education subjects may be taken in any semester.
- MM Core and MM Minor subjects are chosen from the list below.
- MM Cores and Electives can be taken in any order, as long as the total number agrees with those specified above.
- **3-Elective** means level 3 elective subject; **4-Elective** means level 4 elective subject; **Elective** refers to free electives (any level) offered by COMP.
- COMP electives for different levels can be taken in any order.
- COMP 325 and MM 3411 are mutually exclusive.
- DD graduates are expected to satisfy the WIE elements for either major degree.
- COMP **WIE** can be satisfied by either whole year placement (48 weeks in sandwich year) or one or more summer/winter placement periods (4 weeks full-time or 312 hours part-time), with total WIE credits accumulated exceeding the requirement of 4 credits.

<b>Degree Plus Major Pathway (model of 99/138 credits)</b>	
	<b>Major in COMP / Minor in MM</b>
<b>Stage 1</b>	
<b>Sem 1</b>	201 Principles of Programming
	210 Discrete Structures
	212 Computer Organization and Systems
	AMA 211 Introduction to Calculus and Linear Algebra
	ELC 2501 University English I (2 credits)
	General Education 1 (2 credits)
<b>Sem 2</b>	211 Data and System Modeling
	304 Operating Systems
	305 Data Structures and Algorithms
	AF 2108 Financial Accounting
	MM 2021 Management and Organization
	MM 2711 Introduction to Marketing
<b>S1-3</b>	Optional IC Training
	34 credits
<b>Stage 2</b>	
<b>Sem 1</b>	302 Foundations of Software Engineering
	311 Foundations of Database Systems
	312 Computer Communications Networks
	303 Human Factors and User Interfaces or 309 System Programming
	AF 2601 Introduction to Economics
	CBS 2015 Putonghua for Business and Administration (2 credits)
<b>Sem 2</b>	320 Introduction to Internet Computing
	324 Project Methodology and Implementation
	325 Information Systems Management
	COMP Elective 1
	MM 3111 Human Resource Management
	CBS 3004 Professional Communication in Putonghua for Computing Students (1 credit)
	ELC 3507 English for Technical Project Writing
	36 credits
<b>Year 3</b>	<i>Optional placement</i>
<b>Stage 3</b>	
<b>Sem 1</b>	451 Final Year Project (4 credits)
	452 Computing Professionals in Society
	COMP Elective 2
	MM 3141 Organizational Behavior
	LGT 3105 Operations Management
	MM 2052 Personal Skills Development
<b>Sem 2</b>	451 Final Year Project (5 credits)
	COMP Elective 3
	COMP 4-Elective 4
	AF 2504 Introduction to Business Law
	General Education 2 (2 credits)
	35 credits
<b>Total</b>	<b>105 credits</b>
<b>Stage 4</b>	<i>Top-up self-financed year</i>
<b>Sem 1</b>	BBA-MM Elective 1
	BBA-MM Elective 2
	COMP 4-Elective 5
	COMP 4-Elective 6
	COMP 4-Elective 7
<b>Sem 2</b>	MM 3151 Managerial Leadership
	MM 4311 Strategic Management
	MM 4351 Entrepreneurship
	AF 2110 Management Accounting I
	AF 2602 Global Economic Environment
	AF 3313 Business Finance
	33 credits
<b>Total</b>	<b>138 credits</b>

<b>Double Degree Pathway (model of 99/150 credits)</b>	
<b>Stage 1</b>	
<b>Sem 1</b>	201 Principles of Programming
	210 Discrete Structures
	212 Computer Organization and Systems
	AMA 211 Introduction to Calculus and Linear Algebra
	ELC 2501 University English I (2 credits)
	General Education 1 (2 credits)
<b>Sem 2</b>	211 Data and System Modeling
	304 Operating Systems
	305 Data Structures and Algorithms
	AF 2108 Financial Accounting
	MM 2021 Management and Organization
	MM 2711 Introduction to Marketing
	Optional IC Training
<i>34 credits</i>	
<b>Stage 2</b>	
<b>Sem 1</b>	302 Foundations of Software Engineering
	311 Foundations of Database Systems
	312 Computer Communications Networks
	303 Human Factors and User Interfaces or 309 System Programming
	AF 2504 Introduction to Business Law
	AF 2601 Introduction to Economics
	CBS 2015 Putonghua for Business and Administration (2 credits)
<b>Sem 2</b>	320 Introduction to Internet Computing
	324 Project Methodology and Implementation
	325 Information Systems Management
	COMP Elective 1
	MM 3111 Human Resource Management
	CBS 3004 Professional Communication in Putonghua for Computing Students (1 credit)
	ELC 3507 English for Technical Project Writing
<i>39 credits</i>	
<b>Year 3</b>	
<i>Optional placement</i>	
<b>Stage 3</b>	
<b>Sem 1</b>	451 Final Year Project (4 credits)
	452 Computing Professionals in Society
	COMP Elective 2
	MM 3141 Organizational Behavior
	LGT 3105 Operations Management
	MM 2052 Personal Skills Development
<b>Sem 2</b>	451 Final Year Project (5 credits)
	COMP Elective 3
	COMP 4-Elective 4
	BBA-MM Elective 1
	BBA-MM Elective 2
	General Education 2 (2 credits)
	<i>38 credits</i>
<b>Total</b>	
<b>111 credits</b>	
<b>Stage 4</b>	
<i>Top-up self-financed year</i>	
<b>Sem 1</b>	BBA-MM Elective 3
	BBA-MM Elective 4
	BBA-MM Elective 5
	COMP 4-Elective 5
	COMP 4-Elective 6
	COMP 4-Elective 7

<b>Sem 2</b>	MM 3151 Managerial Leadership
	MM 4311 Strategic Management
	MM 4351 Entrepreneurship
	AF 2110 Management Accounting I
	AF 2602 Global Economic Environment
	AF 3313 Business Finance
	BBA-MM Elective 6
	<i>39 credits</i>
<b>Total</b>	<b>150 credits</b>

Note:

- For full double degree students initially from COMP, they need to satisfy the core elective requirement from MM when they take the BBA-MM electives, i.e., the electives should include the four core electives (3131, 4111, 4131, and 4161).

**List of COMP Elective Subjects:**

Level	Subject
<b>Level 3 Broadening</b>	
	303 Human Factors and User Interfaces
	309 System Programming
	316 Object Oriented Methods for Information Systems Development
	318 Systems Simulation
	319 Introduction to Multimedia Computing
	320 Introduction to Internet Computing
	321 Introduction to E-business
	323 Introduction to Chinese Computing
	324 Project Methodology and Implementation
<b>Level 4 Specialization</b>	
	406 Artificial Intelligence
	407 Computer Graphics
	408 Parallel and Distributed Computing
	416 Internetworking Protocols and Software
	417 Data Warehousing and Data Mining Techniques in Business and Commerce
	418 Electronic Commerce
	422 Multimedia Systems and Applications
	431 Business Process and Workflow Management
	432 Logistics Management
	433 Information Retrieval
	434 Computational Models
	435 Biometrics and Security
	436 Middleware and Distributed Objects
	437 Mobile Computing
	439 Game Programming
	440 Customer Relationship Management
	441 Software Testing and Quality Assurance
	442 Decision Support Systems
	443 Knowledge and Information Management
	444 Internet Infrastructure Security
	445 Software Process and Project Management
	446 Computational Finance
	447 Scientific Computing
	448 Virtual Reality and Applications
	449 Information Systems Audit and Control
	450 IT Governance

**List of MM Core Subjects:**

Level	Subject
	AF2108 Financial Accounting
	AF2110 Management Accounting 1
	AF2504 Introduction to Business Law
	AF2601 Introduction to Economics
	AF2602 Global Economic Environment
	AF3313 Business Finance
	LGT3105 Operations Management
	MM2021 Management and Organization
	MM2711 Introduction to Marketing
	MM4311 Strategic Management
	MM3111 Human Resource Management
	MM3141 Organizational Behavior
	MM3151 Managerial Leadership
	MM3411 Management Information Systems
	MM4351 Entrepreneurship

**List of MM Elective Subjects:**

Level	Subject
	AF3508 Employment Law
	MM3011 Research Methods for Business and Management (core) MM3131 Training and Development
	MM4111 Employee Relations (core)
	MM4121 Human Resource Management in China (core) MM4131 Management of Pay and Benefits
	MM4141 Managing Diversity in Organizations
	MM4161 Staffing and Selection (core)
	MM4181 International HRM MM4341 International Business
	MM4501 Environmental Management
	MM4521 China Trade Management