

## Computer Science with Business Management wIE BSc (Hons) options 2016-2

### Level 1 - compulsory units

All of the units in this pool are mandatory.

Code	Title	Credits
COMP10120	First Year Team Project	20
COMP11120	Mathematical Techniques for Computer Science	20
COMP16121	Object Oriented Programming with Java 1	20
COMP16212	Object Oriented Programming with Java 2	10
BMAN10011	Fundamentals of Management	10
BMAN10552	Fundamentals of Finance	10
BMAN10721	Business and Academic Skills	10

### Level 1 - option pool 1

From this option pool choose 20 credits.

Code	Title	Credits
COMP11212	Fundamentals of Computation	10
COMP14112	Fundamentals of Artificial Intelligence	10
COMP18112	Fundamentals of Distributed Systems	10

### Level 2 options

MANDATORY UNITS - 50 CREDITS

OPTIONAL UNITS - 70 CREDITS

If you take a 20 credit whole year course unit you are not permitted to drop this unit when course unit selection reopens at the start of semester 2.

### Level 2 - compulsory units

All of the units in this pool are mandatory.

Code	Title	Credits	Theme
COMP23420	Software Engineering	20	Agile Methods
COMP26120	Algorithms and Imperative Programming	20	Computer Languages
BMAN10621	Fundamentals of Financial Reporting	10	None
BMAN10632	Fundamentals of Accounting	10	None
BMAN21012	Global Contexts of Business and Management	10	None

### Level 2 - option pool 1

From this option pool choose 30 credits.

Code	Title	Credits	Theme
COMP21111	Logic and Modelling	10	Rigorous Development
COMP23111	Fundamentals of Databases	10	Web and Distributed Systems
COMP24111	Machine Learning and Optimisation	10	Learning and Search in Artificial Intelligence
COMP25111	Operating Systems	10	Computer Architecture

### Level 2 - option pool 2

From this option pool choose 20 credits.

Code	Title	Credits	Theme
COMP24412	Symbolic AI	10	Natural Language, Representation and Reasoning
COMP25212	System Architecture	10	Computer Architecture
COMP27112	Computer Graphics and Image Processing	10	Visual Computing
COMP28112	Distributed Computing	10	Web and Distributed Systems

### Level 3 options

MANDATORY UNITS - 70 CREDITS

OPTIONAL UNITS - 50 CREDITS. YOU MUST CHOOSE 50 CREDITS IN TOTAL FROM THE OPTION POOLS

If you take a 20 credit whole year course unit you are not permitted to drop this unit when course unit selection reopens at the start of semester 2.

### Level 3 - compulsory units

All of the units in this pool are mandatory.

Code	Title	Credits		Theme
COMP30030	3rd Year Project (Joint Hons 30 Credits)	30	None	
BMAN30010	Management and Technology	20	None	
BMAN30021	Marketing	10	None	
BMAN30022	Strategy	10	None	

### Level 3 - option pool 1

From this option pool choose a maximum of 30 credits and a minimum of 0 credits.

Code	Title	Credits		Theme
COMP31111	Verified Development	10		Rigorous Development
COMP33511	User Experience	10		Interactive Systems Design
COMP33711	Agile Software Engineering	10		Agile Methods
COMP36111	Advanced Algorithms	10		Programming and Algorithms
COMP37111	Advanced Computer Graphics	10		Visual Computing
COMP38411	Cryptography and Network Security	10		Mobile Computing and Networks

### Level 3 - option pool 2

From this option pool choose a maximum of 30 credits and a minimum of 0 credits.

Code	Title	Credits		Theme
COMP33812	Software Evolution	10		Agile Methods
COMP34412	Natural Language Systems	10		Natural Language, Representation and Reasoning
COMP35112	Chip Multiprocessors	10		Computer Architecture
COMP36512	Compilers	10		Computer Languages
COMP37212	Computer Vision	10		Visual Computing

### Level 3 - option pool 3

From this option pool choose a maximum of 40 credits and a minimum of 0 credits.

Code	Title	Credits		Theme
COMP34120	AI and Games	20		Learning and Search in Artificial Intelligence
COMP38120	Documents, Services and Data on the Web	20		Web and Distributed Systems