

Bachelor of Arts (CMP01)

APPROVED COHERENT STUDY FOR THE DEGREE OF Bachelor of Arts WITH A MAJOR IN Computing

A general program of study for Arts students wishing to major in Computing.

General requirements for the degree:

Number of credit points required for the degree	68
Minimum number of credit points required at 200 level or above	38
Minimum number of credit points required at 300 level	18

300 level

Options	Three of		Units in the range COMP300-COMP351, ELEC374		9
Option	One of		Units in the range COMP300-COMP351		3
			Units in the range MATH300-MATH349		
		ACCG355	Information Systems for Management	3	
		ELEC374	Computer Hardware	3	
		ELEC375	Digital Systems	3	
		GEOS371	Geographic Information Systems: Technical Issues	3	
		MPCE360	Technology Management	3	
		STAT378	Statistical Computing	3	
Total					12

Electives

Elective	20 cr pts		200- or 300-level units		20
Elective	6 cr pts		300-level units		6
Elective	30 cr pts		Any units		30
Total					56

TOTAL	68
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Notes:

1. Pattern applicable to students entering the degree in 2004.
2. A pass or better in MPCE361 Technology and Management satisfies the requirement for MPCE360.
3. Transfer criteria: at least 12 credit points with an overall GPA of 2.0.

Bachelor of Science (CMP02)

APPROVED COHERENT STUDY FOR THE DEGREE OF Bachelor of Science WITH A MAJOR IN Computing

A general program of study for Science students wishing to major in Computing.

General requirements for the degree:

Number of credit points required for the degree	68
Minimum number of credit points required at 200 level or above	38 (including 34 in science units)
Minimum number of credit points required at 300 level	18 (including 18 in science units)

300 level

Options	Three of		Units in the range COMP300-COMP351, ELEC374		9	
Option	One of		Units in the range COMP300-COMP351		3	
			Units in the range MATH300-MATH349			
		ACCG355	Information Systems for Management	3		
		ELEC374	Computer Hardware	3		
		ELEC375	Digital Systems	3		
		GEOS371	Geographic Information Systems: Technical Issues	3		
		MPCE360	Technology Management	3		
		STAT378	Statistical Computing	3		
Total					12	

Electives

Elective	16 cr pts		200- or 300-level science units		16	
Elective	4 cr pts		200- or 300-level units		4	
Elective	6 cr pts		300-level science units		6	
Elective	30 cr pts		Any units		30	
Total					56	

TOTAL					68	
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Notes:

1. Pattern applicable to students entering the degree in 2004.
2. A pass or better in MPCE361 Technology and Management satisfies the requirement for MPCE360.
3. Transfer criteria: automatic on application to the Student Centre from BCompSc, BIT, BE(Telecom), BTech(Telecom), BSc in Computing with completion of 18 credit points. See Course Transfer Policy for transfer from other degrees.

Bachelor of Information Technology (AK001)

APPROVED STUDY PATTERN FOR THE DEGREE OF Bachelor of Information Technology

A rigorous core program in Information Technology focusing on software systems development including a final year project in Software Engineering or Information Systems.

General requirements for the degree:

Number of credit points required for the degree	72
Minimum number of credit points required at 200 level or above	42
Minimum number of credit points required at 300 level	18

100 level

Option	One of	COMP114	Introduction to Information Systems	3	3	
		COMP154	Introduction to Information Systems (Advanced)	3		
Option	One of	COMP115	Introduction to Computer Science	3	3	
		COMP155	Introduction to Computer Science (Advanced)	3		
Option	One of	COMP125	Fundamentals of Computer Science	3	3	
		COMP165	Fundamentals of Computer Science (Advanced)	3		
Option	One of	MATH132	Mathematics IA (Advanced)	3	3	
		MATH135	Mathematics IA	3		
Total				12		

200 level

Core		COMP224	Database Systems	3	3	
Core		COMP225	Algorithms and Data Structures	3	3	
Core		COMP227	Requirements Analysis and Systems Design	3	3	
Core		COMP229	Object-oriented Programming Practice	3	3	
Core		MATH237	Mathematics IIC	3	3	
Total				15		

300 level

Option	One of	COMP345	Software Engineering Project	4	4	
		COMP346	Information Systems Project	4		
Options	Four of		Units from COMP300-COMP351, ELEC374, MPCE360		12	
Total				16		

Electives

Elective	9 cr pts		Any 200- or 300-level units		9	
Elective	2 cr pts		Any 300-level units		2	
Elective	18 cr pts		Any units		18	
Total				29		

TOTAL	72
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Notes:

1. Pattern applicable to students entering the degree in 2004.
2. A pass or better in COMP124 Computing and Information Systems satisfies the requirement for COMP114 and COMP115.
3. A pass or better in MPCE361 Technology and Management satisfies the requirement for MPCE360.
4. Transfer criteria: at least 12 credit points with an overall GPA of 2.0.

Bachelor of Computer Science (AH001)

APPROVED STUDY PATTERN FOR THE DEGREE OF Bachelor of Computer Science

A rigorous core program in Computer Science including computer systems, computer hardware and an industry-based final year project.

General requirements for the degree:

Number of credit points required for the degree	72
Minimum number of credit points required at 200 level or above	42
Minimum number of credit points required at 300 level	18

100 level

Core		ELEC166	Introduction to Electronic Systems	3	3	
Option	One of	COMP114	Introduction to Information Systems	3	3	
		COMP154	Introduction to Information Systems (Advanced)	3		
Option	One of	COMP115	Introduction to Computer Science	3	3	
		COMP155	Introduction to Computer Science (Advanced)	3		
Option	One of	COMP125	Fundamentals of Computer Science	3	3	
		COMP165	Fundamentals of Computer Science (Advanced)	3		
Option	One of	MATH132	Mathematics IA (Advanced)	3	3	
		MATH135	Mathematics IA	3		
Option	One of	MATH133	Mathematics IB (Advanced)	3	3	
		MATH136	Mathematics IB	3		
Total				18		

200 level

Core		COMP225	Algorithms and Data Structures	3	3	
Core		COMP226	Computer Architecture	3	3	
Core		COMP227	Requirements Analysis and Systems Design	3	3	
Core		ELEC274	Logic Design	3	3	
Core		MATH237	Mathematics IIC	3	3	
Total				15		

300 level

Core		COMP332	Programming Languages	3	3	
Core		COMP333	Algorithm Theory and Design	3	3	
Core		COMP340	Systems Engineering Project	4	4	
Core		ELEC374	Computer Hardware	3	3	
Option	One of	COMP341	Computer Networks	3	3	
		COMP342	Operating Systems	3		
Total				16		

Electives

Elective	9 cr pts		200- or 300-level units		9	
Elective	2 cr pts		300-level units		2	
Elective	12 cr pts		Any units		12	
Total				23		

TOTAL	72
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Notes:

1. Pattern applicable to students entering the degree in 2004.
2. A pass or better in COMP124 Computing and Information Systems satisfies the requirement for COMP114 and COMP115.
3. A pass or better in COMP327 Operating Systems and Networks satisfies the requirement for COMP341 or COMP342.
4. Transfer criteria: at least 18 credit points with an overall GPA of 3.0.
5. A pass or better in ELEC176 Electronics I satisfies the requirement for ELEC166 Introduction to Electronic Systems.

Bachelor of E-Business (AB001)

**APPROVED STUDY PATTERN FOR THE DEGREE OF Bachelor of E-Business
WITH A MAJOR IN Technology**
Technology, commercial and media aspects of electronic commerce with a focus on technology.

General requirements for the degree:

Number of credit points required for the degree	72
Minimum number of credit points required at 200 level or above	42
Minimum number of credit points required at 300 level	21

100 level

Core		BBA111	Organisational Behaviour	3	3	
Core		MATH135	Mathematics IA	3	3	
Option	One of	COMP114	Introduction to Information Systems	3	3	
		COMP154	Introduction to Information Systems (Advanced)	3		
Option	One of	COMP115	Introduction to Computer Science	3	3	
		COMP155	Introduction to Computer Science (Advanced)	3		
Option	One of	COMP125	Fundamentals of Computer Science	3	3	
		COMP165	Fundamentals of Computer Science (Advanced)	3		
Option	One of	STAT170	Introductory Statistics	3	3	
		STAT171	Statistical Data Analysis	3		
Option	One of	ACCG100	Accounting IA	3	3	
		ACCG105	Introductory Financial Accounting	3		
		ECON110	Macroeconomic Principles	3		
		ECON111	Microeconomic Principles	3		
		ELEC166	Introduction to Electronic Systems	3		
		MAS104	Australian Media	3		
		MAS105	Media Cultures	3		
		MATH136	Mathematics IB	3		
		MKTG101	Marketing Fundamentals	3		
		PHYS149	Physics for Technology	3		
Total						21

200 level

Core		BUS200	Business Organisation and Management	3	3	
Core		COMP224	Database Systems	3	3	
Core		COMP225	Algorithms and Data Structures	3	3	
Core		COMP227	Requirements Analysis and Systems Design	3	3	
Core		COMP249	Web Technology	3	3	
Core		MATH237	Mathematics IIC	3	3	
Option	One of	ACCG200	Fundamentals of Management Accounting	3	3	
		ACCG250	Accounting Systems Design	3		
		BBA204	Industry Policy and Business Management	3		
		BBA250	Human Resource Management	3		
		BUSL250	Business Law	3		
		COMP226	Computer Architecture	3		
		ELEC274	Logic Design	3		
		INFO230	Information Technology Workshop	3		
		MKTG202	Marketing Research	3		
		MKTG203	Consumer Behaviour	3		
		MMM202	The Culture of Multimedia	4		
		MMM203	Multimedia and the Market	4		
		STAT270	Applied Statistics	3		
		STAT278	Computer Simulation	3		
		STAT279	Operations Research I	3		
Total						21

300 level

Core		BBA316	Business Communication Skills	3	3	
Core		COMP326	Information Systems Development	3	3	
Core		COMP331	Software Engineering	3	3	
Core		COMP343	Cryptography and Information Security	3	3	
Core		COMP344	E-Commerce Technology	3	3	
Core		MPCE360	Technology Management	3	3	
Option	One of	ACCG355	Information Systems for Management	3	3	
		BUS301	Business Policy	3		
		COMP330	Computer Graphics	3		
		COMP341	Computer Networks	3		
		ICOM301	Global Knowledge Society	4		
		MKTG303	Marketing Strategy: Analysis and Decisions	3		
		MKTG306	Electronic Commerce: Marketing Channels and Decisions	3		
		MMM300	Multimedia Theory and Project Development I	4		
		MMM301	Multimedia Theory and Project Development II	4		
		STAT302	Data Mining and Graphics	3		
		STAT321	Logistics and Project Management	3		
		STAT328	Market Research and Forecasting	3		
		STAT329	Electronic Commerce: Database Applications	3		
		STAT379	Operations Research II	3		
Total						21

Electives

Elective	9 cr pts		Any units		9	
Total						9

TOTAL						72
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Notes:

1. Pattern applicable to students entering the degree in 2004.
2. A pass or better in COMP124 Computing and Information Systems satisfies the requirement for COMP114 and COMP115.
3. A pass or better in COMP327 Operating Systems and Networks satisfies the requirement for COMP341 or COMP342.
4. A pass or better in MPCE361 Technology and Management satisfies the requirement for MPCE360.
5. Transfer criteria: at least 12 credit points with an overall GPA of 2.5.

Bachelor of E-Business (AB002)

APPROVED STUDY PATTERN FOR THE DEGREE OF Bachelor of E-Business WITH A MAJOR IN Multimedia

Technology, commercial and media aspects of electronic commerce with a focus on multimedia.

General requirements for the degree:

Number of credit points required for the degree	72
Minimum number of credit points required at 200 level or above	42
Minimum number of credit points required at 300 level	21

100 level

Core		BBA111	Organisational Behaviour	3	3	
Core		MAS104	Australian Media	3	3	
Core		MAS105	Media Cultures	3	3	
Option	One of	COMP114	Introduction to Information Systems	3	3	
		COMP154	Introduction to Information Systems (Advanced)	3		
Option	One of	COMP115	Introduction to Computer Science	3	3	
		COMP155	Introduction to Computer Science (Advanced)	3		
Option	One of	COMP125	Fundamentals of Computer Science	3	3	
		COMP165	Fundamentals of Computer Science (Advanced)	3		
Option	One of	STAT170	Introductory Statistics	3	3	
		STAT171	Statistical Data Analysis	3		
Option	One of	ACCG100	Accounting IA	3	3	
		ACCG105	Introductory Financial Accounting	3		
		ECON110	Macroeconomic Principles	3		
		ECON111	Microeconomic Principles	3		
		ELEC166	Introduction to Electronic Systems	3		
		MATH135	Mathematics IA	3		
		MATH136	Mathematics IB	3		
		MKTG101	Marketing Fundamentals	3		
		PHYS149	Physics for Technology	3		
Total						24

200 level

Core		BUS200	Business Organisation and Management	3	3	
Core		COMP224	Database Systems	3	3	
Core		COMP225	Algorithms and Data Structures	3	3	
Core		COMP249	Web Technology	3	3	
Core		MMM202	The Culture of Multimedia	4	4	
Core		MMM203	Multimedia and the Market	4	4	
Option	One of	ACCG200	Fundamentals of Management Accounting	3	3	
		ACCG250	Accounting Systems Design	3		
		BBA204	Industry Policy and Business Management	3		
		BBA250	Human Resource Management	3		
		BUSL250	Business Law	3		
		COMP226	Computer Architecture	3		
		COMP227	Requirements Analysis and Systems Design	3		
		ELEC274	Logic Design	3		
		INFO230	Information Technology Workshop	3		
		MATH237	Mathematics IIC	3		
		MKTG202	Marketing Research	3		
		MKTG203	Consumer Behaviour	3		
		STAT270	Applied Statistics	3		
		STAT278	Computer Simulation	3		
		STAT279	Operations Research I	3		
Total						23

300 level

Core		BBA316	Business Communication Skills	3	3	
Core		COMP344	E-Commerce Technology	3	3	
Core		MPCE360	Technology Management	3	3	
Core		MMM300	Multimedia Theory and Project Development I	4	4	
Core		MMM301	Multimedia Theory and Project Development II	4	4	
Option	One of	ACCG355	Information Systems for Management	3	3	
		BUS301	Business Policy	3		
		COMP326	Information Systems Development	3		
		COMP330	Computer Graphics	3		
		COMP331	Software Engineering	3		
		COMP341	Computer Networks	3		
		COMP343	Cryptography and Information Security	3		
		ICOM301	Global Knowledge Society	4		
		MKTG303	Marketing Strategy: Analysis and Decisions	3		
		MKTG306	Electronic Commerce: Marketing Channels and Decisions	3		
		STAT302	Data Mining and Graphics	3		
		STAT321	Logistics and Project Management	3		
		STAT328	Market Research and Forecasting	3		
		STAT329	Electronic Commerce: Database Applications	3		
		STAT379	Operations Research II	3		
Total						20

Electives

Elective	5 cr pts		Any units		5	
Total						5

TOTAL						72
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Notes:

1. Pattern applicable to students entering the degree in 2004.
2. Students without an exemption for a unit in the range MATH131–136 must take one of these units as an elective in order to satisfy the prerequisites for COMP225.
3. A pass or better in COMP124 Computing and Information Systems satisfies the requirement for COMP114 and COMP115.
4. A pass or better in COMP327 Operating Systems and Networks satisfies the requirement for COMP341 or COMP342.
5. A pass or better in MPCE361 Technology and Management satisfies the requirement for MPCE360.
6. Transfer criteria: at least 12 credit points with an overall GPA of 2.5.

Bachelor of E-Business (AB003)

**APPROVED STUDY PATTERN FOR THE DEGREE OF Bachelor of E-Business
WITH A MAJOR IN Management**
*Technology, commercial and media aspects of electronic commerce with a focus on
management.*

General requirements for the degree:

Number of credit points required for the degree	72
Minimum number of credit points required at 200 level or above	42
Minimum number of credit points required at 300 level	21

100 level

Core		ACCG105	Introductory Financial Accounting	3	3	
Core		BBA111	Organisational Behaviour	3	3	
Core		MKTG101	Marketing Fundamentals	3	3	
Option	One of	COMP114	Introduction to Information Systems	3	3	
		COMP154	Introduction to Information Systems (Advanced)	3		
Option	One of	COMP115	Introduction to Computer Science	3	3	
		COMP155	Introduction to Computer Science (Advanced)	3		
Option	One of	COMP125	Fundamentals of Computer Science	3	3	
		COMP165	Fundamentals of Computer Science (Advanced)	3		
Option	One of	STAT170	Introductory Statistics	3	3	
		STAT171	Statistical Data Analysis	3		
Option	One of	ECON110	Macroeconomic Principles	3	3	
		ECON111	Microeconomic Principles	3		
		ELEC166	Introduction to Electronic Systems	3		
		MAS104	Australian Media	3		
		MAS105	Media Cultures	3		
		MATH135	Mathematics IA	3		
		MATH136	Mathematics IB	3		
		PHYS149	Physics for Technology	3		
Total						24

200 level

Core		ACCG250	Accounting Systems Design	3	3	
Core		BUS200	Business Organisation and Management	3	3	
Core		COMP224	Database Systems	3	3	
Core		COMP225	Algorithms and Data Structures	3	3	
Core		COMP249	Web Technology	3	3	
Core		STAT278	Computer Simulation	3	3	
Option	One of	ACCG200	Fundamentals of Management Accounting	3	3	
		BBA204	Industry Policy and Business Management	3		
		BBA250	Human Resource Management	3		
		BUSL250	Business Law	3		
		COMP226	Computer Architecture	3		
		COMP227	Requirements Analysis and Systems Design	3		
		ELEC274	Logic Design	3		
		INFO230	Information Technology Workshop	3		
		MATH237	Mathematics IIC	3		
		MKTG202	Marketing Research	3		
		MKTG203	Consumer Behaviour	3		
		MMM202	The Culture of Multimedia	4		
		MMM203	Multimedia and the Market	4		
		STAT270	Applied Statistics	3		
		STAT279	Operations Research I	3		
Total						21

300 level

Core		BBA316	Business Communication Skills	3	3	
Core		BUS301	Business Policy	3	3	
Core		COMP344	E-Commerce Technology	3	3	
Core		EFS3xx	IT Project	3	3	
Core		MPCE360	Technology Management	3	3	
Core		STAT329	Electronic Commerce: Database Applications	3	3	
Option	One of	ACCG355	Information Systems for Management	3	3	
		COMP326	Information Systems Development	3		
		COMP330	Computer Graphics	3		
		COMP331	Software Engineering	3		
		COMP341	Computer Networks	3		
		COMP343	Cryptography and Information Security	3		
		ICOM301	Global Knowledge Society	4		
		MKTG303	Marketing Strategy: Analysis and Decisions	3		
		MKTG306	Electronic Commerce: Marketing Channels and Decisions	3		
		MMM300	Multimedia Theory and Project Development I	4		
		MMM301	Multimedia Theory and Project Development II	4		
		STAT302	Data Mining and Graphics	3		
		STAT321	Logistics and Project Management	3		
		STAT328	Market Research and Forecasting	3		
		STAT379	Operations Research II	3		
Total						21

Electives

Elective	6 cr pts		Any units		6	
Total						6

TOTAL						72
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Notes:

1. Pattern applicable to students entering the degree in 2004.
2. Students without an exemption for a unit in the range MATH131–136 must take one of these units as an elective in order to satisfy the prerequisites for COMP225.
3. A pass or better in COMP124 Computing and Information Systems satisfies the requirement for COMP114 and COMP115.
4. A pass or better in COMP327 Operating Systems and Networks satisfies the requirement for COMP341 or COMP342.
5. A pass or better in MPCE361 Technology and Management satisfies the requirement for MPCE360.
6. Transfer criteria: at least 12 credit points with an overall GPA of 2.5.

Bachelor of Commerce with Bachelor of Science (ACT11)

APPROVED COHERENT STUDY FOR THE DOUBLE DEGREE OF Bachelor of Commerce
WITH Bachelor of Science
WITH A MAJOR IN Actuarial Studies and Computing

A combined program of commerce focussing on actuarial studies and science with a major in computing.

General requirements for the degree:

Number of credit points required for the degree	96
Minimum number of credit points required at 200 level or above	66 (including 34 in science units)
Minimum number of credit points required at 300 level	30 in science and/or commerce units (including 18 in science units and 18 in commerce units)

To satisfy this coherent study students must 1) complete a Bachelor of Commerce coherent study in Actuarial Studies as defined below, and 2) complete a coherent study for the Bachelor of Science in Computing as defined by pattern CMP02.

300 level

Core		ACST300	Insurance and Superannuation Practice	4	4	
Core		ACST344	Survival Models	4	4	
Options	Two of		300-level ACST units		8	
Total						16

TOTAL	16
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Notes:

1. Pattern applicable to students entering the degree in 2004.
2. Transfer criteria: at least 18 credit points with an overall GPA of 3.0.

Bachelor of Business Administration with Bachelor of Information Technology (BU016)

APPROVED STUDY PATTERN FOR THE DOUBLE DEGREE OF Bachelor of Business Administration
WITH Bachelor of Information Technology

A combined program of business administration and information technology.

General requirements for the degree:

Number of credit points required for the degree	96
Minimum number of credit points required at 200 level or above	66
Minimum number of credit points required at 300 level	30

To satisfy this study pattern students must 1) satisfy the BBA rules as defined below (including Level 1 and 2 elective modules), and 2) satisfy study pattern AK001 for the Bachelor of Information Technology.

100

Core		ACCG105	Introductory Financial Accounting	3	3	
Core		ACST101	Techniques and Elements of Finance	3	3	
Core		BBA102	Business Principles	3	3	
Core		BBA111	Organisational Behaviour	3	3	
Core		MKTG101	Marketing Fundamentals	3	3	
Core			BIT 100-level credit points	12	12	
Option	Either	BBA103	Business Economics	3	3	
	Or both	ECON110	Macroeconomic Principles	3		
	And	ECON111	Microeconomic Principles	3		
Option	One of	STAT170	Introductory Statistics	3	3	
		STAT171	Statistical Data Analysis	3		
Total						33

200

Core		ACCG200	Fundamentals of Management Accounting	3	3	
Core		ACCG253	Financial Management	3	3	
Core		BBA216	Business Communication Skills	3	3	
Core		BBA250	Human Resource Management	3	3	
Core		BUSL250	Business Law	3	3	
Core			BIT 200-level credit points	15	15	
Option	One of	BBA	Level 1 Module	6	6	
Total						36

300

Core		BBA315	Business Forecasting	3	3	
Core		BBA350	Strategic Management I	3	3	
Core		BBA351	Strategic Management II	3	3	
Core			BIT 300-level credit points	16	16	
Option	One of	BBA	Level 2 Module	6	6	
Total						31

TOTAL

100

Notes:

1. Pattern applicable to students entering the degree in 2004.
2. A pass or better in COMP124 Computing and Information Systems satisfies the requirement for COMP114 and COMP115.
3. Transfer criteria: at least 12 credit points with an overall GPA of 2.5.