

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		COMP300–COMP351, ISYS300–ISYS351, ELEC374	9	9
Option	One of		COMP300–COMP351, ISYS300–ISYS351	3	3
			MATH300–MATH349	3	
		ACCG355	Information Systems for Management	3	
		ELEC345	Communication Networks	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 2005.
2. A pass or better in MPCE361 satisfies the requirement for MPCE360.
3. Transfer criteria: at least 12 credit points and 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		COMP300–COMP351, ISYS300–ISYS351, ELEC374	9	9
Option	One of		COMP300–COMP351, ISYS300–ISYS351	3	3
			MATH300–MATH349	3	
		ACCG355	Information Systems for Management	3	
		ELEC345	Communication Networks	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	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 2005.
2. A pass or better in MPCE361 satisfies the requirement for MPCE360.
3. Transfer criteria: automatic on application to the Student Centre from BCompSc, BIT, BIS, BE, BTech(Telecomm), 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	COMP115	Intro. to Computer Science	3	3
		COMP155	Intro. to Computer Science (Adv)	3	
Option	One of	COMP125	Fundamentals of Computer Science	3	3
		COMP165	Fundamentals of Computer Science (Adv)	3	
Option	One of	ISYS114	Intro. to Systems Design and Data Management	3	3
		ISYS154	Intro. to Systems Design and Data Management (Adv)	3	
Option	One of	MATH132	Mathematics IA (Adv)	3	3
		MATH135	Mathematics IA	3	
Total				12	

200 level

Core		COMP225	Algorithms and Data Structures	3	3
Core		COMP229	Object-oriented Programming Practice	3	3
Core		ISYS224	Database Systems	3	3
Core		ISYS227	Requirements Analysis and Systems Design	3	3
Core		MATH237	Mathematics IIC	3	3
Total				15	

300 level

Option	One of	COMP345	Software Engineering Project	4	4
		ISYS346	Information Systems Project	4	
Options	Four of		COMP300–COMP351, ISYS300–ISYS351, ELEC374, MPCE360	12	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 2005.
2. A pass or better in COMP124 satisfies the requirement for ISYS114 and COMP115.
3. A pass or better in COMP114, COMP154, COMP224, COMP227, COMP346 or MPCE361 satisfies the requirement for ISYS114, ISYS154, ISYS224, ISYS227, ISYS346 or MPCE360, respectively.
4. Transfer criteria: at least 12 credit points and 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	Intro. to Electronic Systems	3	3
Option	One of	COMP115	Intro. to Computer Science	3	3
		COMP155	Intro. to Computer Science (Adv)	3	
Option	One of	COMP125	Fundamentals of Computer Science	3	3
		COMP165	Fundamentals of Computer Science (Adv)	3	
Option	One of	ISYS114	Intro. to Systems Design and Data Management	3	3
		ISYS154	Intro. to Systems Design and Data Management (Adv)	3	
Option	One of	MATH132	Mathematics IA (Adv)	3	3
		MATH135	Mathematics IA	3	
Option	One of	MATH133	Mathematics IB (Adv)	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		ELEC274	Logic Design	3	3
Core		ISYS227	Requirements Analysis and Systems 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	COMP342	Operating Systems	3	3
		COMP347	Computer Networks	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 2005.
2. A pass or better in COMP124 satisfies the requirement for ISYS114 and COMP115.
3. A pass or better in COMP327 or COMP341 satisfies the requirement for COMP347.
4. A pass or better in COMP114, COMP154, COMP227 or ELEC176 satisfies the requirement for ISYS114, ISYS154, ISYS227 or ELEC166, respectively.
5. Transfer criteria: at least 18 credit points and an overall GPA of 3.0.

Bachelor of Information Systems

(Code to be determined)

APPROVED STUDY PATTERN FOR THE DEGREE OF Bachelor of Information Systems

A rigorous core program in Information Systems focusing on technology of and application of computing to business and non-business (such as government) organisations including a 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		ISYS123	Intro. to Information Systems and Technologies	3	3
Option	One of	COMP115	Intro. to Computer Science	3	3
		COMP155	Intro. to Computer Science (Adv)	3	
Option	One of	ISYS114	Intro. to Systems Design and Data Management	3	3
		ISYS154	Intro. to Systems Design and Data Management (Adv)	3	
Option	One of	MATH123	Mathematics 123	3	3
		MATH130	Mathematics IE	3	
		MATH132	Mathematics IA (Adv)	3	
		MATH133	Mathematics IB (Adv)	3	
		MATH135	Mathematics IA	3	
		MATH136	Mathematics IB	3	
Options	Two of	ACCG100	Accounting IA	3	6
		ACCG105	Introductory Financial Accounting	3	
		ACST101	Techniques and Elements of Finance	3	
		DEM127	Elements of Demography	3	
		ECON110	Macroeconomic Principles	3	
		ECON111	Microeconomic Principles	3	
		MKTG101	Marketing Fundamentals	3	
		STAT170	Introductory Statistics	3	
		STAT171	Statistical Data Analysis	3	
Total					18

200 level

Core		COMP247	Data Communications	3	3
Core		ISYS201	Applications Development	3	3
Core		ISYS224	Database Systems	3	3
Core		ISYS227	Requirements Analysis and Systems Design	3	3
Option	One of	ACCG250	Accounting Systems Design	3	3
		ACST201	Financial Techniques, Instruments and Markets	3	
		DEM256	Business Demographics	3	
		ECON200	Microeconomic Analysis	4	
		ECON201	Macroeconomic Analysis	4	
		MKTG202	Marketing Research	3	
		MKTG203	Consumer Behaviour	3	
		STAT270	Applied Statistics	3	
		STAT278	Computer Simulation	3	
Total					15

300 level

Core		ISYS301	Systems Integration	3	3
Core		ISYS302	IT Systems and Project Management	3	3
Core		ISYS303	Advanced Systems Development	3	3
Core		ISYS346	Information Systems Project	4	4
Option	One of	COMP343	Cryptography and Information Security	3	3
		COMP344	E-Commerce Technology	3	
		COMP347	Computer Networks	3	
		COMP348	Document Processing and the Semantic Web	3	
		ISYS304	Advanced Systems Analysis and Design	3	
		ISYS326	Information Systems Development	3	
		MPCE360	Technology Management	3	
Total				16	

Electives

Elective	9 cr pts		Any 200- or 300-level units		9
Elective	2 cr pts		Any 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 2005.
2. A pass or better in COMP124 satisfies the requirement for ISYS114 and COMP115.
3. A pass or better in COMP114, COMP123, COMP154, COMP224, COMP227, COMP326, COMP346 or MPCE361 satisfies the requirement for ISYS114, ISYS123, ISYS154, ISYS224, ISYS227, ISYS326, ISYS346 or MPCE360, respectively.
4. Transfer criteria: at least 12 credit points and an overall GPA of 2.0.

Bachelor of E-Business (EBUS01)

**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	18

100 level

Core		BBA111	Organisational Behaviour	3	3
Option	One of	COMP115	Intro. to Computer Science	3	3
		COMP155	Intro. to Computer Science (Adv)	3	
Option	One of	COMP125	Fundamentals of Computer Science	3	3
		COMP165	Fundamentals of Computer Science (Adv)	3	
Option	One of	ISYS114	Intro. to Systems Design and Data Management	3	3
		ISYS154	Intro. to Systems Design and Data Management (Adv)	3	
Option	One of	MATH132	Mathematics IA (Adv)	3	3
		MATH135	Mathematics IA	3	
Option	One of	STAT170	Introductory Statistics	3	3
		STAT171	Statistical Data Analysis	3	
Total				18	

200 level

Core		BBA216	Business Communication Skills	3	3
Core		BUS200	Business Organisation and Management	3	3
Core		COMP247	Data Communications	3	3
Core		COMP249	Web Technology	3	3
Core		ISYS224	Database Systems	3	3
Core		ISYS227	Requirements Analysis and Systems Design	3	3
Core		MATH237	Mathematics IIC	3	3
Option	One of	COMP225	Algorithms and Data Structures	3	3
		COMP229	Object-oriented Programming Practice	3	
Total				24	

300 level

Core		COMP344	E-Commerce Technology	3	3
Core		ISYS301	Systems Integration	3	3
Option	One of	COMP345	Software Engineering Project	4	4
		ISYS346	Information Systems Project	4	
Options	Two of	COMP343	Cryptography and Information Security	3	6
		COMP347	Computer Networks	3	
		ELEC345	Communication Networks	3	
		ISYS326	Information Systems Development	3	
Total				16	

Electives

Elective	2 cr pts		Any 200- or 300-level units		2
Elective	2 cr pts		Any 300-level units		2
Elective	10 cr pts		Any units		10
Total				14	

TOTAL				72	
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Notes:

1. Pattern applicable to students entering the degree in 2005.

2. A pass or better in COMP124 satisfies the requirement for ISYS114 and COMP115.
3. A pass or better in COMP114, COMP154, COMP224, COMP227, COMP326 or COMP346 satisfies the requirement for ISYS114, ISYS154, ISYS224, ISYS227, ISYS326 or ISYS346, respectively.
4. Transfer criteria: at least 12 credit points and an overall GPA of 2.5.

Bachelor of E-Business (EBUS02)

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	18

100 level

Core		BBA111	Organisational Behaviour	3	3
Core		CUL100	Text, Image, Culture	3	3
Core		MAS104	Australian Media	3	3
Core		MAS105	Media Cultures	3	3
Option	One of	COMP115	Intro. to Computer Science	3	3
		COMP155	Intro. to Computer Science (Adv)	3	
Option	One of	COMP125	Fundamentals of Computer Science	3	3
		COMP165	Fundamentals of Computer Science (Adv)	3	
Option	One of	ISYS114	Intro. to Systems Design and Data Management	3	3
		ISYS154	Intro. to Systems Design and Data Management (Adv)	3	
Total				21	

200 level

Core		BBA216	Business Communication Skills	3	3
Core		BUS200	Business Organisation and Management	3	3
Core		COMP247	Data Communications	3	3
Core		COMP249	Web Technology	3	3
Core		ISYS224	Database Systems	3	3
Core		ISYS227	Requirements Analysis and Systems Design	3	3
Core		MAS208	Multimedia Theory and Production 1	4	4
Core		MAS209	Multimedia Theory and Production 2	4	4
Total				26	

300 level

Core		COMP344	E-Commerce Technology	3	3
Core		ISYS301	Systems Integration	3	3
Core		MAS308	Advanced Multimedia Theory and Production 1	4	4
Core		MAS309	Advanced Multimedia Theory and Production 2	4	4
Option	One of	ISYS302	IT Systems and Project Management	3	3
		STAT329	Electronic Commerce: Database Applications	3	
Total				17	

Electives

Elective	1 cr pt		Any 300-level units		1
Elective	7 cr pts		Any units		7
Total				8	

TOTAL				72	
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Notes:

1. Pattern applicable to students entering the degree in 2005.
2. A pass or better in COMP124 satisfies the requirement for ISYS114 and COMP115.
3. A pass or better in COMP114, COMP154, COMP224 or COMP227 satisfies the requirement for ISYS114, ISYS154, ISYS224 or ISYS227, respectively.
4. Transfer criteria: at least 12 credit points and an overall GPA of 2.5.

Bachelor of E-Business (EBUS03)

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	18

100 level

Core		BBA111	Organisational Behaviour	3	3
Core		MKTG101	Marketing Fundamentals	3	3
Option	One of	ACCG100	Accounting IA	3	3
		ACCG105	Introductory Financial Accounting	3	
Option	One of	COMP115	Intro. to Computer Science	3	3
		COMP155	Intro. to Computer Science (Adv)	3	
Option	One of	COMP125	Fundamentals of Computer Science	3	3
		COMP165	Fundamentals of Computer Science (Adv)	3	
Option	One of	ISYS114	Intro. to Systems Design and Data Management	3	3
		ISYS154	Intro. to Systems Design and Data Management (Adv)	3	
Option	One of	STAT170	Introductory Statistics	3	3
		STAT171	Statistical Data Analysis	3	
Total				21	

200 level

Core		ACCG250	Accounting Systems Design	3	3
Core		BBA216	Business Communication Skills	3	3
Core		BUS200	Business Organisation and Management	3	3
Core		COMP247	Data Communications	3	3
Core		COMP249	Web Technology	3	3
Core		ISYS224	Database Systems	3	3
Core		ISYS227	Requirements Analysis and Systems Design	3	3
Option	One of	MKTG203	Consumer Behaviour	3	3
		STAT278	Computer Simulation	3	
Total				24	

300 level

Core		BUS301	Business Policy	3	3
Core		COMP344	E-Commerce Technology	3	3
Core		ISYS301	Systems Integration	3	3
Core		ISYS346	Information Systems Project	4	4
Option	One of	ISYS302	IT Systems and Project Management	3	3
		STAT329	Electronic Commerce: Database Applications	3	
Total				16	

Electives

Elective	2 cr pts		Any 200- or 300-level units		2
Elective	2 cr pts		Any 300-level units		2
Elective	7 cr pts		Any units		7
Total					11

TOTAL

72

Notes:

1. Pattern applicable to students entering the degree in 2005.

2. A pass or better in COMP124 satisfies the requirement for ISYS114 and COMP115.
3. A pass or better in COMP114, COMP154, COMP224, COMP227 or COMP346 satisfies the requirement for ISYS114, ISYS154, ISYS224, ISYS227 or ISYS346, respectively.
4. Transfer criteria: at least 12 credit points and an overall GPA of 2.5.

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	100
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 (see also Note 2 below).

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
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Notes:

1. Pattern applicable to students entering the degree in 2005.
2. A pass or better in COMP340 satisfies the requirement for the BIT unit COMP345.
3. Transfer criteria: at least 12 credit points and an overall GPA of 2.5.

Bachelor of Information Technology with Bachelor of Laws

(Code to be determined)

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

A combined program of information technology and law featuring a rigorous IT core program focusing on software systems development including a final year project in Software Engineering or Information Systems. An industry IT project is an option to suitably qualified final year students. Graduates of the BIT LLB degree will have completed the required areas of knowledge for admission to practice, subject to the requirements of professional training.

General requirements for the degree:

Number of credit points required for the degree	120
Minimum number of credit points required at 200 level or above	70
Minimum number of credit points required at 300 level	28

100 level

Core		LAW104	Law, Lawyers and Society	3	3
Core		LAW113	Jurisprudence	3	3
Option	One of	COMP115	Intro. to Computer Science	3	3
		COMP155	Intro. to Computer Science (Adv)	3	
Option	One of	COMP125	Fundamentals of Computer Science	3	3
		COMP165	Fundamentals of Computer Science (Adv)	3	
Option	One of	ISYS114	Intro. to Systems Design and Data Management	3	3
		ISYS154	Intro. to Systems Design and Data Management (Adv)	3	
Option	One of	MATH132	Mathematics IA (Adv)	3	3
		MATH135	Mathematics IA	3	
Total					18

200 level

Core		COMP225	Algorithms and Data Structures	3	3
Core		COMP229	Object-oriented Programming Practice	3	3
Core		ISYS224	Database Systems	3	3
Core		ISYS227	Requirements Analysis and Systems Design	3	3
Core		LAW203	Torts	3	3
Core		LAW204	Contracts	3	3
Core		LAW205	Criminal Law and Procedure I	3	3
Core		LAW206	Criminal Law and Procedure II	3	3
Core		MATH237	Mathematics IIC	3	3
Total					27

300 level

Core		LAW316	Property in Law and Equity I	3	3
Core		LAW317	Property in Law and Equity II	3	3
Option	One of	COMP340	Systems Engineering Project	4	4
		COMP345	Software Engineering Project	4	
		ISYS346	Information Systems Project	4	
Options	Four of		Units from COMP300–COMP351, ISYS300–ISYS351, ELEC345, ELEC374, MPCE360	12	12
Option	Either	LAW311	Public Law I	3	6
	and	LAW312	Public Law II	3	
	or both	LAW314	Constitutional Law and Administration I	3	
	and	LAW315	Constitutional Law and Administration II	3	
Total					28

400 level

Core		LAW405	Remedies	4	4
Core		LAW406	Business Organisations	4	4
Total					8

500 level

Core		LAW500	Litigation	4	4
Total					4

Electives

Elective	32 cr pts		Any LAW units		32
Elective	3 cr pts		Any 200 or 300-level COMP or ISYS units		3
Total					35

TOTAL					120
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Notes:

1. Pattern applicable to students entering the degree in 2005.
2. A pass or better in COMP124 satisfies the requirement for ISYS114 and COMP115.
3. A pass or better in COMP114, COMP154, COMP224, COMP227, COMP346 or MPCE361 satisfies the requirement for ISYS114, ISYS154, ISYS224, ISYS227, ISYS346 or MPCE360, respectively.

Bachelor of Information Systems with Bachelor of Laws

(Code to be determined)

APPROVED STUDY PATTERN FOR THE DOUBLE DEGREE OF Bachelor of Information Systems WITH Bachelor of Laws

A combined program of information technology and law featuring a rigorous IT core program focusing on software systems development including a final year project in Software Engineering or Information Systems. An industry IT project is an option to suitably qualified final year students. Graduates of the BIS LLB degree will have completed the required areas of knowledge for admission to practice, subject to the requirements of professional training.

General requirements for the degree:

Number of credit points required for the degree	117
Minimum number of credit points required at 200 level or above	67
Minimum number of credit points required at 300 level	28

100 level

Core		ISYS123	Intro. to Information Systems and Technologies	3	3
Core		LAW104	Law, Lawyers and Society	3	3
Core		LAW113	Jurisprudence	3	3
Option	One of	COMP115	Intro. to Computer Science	3	3
		COMP155	Intro. to Computer Science (Adv)	3	
Option	One of	ISYS114	Intro. to Systems Design and Data Management	3	3
		ISYS154	Intro. to Systems Design and Data Management (Adv)	3	
Option	One of	MATH123	Mathematics 123	3	3
		MATH130	Mathematics IE	3	
		MATH132	Mathematics IA (Adv)	3	
		MATH133	Mathematics IB (Adv)	3	
		MATH135	Mathematics IA	3	
		MATH136	Mathematics IB	3	
Total				18	

200 level

Core		COMP247	Data Communications	3	3
Core		ISYS201	Applications Development	3	3
Core		ISYS224	Database Systems	3	3
Core		ISYS227	Requirements Analysis and Systems Design	3	3
Core		LAW203	Torts	3	3
Core		LAW204	Contracts	3	3
Core		LAW205	Criminal Law and Procedure I	3	3
Core		LAW206	Criminal Law and Procedure II	3	3
Total				24	

300 level

Core		ISYS301	Systems Integration	3	3
Core		ISYS302	IT Systems and Project Management	3	3
Core		ISYS303	Advanced Systems Development	3	3
Core		LAW316	Property in Law and Equity I	3	3
Core		LAW317	Property in Law and Equity II	3	3
Option	One of	COMP340	Systems Engineering Project	4	4
		ISYS346	Information Systems Project	4	
Option	One of	COMP343	Cryptography and Information Security	3	3
		COMP344	E-Commerce Technology	3	
		COMP347	Computer Networks	3	
		COMP348	Document Processing and the Semantic Web	3	
		ISYS304	Advanced Systems Analysis and Design	3	
		ISYS326	Information Systems Development	3	
		MPCE360	Technology Management	3	
Option	Either	LAW311	Public Law I	3	6
	and	LAW312	Public Law II	3	
	or both	LAW314	Constitutional Law and Administration I	3	
	and	LAW315	Constitutional Law and Administration II	3	
Total					28

400 level

Core		LAW405	Remedies	4	4
Core		LAW406	Business Organisations	4	4
Total					8

500 level

Core		LAW500	Litigation	4	4
Total					4

Electives

Elective	32 cr pts		Any LAW units		32
Elective	3 cr pts		Any 200 or 300-level COMP units		3
Total					35

TOTAL					117
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Notes:

1. Pattern applicable to students entering the degree in 2005.
2. A pass or better in COMP124 satisfies the requirement for ISYS114 and COMP115.
3. A pass or better in COMP114, COMP154, COMP123, COMP224, COMP227, COMP326, COMP346 or MPCE361 satisfies the requirement for ISYS114, ISYS123, ISYS154, ISYS224, ISYS227, ISYS326, ISYS346 or MPCE360, respectively.

Bachelor of Science with Diploma of Education (TESC02)

APPROVED STUDY PATTERN FOR THE DOUBLE DEGREE OF Bachelor of Science
WITH Diploma of Education
WITH A MAJOR IN Mathematics and ICT Teaching (Information Technology)

A program designed as training for Mathematics and Computing teachers specialising in Information Technology.

General requirements for the degree:

Number of credit points required for the degree	92 (including 12 in EDUC units and 12 in TEP units)
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	28 (including 18 in science units)

100 level

Core		EDUC105	Education: The Psychological Context	3	3
Core		EDUC106	Education: The Social and Historical Context	3	3
Option	One of	COMP115	Intro. to Computer Science	3	3
		COMP155	Intro. to Computer Science (Adv)	3	
Option	One of	COMP125	Fundamentals of Computer Science	3	3
		COMP165	Fundamentals of Computer Science (Adv)	3	
Option	One of	ISYS114	Intro. to Systems Design and Data Management	3	3
		ISYS154	Intro. to Systems Design and Data Management (Adv)	3	
Option	One of	MATH132	Mathematics IA (Adv)	3	3
		MATH135	Mathematics IA	3	
Option	One of	MATH133	Mathematics IB (Adv)	3	3
		MATH136	Mathematics IB	3	
Option	One of	STAT170	Introductory Statistics	3	3
		STAT171	Statistical Data Analysis	3	
Total				24	

200 level

Core		COMP247	Data Communications	3	3
Core		EDUC258	Mathematics in Schools	3	3
Core		ISYS224	Database Systems	3	3
Core		ISYS227	Requirements Analysis and Systems Design	3	3
Core		MATH235	Mathematics IIA	3	3
Core		MATH236	Mathematics IIB	3	3
Core		MATH237	Mathematics IIC	3	3
Core		TEP246	Key Competencies in Special Education	2	2
Option	One of	COMP225	Algorithms and Data Structures	3	3
		COMP229	Object-oriented Programming Practice	3	
		ISYS201	Applications Development	3	
Option	One of	EDUC262	Education: The Learner	3	3
		EDUC264	Education: The Policy Context	3	
Option	Either	TEP295	Curriculum and Instruction in the Secondary School IA	3	3
	Or both	TEP282	Curriculum and Instruction in the Secondary School I	2	
	And	TEP283	Curriculum and Instruction in the Secondary School II	2	
Total				32	

300 level

Core		TEP414	School Experience II	2	2
Core		TEP416	School Experience IIA	2	2
Core		TEP429	Mathematics in the Secondary School I	3	3
Core		TEP430	Mathematics in the Secondary School II	3	3
Core		TEP439	Information and Communication Technologies in the Secondary School	2	2
Option	One of	COMP345	Software Engineering Project	4	4
		ISYS346	Information Systems Project	4	
Options	Four of		COMP300–COMP351, ISYS300–ISYS351, ELEC345, ELEC374, MPCE360	12	12
Total					28

Electives

Elective	2 cr pts		Any science units		2
Elective	6 cr pts		Any units		6
Total					8

TOTAL					92
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Bachelor of Science with Diploma of Education (TESC03)

APPROVED STUDY PATTERN FOR THE DOUBLE DEGREE OF Bachelor of Science
WITH Diploma of Education
WITH A MAJOR IN Mathematics and ICT Teaching (Information Systems)

A program designed as training for Mathematics and Computing teachers specialising in Information Systems.

General requirements for the degree:

Number of credit points required for the degree	92 (including 12 in EDUC units and 12 in TEP units)
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	28 (including 18 in science units)

100 level

Core		EDUC105	Education: The Psychological Context	3	3
Core		EDUC106	Education: The Social and Historical Context	3	3
Option	One of	COMP115	Intro. to Computer Science	3	3
		COMP155	Intro. to Computer Science (Adv)	3	
Option	One of	COMP125	Fundamentals of Computer Science	3	3
		COMP165	Fundamentals of Computer Science (Adv)	3	
Option	One of	ISYS114	Intro. to Systems Design and Data Management	3	3
		ISYS154	Intro. to Systems Design and Data Management (Adv)	3	
Option	One of	MATH132	Mathematics IA (Adv)	3	3
		MATH135	Mathematics IA	3	
Option	One of	MATH133	Mathematics IB (Adv)	3	3
		MATH136	Mathematics IB	3	
Option	One of	STAT170	Introductory Statistics	3	3
		STAT171	Statistical Data Analysis	3	
Total				24	

200 level

Core		COMP247	Data Communications	3	3
Core		EDUC258	Mathematics in Schools	3	3
Core		ISYS224	Database Systems	3	3
Core		ISYS227	Requirements Analysis and Systems Design	3	3
Core		MATH235	Mathematics IIA	3	3
Core		MATH236	Mathematics IIB	3	3
Core		MATH237	Mathematics IIC	3	3
Core		TEP246	Key Competencies in Special Education	2	2
Option	One of	COMP225	Algorithms and Data Structures	3	3
		COMP229	Object-oriented Programming Practice	3	
		ISYS201	Applications Development	3	
Option	One of	EDUC262	Education: The Learner	3	3
		EDUC264	Education: The Policy Context	3	
Option	Either	TEP295	Curriculum and Instruction in the Secondary School IA	3	3
	Or both	TEP282	Curriculum and Instruction in the Secondary School I	2	
	And	TEP283	Curriculum and Instruction in the Secondary School II	2	
Total				32	

300 level

Core		TEP414	School Experience II	2	2
Core		TEP416	School Experience IIA	2	2
Core		TEP429	Mathematics in the Secondary School I	3	3
Core		TEP430	Mathematics in the Secondary School II	3	3
Core		TEP439	Information and Communication Technologies in the Secondary School	2	2
Core		ISYS301	Systems Integration	3	3
Core		ISYS302	IT Systems and Project Management	3	3
Core		ISYS303	Advanced Systems Development	3	3
Core		ISYS346	Information Systems Project	4	4
Option	One of		COMP343, COMP344, COMP347, COMP348, ELEC345, ISYS304, ISYS326, MPCE360	3	3
Total				28	

Electives

Elective	2 cr pts		Any science units		2
Elective	6 cr pts		Any units		6
Total				8	

TOTAL				92	
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