BACHELOR OF BUSINESS [Information Systems]

The program is designed to prepare graduates for a successful career in designing, operating and managing information systems. It provides a sequential series of studies in Information systems, including hardware, networking, management and administration of information systems, with some exposure to marketing and management. Graduates will have the ability to work as information system analysts and managers and website designers, as well as have a foundation for further studies.

A.   Graduate Profile

Graduates will be able to:

Components	Learning Outcomes
Information Systems Studies	Apply fundamental concepts and underlying technologies associated with the internet, computer networks and protocols.
	Critically analyse problem situations and design systematic and technological solutions
	Creatively design, develop, implement and support websites and databases to meet a range of client specifications
Business Studies	Lead people and organizations through efficient and effective management processes and practices.
	Creatively implement advertising strategies, including e-marketing approaches.
Religious & Philosophical Studies	Sympathetically appraise the Seventh-day Adventist faith and demonstrate the responsibilities of having such a faith in their professional and personal life.
Complementary Studies	Utilize ethical research methods and appropriate communication skills in presentations and publications
	Demonstrate a healthy lifestyle which contributes to personal and community health.

B.   Entry Requirements

Pass in FSF7E or its equivalent including a pass in Accounting OR
PSSC result under 11 including a pass in Accounting
Pass in Foundation Studies [Business]
A pass in the Mature Age examination for those over the age of 22 yrs in the year of entry.

C.   Co-curricular Competencies

Competencies	
Computer Skills	Students will demonstrate general knowledge from the computer systems, use software and hardware, file management, keyboarding and basic word processing skills. This is an elementary level for general computer applications, word processing, spreadsheets and power point presentations.
Literacy	Students will be required to achieve a Level 1 (a minimum of 70% in Entry Level 3) in the Future School Literacy software.
Numeracy	Students will required to achieve a Level 1 (a minimum of 70% in Entry Level 3) in the Future School Literacy software.

D.   Sequence

Level	Credits	Sem	IS Studies	Business Studies	Religious & Philosophical Studies	Complementary Studies
Bachelor of Business [Information Systems]
7	360		46%	33%	13%	8%
5	60	1	BIIS101 Information Technology	BIBS101 Quantitative Mathematics		BICS101 Academic Research & Writing
			BIIS102 Computer Principles			
	60	2	BIIS103 Hardware Concepts & Skills	BIBS102 Business Communication	BIRS101 Essentials of Christian Faith	
			BIIS104 Intro to Programming			
6	60	1	BIIS201 Intro to Networking	BIBS201 Intro to Marketing		
			BIIS202 Website Development	BIBS202 Intro to Management		
				BIPR201 Websites and Networking Practicum
	60	2	BIIS203 Multimedia & Graphics	BIBS203 Small Business & Entrepreneurship	BIRS201 Life & Teachings of Jesus	BICS201 Health & Lifestyle
7	60	1	BIIS301 Database Management	BIBS301 Commercial Law		
			BIIS302 Network Administration	BIBS302 Advertising & Promotion Strategy		
				BIPR301 Network Administration & Database Management Practicum
	60	2	BIIS303 System Analysis & Design	BIBS303 Human Resource Knowledge & Management	BIRS301 Applied Christian Ethics	
			BIIS304 Management of IS Systems			

E.   Module Learning Outcomes

No	Module	Learning Outcome	Lev	Cred
Component 1:	**Information Systems**			
1	BIIS 101 Information Technology	Demonstrate a knowledge and understanding of the fundamentals of data communications.	5	15
		Relate the knowledge of data communication to business.		
		Discuss the types of data communication used in the business world.		
		Discuss data protocols and their importance in commercial networks.		
2	BIIS 102 Computer Principles	Understand the fundamental computer concepts and appreciate their applications in the real world.	5	15
		Demonstrate the ability to produce professional reports and records using Microsoft Word and Microsoft Excel.		
		Design a simple customised database for tracking, reporting and sharing data for presentation to a chosen client or customer.		
		Discuss the importance of computer ethics and principles.		
3	BIIS 103 Hardware & Concepts Skills	Demonstrate knowledge about major computer components and their functions	5	15
		Describe the installation process of installing and removing hardware components successfully		
		Discuss the range of errors encountered with hardware		
		Identify the different printer technologies		
		Demonstrate ability to identify and analyze problem solving techniques for troubleshooting common hardware problems		
4	BIIS 104 Introduction to Programming	Outline the basic concepts of programming, its importance in a changing world, and its applications in a business.	5	15
		Discuss the building blocks of programming and apply them in any probable business situation.		
		Develop a software application that uses Visual Basics for a given application area.		
		Demonstrate the ability to incorporate a range of applications to collect and present data in a professional manner.		
5	BIIS 201 Introduction to Networking	Demonstrate an understanding of the fundamentals of computer networks and the Internet	6	15
		Examine the principles of reliable data transfer and multi-access control in wired as well as wireless environments		
		Assess networked systems in terms of performance metrics such as throughput, latencies and resource utilization		
		Evaluate network applications and protocols used for network error detections and corrections.		
6	BIIS 202 Website Development	Explain the World Wide Web (WWW) and its applications	6	15
		Demonstrate the ability to plan, analyze, design and implement a simple and professional website ready to be published.		

		Demonstrate the ability to incorporate multimedia applications to web design.		
		Discuss the components needed to host and publish a website.		
7	BIIS 203 Multimedia & Graphics	Demonstrate the ability to apply appropriate graphic design principles.	6	15
		Demonstrate the ability to develop simple and professional designs.		
		Design a professional and interactive presentation by selecting appropriate multimedia applications.		
8	BIIS 301 Database Management	Critically analyze situations for the application of RDBMS (Relational database management system) solutions	7	15
		Design a suitable relational data model for a given application area		
		Examine the functions required and the organizational implications of administrating a RDBMS and its ethical issues		
		Develop a software application that uses a RDBMS		
9	BIIS 302 Network Administration	Demonstrate an understanding of Netowrk Administration	7	15
		Demonstrate the abiity to set up Users and computer		
		Demonstrate the ability to manage access to resources		
		Demonstrate the knowledge to plan and implement procedures.		
10	BIIS 303 System Analysis & Design	Discuss their understanding of the fundamental concepts of systems analysis and designs.	7	15
		Investigate existing business systems and select alternative solutions to improve and fulfill any subsequent technical solution.		
		Demonstrate the ability to evaluate business systems design using modelling techniques to solve business problems.		
11	BIIS 304 Management of IS Systems	Demonstrate knowledge of ICT-based organizational issues and the organizational information system development and/or procurement process.	7	15
		Investigate, analyze and define the requirements for a viable ICT-based organizational information system and make recommendations on the likely implications, costs and benefits.		
		Critically evaluate a range of applications and techniques to obtain, process and present data in a professional and informative manner.		
		Demonstrate the ability to work effectively as a team, taking leadership roles where appropriate, exercising initiative, self-management, cooperation and collaboration in the completion of the module.		
Component 2:	**Business Studies**			
1	BIBS 101 Quantitative Mathematics	Manipulate algebraic expressions to solve business problems.	5	15
		Distinguish between simple interest and compound interest and their application in solving present and future values.		
		Demonstrate an understanding of the application of annuities to solve future and present values and periodic payments		
		Demonstrate an understanding in the creation of contracts in terms of bonds and its interest and yield payments.		
		Interpret and convert statistical data to information to assist in financial decision making.		

2	BIBS 102 Business Communication	Discuss the fundamentals of achieving effective communication.	5	15
		Demonstrate the ability to write accurate and convincing reports, proposals, letters, agendas and minutes.		
		Discuss the different types of documents needed when going for a job inteview.		
3	BIBS 201 Introduction to Marketing	Explain the meaning of marketing, the process and its relevance in the economy.	6	15
		Communicate the significance of consumers to business and the value organizations gained from building customer relationships.		
		Explain the impact the internal and external environment can have on business and design a marketing mix and strategy to blend with the environment.		
		Discuss the importance of exploring and competing internationally.		
		Demonstrate business ethics and social responsibility in all business transactions.		
4	BIBS 202 Introduction to Management	Discuss the values of applying good management principles	6	15
		Recognize the internal and external factors that impact an organizations management.		
		Discuss the management functions of planning, organizing, leading staff and controlling.		
		Demonstrate analytical skills when managing organizations through changes and challenges.		
5	BIBS 203 Small Business & Entrepreneurship	Discuss the role of entrepreneurship in economic growth and development, and the opportunities for creative innovations as a means of sustainability.	6	15
		Evaluate the options of doing business and developing strategies to capture those opportunities.		
		Apply the key management functions for a successful small business.		
6	BIBS 301 Commercial Law	Demonstrate the ability to understand legal issues relating to any aspects of operation of a business.	7	15
		Discuss the significance of legal treaty in commercial transaction and the menace that may emerge if agreements and contracts are breached.		
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		Critique the different business entities, their legal constituent and the rights and liabilities linked to office holders and consumer protection.		
		Recognize the various legal obligations associated with financial operations of companies.		
7	BIBS 302 Advertising & Promotion Strategy	Recognize the importance of advertising and promotions in all marketing applications.	7	15
		Analyze the market and segment it into different consumer segments and determine a strategy that can best position a brand in a segment.		

		Construct an advertising strategy for a product selecting the most appropriate medium to reach the targeted consumer		
		Synthesize different communication principles to successfully reach consumers.		
		Practice ethical conduct in advertising honouring professional regulations and standards		
8	BIBS 303 Human Resource Knowledge & Management	Critique HR from a strategic perspective.	7	15
		Evaluate the recruitment tools for securing effective employees and retaining them.		
		Analyse the leadership styles practiced by management in different levels of an organisation		
		Discuss strategies managers can utilise to proactively prevent conflict		

Component 3:   Religious & Philosophical Studies

1	BIRS 101 Essentials of Christian Faith	Demonstrate an understanding of Adventist doctrines as biblically centered and rooted in Christ.	5	15
		Illustrate how selected doctrines are still important in the 21st century.		
		Explain the Adventist view of selected controversial doctrines.		
2	BIRS 201 Life & Teaching of Jesus	Construct the historical, political and socio-cultural background to the four gospels and deduce implications for the ministry of Jesus.	6	15
		Demonstrate an understanding of the context and content of the parables and miracles of Jesus.		
		Establish the connection of the gospel message to the daily growth of faith in the One whom the gospel proclaims.		
		Interpret a selected story, parable, or miracle of Jesus.		
3	BIRS 301 Applied Christian Ethics	Apply knowledge of Scripture and its principles and values in moral reasoning and decision making.	7	15
		Evaluate major ethical issues and dilemmas from biblical, contemporary Christian and Seventh-day Adventist perspectives.		
		Formulate appropriate Christian ethical strategies for personal and professional development in the work place.		
		Demonstrate an understanding of key ethical concepts presented in the module.		

Component 4:   Complementary Studies

1	BICS 101 Academic Research & Writing	Demonstrate competence in a variety of types of academic writing.	5	15
		Demonstrate competence in locating and making effective use of secondary research.		
		Generate and analyse a quality questionnaire for a tertiary assignment.		
		Demonstrate oral competency in the English language.		
2	BICS 201 Health & Life Styles	Develop a basic understanding of health from the Biblical perspective.	6	15
		Explain the Adventist perspective on healthful living in relation to the connection between spirituality, mind and body.		

		Analyse the disease trend in the Pacific and its implication for society.		
		Design resources that will address health issues in a local community setting.		