



Program Matrix

Faculty		Faculty of Business													
Program		Management Information Systems													
Award		Diploma of Business - Management Information Systems													
Credit Hours		36													
Academic Year		Cohort 2026/2027 Onwards													
Level	Semester 1					Semester 2					Semester 3				
	Course Code	Course Name	Pre-requisite	Core/Elective	Credit Hours	Course Code	Course Name	Pre-requisite	Core/Elective	Credit Hours	Course Code	Course Name	Pre-requisite	Core/Elective	Credit Hours
1	BUMG1110	Principles of Management	None	Core	4	BUMK1201	Principles of Marketing	None	Core	4				Choose an item.	
	BUMG1105	Business Statistics	None	Core	4	BULA1201	Introduction to Business Law	None	Core	4				Choose an item.	
	BUMG1104	Introduction to Microeconomics	None	Core	4	BUMG1202	Introduction to Macroeconomics	None	Core	4					
	BUAC1101	Principles of Accounting	None	Core	4	UNIR1100	Communication Skills I	None	Core	3					
	UNIR1002	Arabic Language Skills	None	Core	2	UNIR1003	Oman and Islamic Culture	None	Core	2					
2	BUAC2101	Financial Accounting	None	Core	4	BUIS2101	Management Information Systems	None	Core	4				Choose an item.	
	BUIS2101	Fundamentals of Web Design	None	Core	4	BUIS2102	Introduction to Database	BUIS2102	Core	4				Choose an item.	

BUIS2102	Business Systems Analysis and Design	None	Core	4	BUIS2203	Business communication and network	None	Core	4	
BUMG2110	Organizational Behavior	BUMG1110	Core	4	UNIR2100	Communication Skills II	UNIR1100	Core	3	
UNIR2001	Entrepreneurship	None	Core	2						

Diploma Award:

An internship course (or an equivalent) is a mandatory requirement for students at the Diploma level. The internship course is non-credit-bearing and must be successfully completed to fulfill program requirements.



Level 1

Course 1 code: BUMG1110

Introduction to management principles, concepts, and techniques, management process and functions including:

1. Planning and decision-making, organizing, staffing, leadership, motivation, communication and control.
2. Nature and importance of business and its objectives, development of a fundamental understanding of some basic functions in business such as production and operations, marketing, finance, and human resource management.

Course 2 code: BUMG1105

Basic statistical concepts and techniques such as sample, population, parameter, statistic, descriptive statistics, probability concepts, theoretical discrete and continuous probability distributions (Binomial, Poisson, and Normal), inferential statistics (confidence intervals and Hypothesis testing) as applied in business and economics.

Course 3 code: BUMG1104

Fundamental economics concepts, opportunity cost, scarcity, demand, supply, price mechanisms, household behavior, government role, utility, market structure, profit maximization, theory of the firm, income, applied microeconomics

Course 4 code: BUAC1101

Accounting as a source of information for decision makers in profit and non-profit organizations. The basic concepts of accounting such as revenues, expenses, assets, liabilities, profit and capital. Introduction to double entry and elementary bookkeeping. Recording simple transactions, adjusting the accounts for prepayments and accruals, completing the accounting cycle and preparing elementary financial statements. Accounting for a complete cycle for merchandising enterprises (perpetual inventory systems) and preparing bank reconciliation.

Course 5 code: UNIR1002: يتناول هذا المقرر عددًا من القضايا النحوية والصرفية والإملائية والبلاغية التي تسهم في إكساب المهارات اللغوية. هذه القضايا تتعلق بأقسام الكلام، وأنواع الإعراب، والجملة الاسمية، والجملة الفعلية، ومكملات الجملة، والخبر، والإنشاء. ويتوصل الطالب إلى فهم هذه القضايا عن طريق نصوص تطبيقية مختارة، مع التركيز على تنمية المهارات اللغوية الأساسية (الاستماع، والقراءة، والكتابة، والتحدث).

Course 6 code: BUMK1201

Introduction to marketing principles from conceptual, analytical and managerial points of view; Marketing Mix; Marketing Environment; Consumer Markets and Consumer Buyer Behavior and their application; Business Markets and e-marketing.

Course 7 code: BULA1201

The course focuses on the introduction to legal systems and principles, sources of law, business law in Oman, essential elements of contract law, basic business structures in Oman, and the law of agency. The final part of the course will introduce students with alternative dispute resolutions in business.

Course 8 code: BUMG1202

The main areas, which will be covered in this course, are the objectives of macroeconomic policies, GDP, economic growth, Inflation, employment, Interest rate, Investment, taxation, government expenditure, fiscal and monetary policies, balance of payments, relations with International economy and contemporary issues.

Course 9 code: UNIR1100



This course is designed to provide students with the performance-based skills required to communicate effectively and efficiently in their future workplace. Team Based Learning is introduced to actively engage students in a learning process, to have better learning outcomes and to develop their collaborative skills and build up their confidence in communicating in English.

يشتمل هذا المقرر على نطاق عريض من المعارف والمهارات والقيم التي تعزز وعي الطلبة بهوية المجتمع العماني وقيمته، وفهم دور المتغيرات التراثية والتاريخية UNIR1003 Course 10 code: والديمقراطية والثقافية والمؤسسية في تشكيل الهوية العمانية وتحديد سماتها. ويركز المقرر على التنظيم الإداري للدولة، ومنطلقات النهضة العمانية المعاصرة ومؤثراتها من خلال تسليط الضوء على فكر حضرة صاحب الجلالة السلطان هيثم بن طارق المعظم، ويركز المقرر أيضا على تعزيز قيم الانتماء والولاء والمواطنة وعلاقتها بحقوق الإنسان، والتعريف بعلاقة السلطنة بمحيطها الخليجي والعربي والإقليمي والدولي بما في ذلك المواثيق الدولية، بالإضافة إلى تسليط الضوء على الأمن الفكري والتحديات المعاصرة، ودور مؤسسات الدولة المدنية والعسكرية في خدمة الوطن.

Level 2

Course 1 code: BUAC2101

This course is compulsory for all business students who pursue a diploma in all business streams. The students will be introduced to Accounting for Receivables, Accounting for Plant assets, Natural resources, and Intangibles, Accounting for Liabilities, Accounting for Partnerships and Corporations, Financial Statements preparation, and Cash Flow Statement in particular.

Course 2 code: BUIS2101

Fundamentals of Web Design is an introductory course aims to provide the students with the knowledge and skills required for developing Web sites for business or other use. Along with the basics of the Internet, the WWW (World Wide Web), and client/server model technologies, students will get a hands-on experience on how to create web sites using HTML5, CSS3 (Cascading Style Sheets) for styling and Java Script for interactive webpage. The team collaboration will be an essential part of the course as well as the implementation of a real web site

Course 3 code: BUIS2102

Business Systems Analysis and Design is an introductory course in Systems Analysis and Design that aims to make students aware of the concepts of Object-oriented (OO) analysis and design as the principal industry-proven method for developing reliable, modular, testable programs and systems. This course provides an introduction to the latest OO requirements gathering, analysis, design, and testing methods. Intensive hands-on exercises offer a working knowledge that turns concepts into practice

Course 4 code: BUMG2110

To explore the nature of Organizational Behavior, Individual Behavior, Values and Personality, Perception and learning in organizations, Emotions & Attitudes, Foundations of group behavior, Power and Politics, Organizational Culture and Change.

Course 5 code: UNIR2001

This course is an introductory course in entrepreneurship and innovation. The course aims to expose undergraduate students of various academic backgrounds to business venturing and entrepreneurial activity. Students will apply themselves through developing their own business ideas and assessing them using knowledge and skills acquired during the course

Course 6 code: BUIS2201

Foundation concepts of technology, applications, development, and management. Computer hardware, software, telecommunication and database. Business applications of IS in business operations, decision making and strategic advantage. Management issues such as security, ethics, IS management, IS planning, Knowledge management

Course 7 code: BUIS2202

This course introduces the fundamental concepts of data, database and database management systems. Students will gain knowledge and practical skills for designing conceptual data model, and developing relational database system using any SQL.

Course 8 code: BUIS2203

This course presents the foundations of data communications and takes a bottom-up approach to computer networks. The Physical Layer is presented in the form of basic Data communication concepts over various transmission media, wireless transmission, and the telephone system. The Data Link Layer presentation deals with design issues, multiple access protocols, IEEE standard 802 for LANs and WLANs, as well as bridges, switches and high-speed LANs. The basic functions of the Network Layer are explained in the context of design issues, internetworking, and the network layer in the Internet. The Transport Layer includes the transport service and elements of transport protocols, as well as the TCP and UDP Internet transport protocols. The Application Layer issues cover the main distributed applications, such as electronic mail. The course concludes

Course 9 code: UNIR2100

The purpose of the course is to equip students with the necessary language skills that are required in communicating in an effective way. A major focus of the course will be on writing skills including paragraph organization, structure and using appropriate language for oral communication. This course also aims to familiarize students with the use of relevant language elements for describing graphs, charts and their trends. Team Based Learning instructional strategies are used in this course.

Level 3

Course 1 code: BUIS3101

The Advanced Web Design course is to prepare students for being able to work as an entry level professional with professional web design team. The course will mix of theoretical and practical skills required for web content management and client-side/server-side functionality using HTML/CSS/JavaScript having PHP/My SQL as backend technologies for dynamic web development

Course 2 code: BUIS3102

Database Management course introduces the management of database systems. It emphasizes on the concepts of different types of database management systems, data architecture, model representations, Normalization, data warehouse, data mining, SQL for database development, managerial issues, Web databases, relation with EC.

Course 3 code: BUIS3103

This course is designed to introduce the concepts and nature of E-Business, doing business in the digital economy, B2B applications, and major models of E-business. Understanding the enterprise systems and the supply chain, global and inter-organizational information systems, building an E-Business, network computing for collaboration practical cases, impact on business, EB strategy

Course 4 code: BUIS3104

This course delivers an introduction to Business Intelligence (BI) as a part of and functionality of Information Systems. It explores how business problems can be solved effectively through use of data warehouses, data mining and how to gain new insights into organizational operations and help improve enterprise decision making. It also includes discussion on the differences between types of reporting and analytics, enterprise data warehousing, data management systems, decision support systems, knowledge management systems, and big data. This course emphasizes the principles and best practices for how to use data to support fact-based decision making within the enterprise

Course 5 code: BUAC3201

This course explores the fundamentals of business processes and transaction processing, AIS documentation, internal controls, AIS cycles, issues related to cybercrimes & threats and ethics, and the use of computer software as tool for AIS documentation and data processing

Course 6 code: BUIS3201

The scope of this course is to introduce the concept of Enterprise Systems and Enterprise Resource Processing (ERP). Business Functions and Business Processes. Topics include a development of enterprise resource planning systems, process modelling and practical knowledge on ERP systems using SAP and odoo application

Course 7 code: BUMG3202

The overall aim of this course is to focus on developing students' knowledge of international business so that they understand how business function in international context. In particular, the course will focus on various aspects of international business such as trends in the international marketplace, international business environment issues, theories of international trade, internationalization factors, internationalization process, market entry modes, cultural aspects of international management, globalization, international investment mobilization and international financial institutions

Course 8 code: UNIR3100

The purpose of the course is to enhance students' performance-based competence, reinforce essay composition skills and introduce students to the practices and finer points of writing for academic purposes. It further develops academic writing skills including: note taking, paraphrasing, summarizing, direct quotation and Harvard style citation. The course will place equal or greater emphasis on composition skills such as: essay structure, paragraph structure, coherence and general language skills. University Requirement

Level 4

Course 1 code: BUIS4101

This course explores the current trend of using mobile applications to meet innovative public private and community information services and will describe the hardware and software involvement in developing mobile applications. The students will learn how to design and develop mobile applications using appropriate software

Course 2 code: BUIS4102

The Information Systems Project Management course focuses on the processes, tools, techniques and areas of knowledge required to successfully manage Information Systems Projects. Central to the course is the concept of how to create Measurable Organizational Value (MOV) through Information Systems (IS) projects. The course uses the concept of MOV, combined with research results, to create a solid foundation for making decisions throughout the project's lifecycle

Course 3 code: BUIS4103

This course explores the adoption of information and communication technologies for digital transformation of government institutions' administration, interaction and delivering services to the citizens and other private/public sectors organizations electronically. Moreover, the course also focuses on current e-government initiatives, trends and challenges in the context of Oman

Course 4 code: BUMG4104

The Research Project A course is designed to equip students with skills to develop a research proposal. The course covers the fundamentals of a research project such as research objectives and research questions, literature review, various elements of qualitative and quantitative methods, negotiating access, ethical issues, data collection and data analysis

Course 5 code: BUMG4201

This course introduces the students to the theory and practice of strategic management with a view to building and applying skills in conceptualizing strategic planning and developing actual strategic plans for various organizational settings

Course 6 code: BUIS4201

Information Systems Auditing examines the management controls within an Information Technology infrastructure and the associated business applications. IS Auditing considering the concepts, importance, standards, safeguards and guidelines of auditing an information system. Topics covered include the common Information Technology environment, as well as IS legislation, IS audit processes, and tools and techniques used for IS auditing. The course also considers the auditing profession, internal and external audit functions, IS crimes and cyberattacks

Course 7 code: BUIS4202

Ethics is the systematic philosophical study of the moral domain, investigating the basic principles of right and wrong that individuals use to make choices to guide their behavior. Digital ethics is the study of ethical behavior in an online digital medium. This course investigates the philosophical foundations of morality and ethics, as related to privacy, security and anonymity, intellectual property rights, the social context of computing, software issues, Artificial Intelligence, online social networks and mobile systems. While also considering computer crimes in general, including technology as the object and the means of crimes, investigating online behavior, cyberbullying, fraud, identity theft, phishing, hacking, and the use of spam

Course 8 code: BUIS4203

This course is built on the fundamentals of Business Research Methods course; students are expected to conduct independent research through which they are expected to demonstrate a command of the research process including identification of business problems, data collection, interpretation, and presentation

Internship Course:

This course provides students with the opportunity to apply the knowledge and skills acquired during their studies in a workplace environment, enhance their career readiness, and develop their professional and practical competencies in alignment with the program learning outcomes and labour market requirements. The course is a compulsory component of the academic program, where applicable, depending on the nature of the program. It is governed by the University's approved policies and procedures and is supervised by academic staff in collaboration with the host training organisations. The specific requirements, duration, and assessment methods vary according to the academic program.