

Programme Matrix

Faculty	Business
Program	Management Information System
Award	Bachelor of Management Information Systems
Credit Units/ Hours	68/131
Academic Year	2025/2026

Level	Semester 1						Semester 2					
	Course Code	Course Name	Pre-requisite	Core/ Elective	Units	Hours	Course Code	Course Name	Pre-requisite	Core/ Elective	Units	Hours
1	BUMG1110	Principles of Management	N/A	Core	2	4	BUMK1201	Principles of Marketing	N/A	Core	2	4
	BUMG1105	Business Statistics	N/A	Core	2	4	BULA1201	Introduction to Business Law	N/A	Core	2	4
	BUMG1104	Introduction to Microeconomics	N/A	Core	2	4	BUMG1202	Introduction to Macroeconomics	N/A	Core	2	4
	BUAC1101	Principles of Accounting	N/A	Core	2	4	UNIR1100	Communication Skills I	N/A	Core	2	3
	UNIR1002	Arabic Language Skills	N/A	Core	1	2	UNIR1001	Oman and Islamic Culture	N/A	Core	1	2
2	BUAC2101	Financial Accounting	BUAC1101	Core	2	4	BUIS2201	Management Information Systems	NA	Core	2	4
	BUIS2101	Fundamentals of Web Design	NA	Core	2	3	BUIS2202	Introduction to Database	BUIS2102	Core	2	3
	BUIS2102	Business Systems Analysis and Design	NA	Core	2	3	BUIS2203	Business communication and network	NA	Core	2	3
	BUMG2110	Organizational Behavior	BUMG1110	Core	2	4	UNIR2100	Communication Skills II	UNIR1100	Core	2	3
	UNIR2001	Entrepreneurship	NA	Core	2	2						

3	BUIS3101	Advanced Web Design	BUIS3101	Core	2	3	BUAC3201	Accounting Information Systems	BUAC2101	Core	2	4
	BUIS3102	Database Management	BUIS3102	Core	2	3	BUIS3201	Enterprise systems	BUIS2201	Core	2	3
	BUIS3103	Digital Business	NA	Core	2	4	BUMG3202	International Business	BUMG1110	Core	2	4
	BUIS3104	Business Intelligence	NA	Core	2	3	UNIR3100	Communication Skills III	UNIR2100	Core	2	3
4	BUIS4101	Mobile Application Development	BUIS3103	Core	2	3	BUMG4201	Strategic Management	BUMG1110	Core	2	4
	BUIS4102	Information Systems Project Management	NA	Core	2	3	BUIS4201	Information systems Auditing	NA	Core	2	4
	BUIS4103	Digital Government	NA	Core	2	3	BUIS4202	Digital Crimes and Ethics	NA	Core	2	3
	BUMG4104	Business Research Methods	BUMG1110	Core	2	4	BUIS4203	Graduation Project	BUMG4104	Core	2	4

Level 1	Course Requirement
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.	Faculty Requierment
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.	Faculty Requierment
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	Faculty Requierment
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.	Faculty Requierment
UNIR1002 يعتني هذا المقرر بتطور مهارات اللغة العربية لدى الطلبة، وما يتعلق بها من قواعد نحوية وإملائية، كما يعتني بتقنيات الكتابة في مجموعة من الأنماط الوظيفية، كالسيرة الذاتية، وعرض الكتاب وتقدمه، وكتابة التقرير.	University Requierment
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.	Faculty Requierment
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.	Faculty Requierment
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,	Faculty Requierment

fiscal and monetary policies, balance of payments, relations with International economy and contemporary issues.	
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 .	University Requierment
UNIR1001 يتضمن هذا المقرر عرضاً لمدخل دراسة الثقافة الإسلامية، وأهميتها، ومصادرها وخصائصها، ومقوماتها، والمعالم الثقافية التي امتازت، ودور الثقافة الإسلامية في بناء الشخصية المسلمة، وكيفية مواجهة التحديات المعاصرة التي تعصف بالأمة المسلمة اليوم، وأساليب الغزو الفكري، كما يستعرض إسلام أهل عمان، وأبرز ملامح الثقافة الإسلامية في المجتمع العماني، ودور العمانيين في بناء الحضارة الإسلامية ونشر الإسلام، وإسهاماتهم في المجالين التجاري والحضاري.	University Requierment
Level 2	
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, Cash Flow Statement in particular.	Faculty Requierment
BUIS2101 The aim of this course is to provide the students with the knowledge and skills required to develop Web sites for business or other use. The students will learn the basics of the Internet, the WWW (World Wide Web), and understand the architecture of a client/server model. They will get a hands-on experience on how to create web sites using HTML5, how to improve them using CSS3 (Cascading Style Sheets), how to make them interactive using a scripting language (JavaScript) and how to give them a dynamic character by using the client/server model through PHP. The team collaboration will be an essential part of the course as well as the implementation of a real web site.	Faculty Requierment
BUIS2102 Business Systems Analysis and Design is an introduction course to Systems Analysis and Design which 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 introductions in the latest OO requirements gathering, analysis, design, and testing methods. Intensive hands-on exercises offer a working knowledge that turns concepts into practice.	Faculty Requierment
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.	Faculty Requierment

<p>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.</p>	<p>University Requierment</p>
<p>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</p>	<p>Faculty Requierment</p>
<p>BUIS2202 This course introduces the fundamental concepts of data, database and management, the theoretical and practical content of the course will cover the conceptual data model, data architecture the logical data model and Normalization associated with database management systems (DBMS).</p>	<p>Faculty Requierment</p>
<p>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 with an overview of basic network security and management concepts.</p>	<p>Faculty Requierment</p>
<p>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.</p>	<p>University Requierment</p>
<p>Level 3</p>	
<p>BUIS3101 The Advanced Web Design course is to prepare students for being able to work as an entry level professional with a 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/PHP/My SQL.</p>	<p>Faculty Requierment</p>

BUIS3102 Introduction of database concepts, data architecture, model representations, DBMS, Normalization, SQL, Database development, database management, managerial issues, Business applications of database (using selected tools). Web databases, relation with EC.	Faculty Requierment
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.	Faculty Requierment
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.	Faculty Requierment
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.	Faculty Requierment
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.	Faculty Requierment
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.	Faculty Requierment
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,	University Requierment

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

Level 4

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.	Faculty Requierment
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.	Faculty Requierment
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.	Faculty Requierment
BUMG4104	The Research Project A course is deigned 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.	Faculty Requierment
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."	Faculty Requierment
BUIS4201	Information Systems Auditing examines the management controls within an Information Technology infrastructure and the associated business applications. IS Auditing considers 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.	Faculty Requierment

<p>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 behaviour, cyberbullying, fraud, identity theft, phishing, hacking, and the use of spam.</p>	<p>Faculty Requierment</p>
<p>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.</p>	<p>Faculty Requierment</p>