



College of Business
Department of Management Information Systems

B.A Study Plan

Major: Management Information Systems

Academic Year: 2025/2026

Study Plan Credit hours (132)

Type of Program: **Blended/ Online**

Major Type:

Humanities

Scientific/Technical

Science Medical

Teaching Type	Percentage of study plan hours/number	Actual Ratio
Complete Online E-Learning	20% - 10% Maximum	20%
Blended learning (for humanities)	60% - 40% Maximum	46%
Blended learning (for scientific majors)	50% - 30% Maximum	
Face-to-face learning (for humanities)	20% Minimum	34%
Face-to-face learning (for scientific majors)	30% Minimum	

Note: The learning types of the courses are disseminated at all academic levels in the program



Department Vision

Entrepreneurship and excellence in education, academic learning and research in the field of management information systems at the local and regional levels.

Department Mission

Preparing scientifically qualified staff supported by knowledge and skills of management information systems and professional ethics to work in all areas of management information systems, to meet the needs of the local and regional community, in accordance with local and international quality criteria.

Program Mission

Providing distinguished academic programs in management information systems supported by knowledge, skills and professional ethics through qualified staff capable of keeping pace with local and international standards in accordance with the e-learning inclusion criteria.

Educational Program Objectives

1. Preparing qualified cadres capable of applying the appropriate management concepts and principles of developing and operating information systems.
2. Fostering thinking skills, personal skills, concepts of organization, and ethics in the process of developing information systems.
3. Promoting students' potential in applying technical concepts in the field of information technology.
4. Promoting research potential in enhancing the success of information systems in business organizations.
5. Preparing teaching staff capable of keeping pace with technological development in the field of education.

Educational Program Outcomes

1. Understand modern theoretical and practical knowledge in the field of management information systems and management of information technology projects.
2. Explain the role of information systems in solving problems and making decisions.
3. Apply the skills of dealing with management information systems.
4. Analyzing information systems and maintaining their sustainability.
5. Assessment of ethical responsibilities in the field of business management and information systems.





6. Develop communication and teamwork skills.

Plan Contents

The bachelor's degree program in Management Information Systems consists of 132 credit hours, distributed as follows:

Sequence	Classification	Credit Hours	Percent %
1st	University Requirements	27	20.5%
2nd	College Requirements	18	13.6%
3rd	Program Requirements	87	65.5%
Total		132	100%

Coding System Approved by the University

2	0	5	1,2,3,4,5	Semester	year		
College Code	Major Code		Knowledge domain	Course Level		Sequence	

Knowledge Domain

Credited Hours of Study Plan	Knowledge Domain	Domain Code
15	Data management, analysis, and system design	1
15	Administrative and Financial Sciences	2
12	Programming languages and their applications in the field of business	3
12	Business Information Systems and Applications	4
9	Electronic Business Systems and Multimedia	5



First: University Requirements: (27) Credit Hours

A. Compulsory Requirements: (18)Credit Hours

Teaching type			Course Number	Course Title	Credited Hours	Pre-Requisite
Online E-Learning	Blended	Face-to-Face				
√			5051104	Communication Skills Arabic Language(1)	3	5051111
√			5051105	Communication Skills English Language(1)	3	5051112
√			50511205	Life Skills and Social Responsibility	3	-
√			50511206	National Education	3	-
√			50511305	Entrepreneurship and Innovation	3	-
√			50511308	Military Science	3	-
√			50541209	Volunteering and Community Development	0	-
Total					18	

B. Elective Requirements: (9)Credit Hours from the following list:

Teaching type			Course Number	Course Title	Credited Hours	Pre-Requisite
Online E-Learning	Blended	Face-to-Face				
√			50521106	Communication Skills Arabic Language(2)	3	5051104
√			50521107	Communication Skills English Language(2)	3	5051105
√			50521203	Principles of Psychology	3	-
√			50521204	Human Rights	3	-
√			50531101	Islamic Culture	3	-
√			50531205	Quds and Hashemite Custodianship	3	-
√			50541103	Computer Skills	3	5051113
√			50541204	Development and Environment	3	-



Teaching type			Course Number	Course Title	Credited Hours	Pre-Requisite
Online E-Learning	Blended	Face-to-Face				
√			50541206	Health and Society	3	-
√			50541208	Introduction to Sustainable Development	3	-
√			50541211	Introduction to Artificial Intelligence	3	-
√			50541308	Foreign Language	3	-
√			50541309	Digital Culture	3	5051113
Total					33	

Second: College Requirements: (18) Credit Hours

A. Compulsory Requirements: (18) Credit Hours

Teaching type			Course Number	Course Title	Credited Hours	Pre-Requisite
Online E-Learning	Blended	Face-to-Face				
	√		20111101	Principles of Business Administration	3	-
		√	20211101	Principles of Accounting (I)	3	-
		√	22211101	Principles of Financial Management (I)	3	-
	√		20911111	Principles of Digital Marketing	3	-
	√		20541101	Basics of Management Information Systems	3	-
	√		20851101	Basics of Human Resources Management	3	-
Total					18	



Third: Program Requirements (87) Credit Hours

A. Compulsory Requirements: (63) Credit Hours

Teaching type			Course Number	Course Title	Credited Hours*	Theoretical	Practical	Pre-Requisite
Online E-Learning	Blended	Face-to-Face						
		√	20123102	Operations Research	3	3	-	50551106
		√	20534101	Contemporary Programming Languages	3	-	3	20531201
		√	20931103	E Customer Relationships Management	3	2	1	20911111
	√		20512101	Analysis and Design of Information Systems	3	3	-	20541101
	√		20512103	Knowledge Management Systems	3	3	-	20541101
	√		20512203	Database Management	3	3	-	20541101
		√	20513106	Database Applications	3	-	3	20512203
		√	20513205	Cyber Security in Business	3	2	1	20541101
		√	20514103	Business Intelligence and Analytics	3	2	1	20541101
	√		20524206	IT Project Management	3	3	-	20541101
		√	20531201	Introduction to Programming	3	3	-	-
		√	20133211	Applications of Artificial Intelligence in Business	3	-	3	-
	√		20542205	Advanced Management	3	3	-	20541101



Teaching type			Course Number	Course Title	Credited Hours*	Theoretical	Practical	Pre-Requisite
Online E-Learning	Blended	Face-to-Face						
				Information Systems				
		√	20543102	Enterprise Resources Planning systems(ERP)	3	2	1	20541101
	√		20113108	Business Entrepreneurship	3	3	-	
		√	20542101	Electronic Supply Chain Management	3	2	1	20541101
	√		20552202	Networking and Communication Systems for Business	3	3	-	20541101
	√		20553102	Electronic Business/E	3	3	-	20541101
		√	20553104	Website Design	3	-	3	
		√	20544205	Graduation Project	3	-	3	At least 90 CH
		√	20544206	Field Training	3	-	3	At least 90 CH
			Total		63	44	19	

* Credit Hours

B. Elective Requirements: Student chooses (9) Credit Hours from the following courses:

Teaching type			Course Number	Course Title	Credited Hours*	Theoretical	Practical	Pre-Requisite
Online E-Learning	Blended	Face-to-Face						
	√		20111206	Administrative Communication Skills	3	3	-	20111101
	√		20132206	Total Quality Management	3	3	-	20111101
	√		20552101	Multimedia Systems/E	3	3	-	20541101



Teaching type			Course Number	Course Title	Credited Hours*	Theoretical	Practical	Pre-Requisite
Online E-Learning	Blended	Face-to-Face						
	√		20514108	Special Topics in Information Systems /E	3	3	-	20542205
	√		20543205	Strategic Information Systems	3	3	-	20541101
	√		20553205	Marketing Information Systems	3	3	-	20541101
	√		20522101	Technology Change Management	3	3	-	20541101
	√		20552104	Computer Ethics	3	3	-	-
	√		20652102	Commercial Legislation	3	3	-	-
			Total		9			

* Credit Hours

C. Ancillary Courses (12) Credit Hours:

Teaching type			Course Number	Course Title	Credited Hours*	Theoretical	Practical	Pre-Requisite
Online E-Learning	Blended	Face-to-Face						
	√		20132107	Scientific Research Methods	3	3	-	-
	√		22221201	Principles of Economic Sciences	3	3	-	-
	√		50531108	Principles of Business Statistics	3	3	-	-
	√		50551106	Business Mathematics	3	3	-	-
			Total		12	12		

* Credit Hours



E : free course (3) Credit Hours:

F. Compulsory remedial Requirements

Teaching type			Course Number	Course Title	Credited Hours	Pre-Requisite
Online E-Learning	Blended	Face-to-Face				
√			5051111	Arabic language (remedial)	3	-
√			5051112	English language (remedial)	3	
√			5051113	Computer skills (remedial)	3	
			Total		9	



Guidance plan

First Year

First Semester					
Course No.	Course Title	Type of Learning	Credited Hours*	Prerequisite	Co-requisite
2011101	Principles of Business Administration	Blended	3	-	-
2021101	Accounting Principles (I)	Face to face	3	-	-
2221101	Principles of Financial Management (I)	Face to face	3	-	-
2091111	Principles of Digital Marketing	Blended	3	-	-
2054101	Basics of Management Information Systems	Blended	3	-	-
Total			15		

Second Semester					
Course No.	Course Title	Type of Learning	Credited Hours*	Prerequisite	Co-requisite
22221201	Principles of Economic Sciences	Blended	3	-	-
20851101	Basics of Human Resources Management	Blended	3	-	-
50531108	Principles of Business Statistics	Blended	3	-	-
-----	Compulsory University Requirements	Online E-Learning	3	-	-
-----	Compulsory University Requirements	Online E-Learning	3	-	-
20531201	Introduction to Programming	Face to face	3	-	-
Total			18		

* Credit Hours



Second Year

First Semester					
Course No.	Course Title	Type of Learning	Credited Hours*	Prerequisite	Co-requisite
-----	Compulsory University Requirements	Online E-Learning	3	-	-
20132107	Scientific Research Methods	Blended	3	-	-
20542101	Electronic Supply Chain Management	Blended	3	-	-
20512101	Information Systems Analysis and Design	Blended	3	20541101	-
-----	Compulsory University Requirements	Online E-Learning	3	-	-
20133211	AI Applications in Business	Face to face	3	-	-
Total			18		

Second Semester					
Course No.	Course Title	Type of Learning	Credited Hours*	Prerequisite	Co-requisite
20552202	Networking and Communication Systems for Business	Blended	3	20541101	-
20542205	Advanced Management Information Systems	Blended	3	20541101	-
20512203	Database Management	Face to face	3	20541101	-
50551106	Business Mathematics	Blended	3	-	-
20512103	Knowledge Management System	Blended	3	20541101	-
-----	Elective University Requirements	Online E-Learning	3	-	-
Total			18		

* Credit Hours





Third Year

First Semester					
Course No.	Course Title	Type of Learning	Credited Hours*	Prerequisite	Co-requisite
20133203	Operations Research	Face to face	3	50551106	-
20113108	Business Entrepreneurship	Blended	3	20111101	-
20513106	Database Applications	Face to face	3	20512203	-
20553102	Electronic Business/E	Blended	3	20541101	-
-----	Elective University Requirements	Online E-Learning	3	-	-
-	Elective Department Requirements	Blended	3	-	-
Total			18		

Second Semester					
Course No.	Course Title	Type of Learning	Credited Hours*	Prerequisite	Co-requisite
20513205	Cyber Security in Business	Face to face	3	20541101	-
20543102	Enterprise Resources Planning systems (ERP)	Blended	3	20541101	-
20553104	Website Design	Face to face	3	20541101	-
-----	University Compulsory Requirements	Online E-Learning	3	-	-
-----	Free course	-	3	-	-
-	Elective Department Requirements	Blended	3	-	-
Total			18		

* Credit Hours



Fourth Year

First Semester					
Course No.	Course Title	Type of Learning	Credited Hours*	Prerequisite	Co-requisite
20931103	Electronic Customer Relationships Management	Blended	3	20911111	-
20534101	Contemporary Programming Languages	Blended	3	20531201	-
-----	Elective University Requirements	Online E-Learning	3	-	-
	Elective University Requirements	Online E-Learning	3		
-----	Elective Department Requirements	Blended	3	-	-
Total			15		

Second Semester					
Course No.	Course Title	Type of Learning	Credited Hours*	Prerequisite	Co-requisite
20514103	Business Intelligence and Analytics	Face to face	3	20541101	-
20544205	Graduation Project	Face to face	3	Pass 90 H	-
20544206	Field Training	Face to face	3	Pass 90 H	-
20524206	IT Project Management	Blended	3	20542205	-
Total			12		

* Credit Hours

Courses Tree

Courses Tree

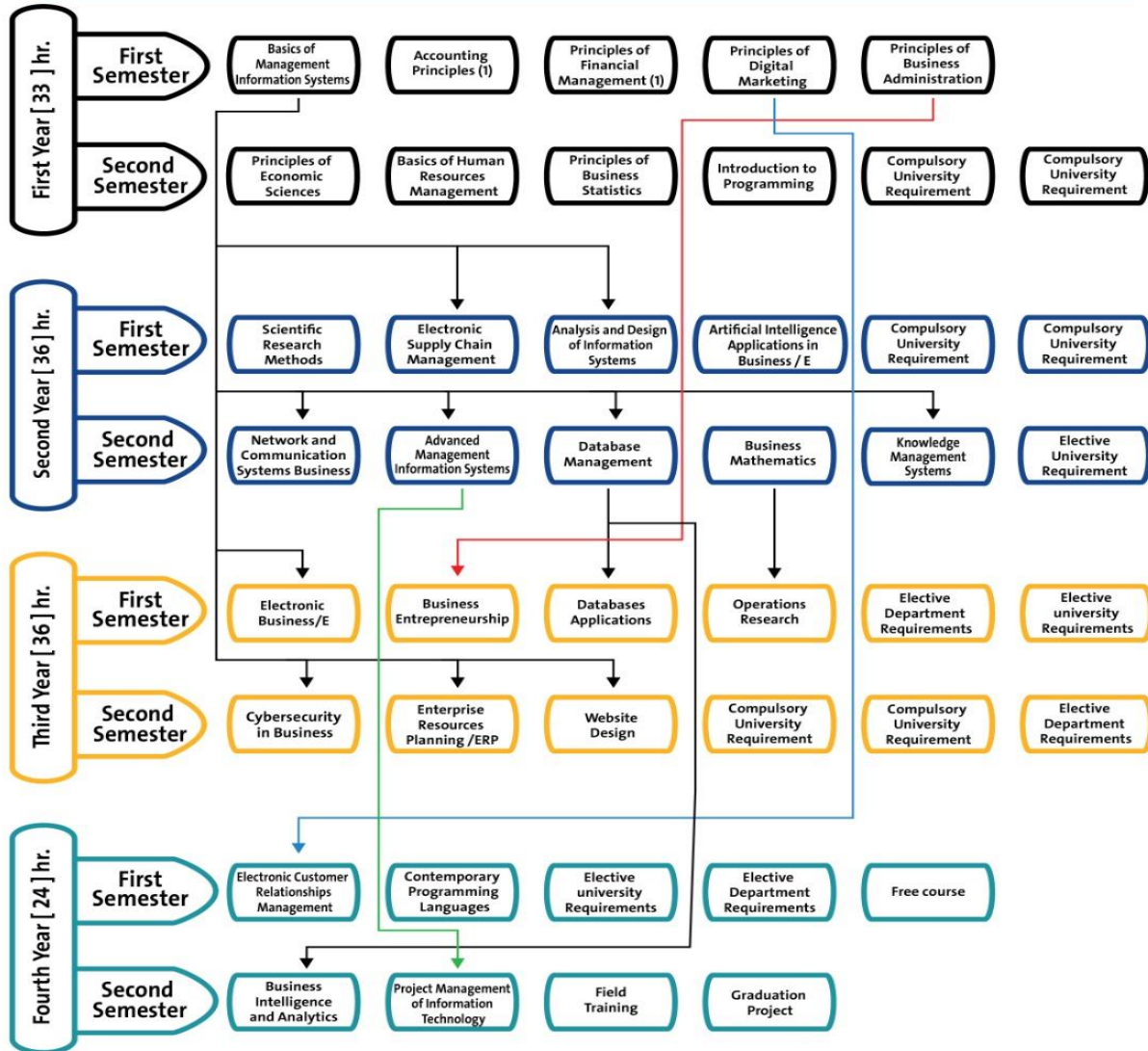
College: Business

Department: Management information systems

Major: Management information systems

Program: Bachelor

Issue Date: 2025/2026



F566-1, Rev. a
Ref.: Quality Assurance Council Session (08/2021-2022), Decision No.: 01, Date: 21/05/2022



F026-1, Rev. d
Ref.: Deans' Council Session (14/2025-2026), Decision No.: 02, Date 09/12/2025





Course Description

(2011101), Principles of Business Administration, (Credit Hours 3, N: 3, P: 0), Prerequisite: None, Learning Type: Blended.

This course aims to equip students with a comprehensive understanding of fundamental management concepts and various management schools, enabling a deeper comprehension of organizational operations and effective management. It covers the essential functions of management and their interplay to achieve organizational goals, and focuses on developing key management skills, including creative problem-solving, efficient time management, and optimal resource utilization. Additionally, the course enhances communication skills across different managerial levels within an organization and promotes successful interactions with external environmental elements.

(2021101), Accounting Principles (I), (Credit Hours 3, N: 3, P: 0), Prerequisite: None, Learning Type: Face to face.

This course aims to introduce students to accounting principles, the accounting system, its fundamental elements, the double-entry system, and operations related to capital, cash transactions, merchandise, accounts receivable, and the preparation of trial balances and financial statements.

(2221101), Principles of Financial Management, (Credit Hours 3, N: 3, P: 0), Prerequisite: None, Learning Type: Face to face.

This course aims to introduce students to the fundamental aspects of financial management and its function within business enterprises. It covers various organizational forms and equips students with skills related to calculating the time value of money, including the present and future value of single payments, equal and mixed payments, perpetuities, and the effective interest rate. Additionally, the course delves into the four main financial statements: the balance sheet, income statement, statement of retained earnings, and cash flow statement. It also emphasizes critical intellectual analysis of a company's financial condition through financial ratio analysis.

(20851101), Basics of Human Resources Management, (Credit Hours 3, N: 3, P: 0), Prerequisite: None, Learning Type: Blended.

This course aims to provide students with a comprehensive understanding of human resource management's role in organizations and its integration with organizational processes. Students will learn about various human resource management functions and their importance in achieving organizational goals. The course covers job description design, classification, and evaluation, along with effective human resource planning and the execution of recruitment, selection, and hiring processes. Additionally, it focuses on management and performance evaluation techniques, and the fundamentals of determining compensation and benefits. Finally, students will gain practical skills in attracting, developing, and retaining human resources, and enhancing job satisfaction through practical applications and case studies.

(22221201), Principles of Economic Sciences, (Credit Hours 3, N: 3, P: 0), Prerequisite: None, Learning Type: Blended.

This course aims to provide students with a comprehensive understanding of the fundamental principles of both microeconomics and macroeconomics. It explores microeconomic basics, including demand and supply theories, their elasticity, consumer behavior, utility theory, as well as production and cost theories, detailing various types of costs. The course also examines different market structures such as perfect competition, total monopoly, and oligopoly. On the macroeconomic front, it covers production possibilities, gross domestic product, aggregate demand and supply, and concepts related to consumption, saving, investment, and economic equilibrium.

(20911111), Principles of Digital Marketing, (Credit Hours 3, N: 3, P: 0), Prerequisite: None, Learning Type: Blended.

The Fundamentals of Digital Marketing course introduces fundamental concepts about the impact of digital transformations on the emergence of electronic markets and the role of the internet in evolving traditional marketing into digital marketing. It covers topics such as online consumer characteristics, market segmentation, and the transformation of the marketing mix, including new approaches to product attributes, pricing, promotion, and distribution. The course also explores digital marketing strategies and techniques for customer service.



(20541101), Basics of Management Information Systems, (Credit Hours 3, N: 3, P: 0), Prerequisite: None, Learning Type: Blended.

This course aims to introduce the fundamental concepts of Management Information Systems (MIS) and their applications in business organizations. It covers the classification, functions, components, and technical infrastructure of MIS, along with their impact on different managerial levels within an organization. The course also explores the significance of managing information systems and their influence on business organizations.

(50531108), Principles of Business Statistics, (Credit Hours 3, N: 3, P: 0), Prerequisite: None, Learning Type: Blended.

This course focuses on helping students learn the basic knowledge and tools of statistics and how to use this knowledge and tools to understand, explain, and solve problems in the natural and human sciences. The topics in statistics that will be covered in this course include: methods of data collection and presentation, measures of central tendency and dispersion, simple linear regression, correlation, probability theory and its applications, random variables, and probability distributions.

(20543102), Enterprise Resources Planning systems(ERP), (Credit Hours 3, N: 3, P: 0), Prerequisite: 20541101, Learning Type: Blended.

This course aims to introduce the basic concepts of Enterprise Resource Planning (ERP). It explores how information systems support, coordinate, and integrate functions across business organizations, encompassing human resources, inventory, sales, purchasing, accounting, finance, customer support, marketing, manufacturing, production, and more. Topics covered include infrastructure, systems integration, ERP planning strategies, appropriate investment strategies for ERP, the lifecycle of ERP systems, cloud computing in ERP, and selecting ERP system vendors and software.

(20514102), Business Intelligence and Analytics, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20512203, Learning Type: Blended.





This course aims to provide a comprehensive and advanced understanding of business intelligence and analytics systems, emphasizing their crucial role in business. It covers business intelligence, analytics, data science, descriptive analytics and data warehousing, business reporting and visual analytics, predictive analytics and data mining, text and web analytics, social media analytics, big data analytics, and emerging trends. Case studies of current systems are used to reinforce the discussed concepts.

(20931103), Electronic Customer Relationships Management, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20911111, Learning Type: Blended.

This course introduces electronic customer relationship management (e-CRM) and discusses different customer types and how to interact with them using digital tools. It includes software that helps customers navigate an online store's features, loyalty programs that assist in customizing service or product requirements, and ensures security and electronic payment methods. The course also explores theoretical concepts of customer relationships and the tools and software used in e-CRM. Topics include utilizing specific tools to track orders and ensure timely delivery and after-sales services, building long-term customer relationships, understanding customer value, and strategies of e-CRM, alongside its relationship with knowledge management.

(20553102), Electronic Business/E, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20541101, Learning Type: Blended.

This course aims to introduce the fundamental concepts of e-business management, its functions, objectives, models, and infrastructure. It explores e-business strategies and e-commerce, studying the role of e-business and e-commerce in transforming industry structures and their impact on business operations, including electronic transactions, supply chains, decision-making, and organizational performance.

(20534101), Contemporary Programming Languages, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20531201, Learning Type: Face to Face.

This course aims to introduce students to an advanced programming language that can be utilized in various job market applications according to evolving demands. The course covers the basic





concepts, rules, distinctive features of the language, and its differences from other languages. Topics include data processing with this language, program compilation, execution, and result storage in designated files, along with the language's capabilities. Practically, students are required to use the selected language to develop applications, exercises, and case studies, and they also have the opportunity to implement a practical project.

(20512103), Knowledge Management Systems, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20541101, Learning Type: Blended.

This course aims to introduce the fundamental scientific and practical concepts of knowledge management and its systems. It covers concepts, models, and approaches, highlighting their importance for modern and future organizations. The course details the processes, stages, mechanisms, and technologies essential to knowledge management. Additionally, it encourages businesses to adopt an organizational culture that fosters the creation and sharing of knowledge, supports its mechanisms, and meets its requirements within a purposeful, integrative, and interactive framework.

50551106 Business Mathematics (3, N:3, P:0, Prerequisite: None, Blended)

This course focuses on the basic tools of mathematics and learning how to use this knowledge and tools to understand, explain, and solve events and problems in the real world of economics and business. Topics in mathematics that will be covered in this course include: equations and functions of different degrees, algebra, matrices and linear programming, logarithms, differential and integral calculus.

(20133203), Operations Research, (Credit Hours 3, N: 3, P: 0), Prerequisite: 50551106, Learning Type: Face to face.

This course aims to deepen students' understanding of operations research fundamentals and their applications in managerial processes. It focuses on developing practical skills for making quantitative, objective managerial decisions. The course involves building competencies necessary for employing analytical mathematical methods in decision-making, including evaluating the effectiveness of mathematical models in various managerial processes. Additionally, it equips students with the tools to apply mathematical theories and concepts to practical scenarios within



a management context, thereby enhancing their ability to analyze problems and devise innovative, effective solutions.

(20531201), Introduction to Programming, (Credit Hours 3, N: 3, P: 0), Prerequisite: none, Learning Type: Face to face.

This course introduces the fundamental concepts of programming languages and their significance in developing systems to solve various administrative problems. It guides students from basic to advanced logical thinking using contemporary programming languages. The course covers the use of keywords, programming syntax, flowcharts, algorithms, input and output statements, conditional and loop statements, and arrays.

(20552202), Networking and Communication Systems for Business, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20541101, Learning Type: Blended.

This course aims to clarify the key concepts and applications of networking and communications for business. It covers topics including network-related hardware, software technologies, standards, protocols, network management, and emerging trends. Additionally, the course focuses on enabling students to integrate various technological components and develop projects that support network systems.

(20512101), Analysis and Design of Information Systems, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20541101, Learning Type: Blended.

This course aims to clarify the key concepts related to the analysis of modern systems and design, oriented towards a practical approach to help students learn methods and principles of system development. It covers the concepts, skills, methodologies, techniques, tools, and essential perspectives for system analysts to successfully develop information systems.

(20512203), Database Management, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20541101, Learning Type: Face to face.



This course aims to introduce students to key contemporary issues in database systems and relational database management systems. It provides knowledge on topics such as table creation, types of constraints, various relationship types, query mechanisms, and database integrity. The course also includes an overview of specific database management software.

(20513106), Applications in Databases, (Credit Hours 3, N: 0 P: 3), Prerequisite: 20512203, Learning Type: Face to face.

This course aims to understand user requirements, analyze current and future data processing needs, and develop an enterprise data model that reflects the organization's core business rules. It covers the development and refinement of a conceptual data model, including entities, relationships, attributes, and business rules, as well as identifying data integrity and security requirements. The course also involves deriving a physical design from the logical design, considering application requirements, hardware, operating system, and data communication networks.

(20542205), Advanced Management Information Systems, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20541101, Learning Type: Blended.

This course provides students with foundational knowledge of the critical role of information technology and strategic planning in maintaining business competitiveness and leveraging opportunities. It focuses on using IT capabilities, such as cloud computing, data analytics, supply chain systems, and customer relationship management, to drive innovation, performance, and profitability in business. Key topics include management information systems, the role of IT applications like cloud computing, big data analytics, and artificial intelligence, as well as supply chain and customer relationship management systems. The course also examines IT's role in enabling rapid responses to dynamic environments, enhancing performance and profitability, the business information value chain, e-commerce models and strategies, and the impact of technological infrastructure on organizational performance.

(20524206), IT Project Management, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20542205, Learning Type: Blended.





This course provides foundational knowledge in IT project management, covering essential aspects such as project integration, scope, time, cost, risk, quality, and human resource management. It teaches students to develop detailed project plans and realistic timelines to achieve project objectives, as well as how to plan, execute, evaluate, and manage technology projects in business and organizational environments.

(20133203) Operations Research (3, (Credit Hours 3, N: 3, P: 0), Prerequisite: Business Mathematics, Face-to-face)

This course aims to deepen students' understanding of the fundamentals of operations research and its applications in administrative processes. It focuses on developing practical skills for managerial decision-making through quantitative inputs, enabling students to analyze administrative scenarios and cases in a quantitative and objective manner. The course includes developing competencies in administrative decision-making processes using mathematical and analytical methods, including evaluating the effectiveness of mathematical models in various administrative operations. Additionally, it provides students with the tools necessary to apply mathematical theories and concepts to practical cases in a management context, enhancing their ability to analyze problems and devise innovative and effective solutions.

(50551106), Business Mathematics, (Credit Hours 3, N: 3, P: 0), Prerequisite: None, Learning Type: Blended.

This course helps students acquire fundamental mathematical knowledge and tools to understand, explain, and solve real-world economic and business problems. Topics include first- and second-degree equations, linear systems with two variables, functions of various degrees, and calculus with applications in economics and business management.

(20543205), Strategic Information Systems, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20541101, Learning Type: Blended.

This course introduces the concept of strategic information systems, including their applications, strategies, and the efficient use of IT resources. It covers analyzing organizational options by identifying opportunities, threats, strengths, and weaknesses. The course provides an integrated



perspective to support the formulation of a comprehensive strategy aimed at achieving organizational goals, as well as analyzing internal and external environments to promote growth and enhance competitive positioning.

(20544206), Field Training, (Credit Hours 3, N: 3, P: 0), Prerequisite: Passing 90 hours, Learning Type: Face to Face.

This course provides a practical environment for students to apply the skills and competency gained in Management Information Systems. Students will work for a specified period at a company, factory, or governmental or private organization, with departmental approval and under faculty supervision. The student's performance will be monitored and evaluated by the host organization and assessed by the academic supervisor.

(20544205), Graduation Project, (Credit Hours 3, N: 3, P: 0), Prerequisite: Passing 90 hours, Learning Type: Face to Face.

This course aims to enhance students' research skills by providing foundational research concepts and guiding them through the stages of preparing and conducting scientific research. Students are expected to design and carry out research addressing a theoretical or applied problem in the field of Management Information Systems.

(20542101), Electronic Supply Chain Management, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20541101, Learning Type: Blended.

This course focuses on concepts in electronic supply chain management, including material flow, supply cost patterns, aligning supply with demand, purchasing management, specification setting, supplier selection, and support tools in supply chain management. Students will also develop skills in material requirements planning and inventory evaluation.

(20132107), Scientific Research Methods, (Credit Hours 3, N: 3, P: 0), Prerequisite: none, Learning Type: Blended.

This course focuses on the principles of the scientific method in research, starting with an introduction to the concept of scientific research, an overview of research methodologies, and





the steps of the scientific method, including problem definition, hypothesis formulation, theoretical framework development, and literature review. It also covers research design, data collection tools, and sample selection. Additionally, the course addresses conducting statistical analysis on collected data and deriving results.

(20553104), Website Design, (Credit Hours 3, NO:, P3:), Prerequisite: none, Learning Type: Face to Face.

This course introduces the concept of website design and its infrastructure, focusing on using HTML to develop and build websites. It also familiarizes students with the latest software and technologies in web development. Students will have the opportunity to create their own website using various online tools and services, including reserving web server space, registering a domain name, and using FTP to transfer files to the site.

(20514108), Special Topics in Information Systems /E, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20542205, Learning Type: Blended.

This course provides an in-depth study of current topics in Management Information Systems. It covers a range of issues affecting the field, including technology, innovation, economics, globalization, law, and ethics, giving students a comprehensive understanding of contemporary challenges. The course encourages discussion and critical thinking about these issues and approaches to addressing them.

(20553205), Marketing Information Systems, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20541101, Learning Type: Blended.

This course covers the fundamental principles of marketing information systems, including their applications, strategies, and role in product and service distribution to customers. Topics include core concepts in marketing information systems, system analysis and design, the use of information technology for gathering marketing data, the design and development of intelligent marketing and communication systems, and an overview of key marketing software packages. Students will analyze and study case examples of marketing information systems in large organizations.

(20111206), Administrative Communication Skills, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20111101, Learning Type: Blended.

This course aims to deepen students' understanding of administrative communication skills and their critical role in achieving success within business organizations. It focuses on essential communication skills, outlining steps for effective communication, and establishing the foundations of successful business correspondence. The course develops skills in writing business letters, internal memos, and reports professionally and effectively. It also covers applying interview and negotiation skills and managing meetings to enhance effective communication and productive engagement in the workplace. Additionally, the course develops students' abilities to organize and manage meetings and interviews efficiently, emphasizing effective communication skills to achieve organizational and business goals.

(20113108), Business Entrepreneurship, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20111101, Learning Type: Blended.

This course introduces students to the concept of entrepreneurship and its importance in establishing business ventures, particularly small businesses. It covers the fundamentals, characteristics, requirements, and core activities of entrepreneurship, as well as the key traits and skills of entrepreneurs. The course also addresses the foundations for launching entrepreneurial ventures and the main challenges that limit their success. Emphasis is placed on equipping students with the skills needed to transform entrepreneurial ideas into real projects and building their abilities to develop business, financial, marketing, and operational plans. Additionally, the course provides a detailed overview of small businesses, their operating techniques, and their role as a developmental foundation for medium- and large-scale enterprises, along with their contribution to the economy overall.

(20552101), Multimedia Systems, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20541101, Learning Type: Blended.

This course introduces students to the fundamentals of multimedia design and development, equipping them with skills to create engaging, interactive digital content. It covers multimedia



concepts, software tools for designing and editing audio, video, images, and animations, and techniques for integrating these elements into cohesive, interactive applications.

(20552104), Computer Ethics, (Credit Hours 3, N: 3, P: 0), Prerequisite: none, Learning Type: Blended.

This course provides a comprehensive understanding of ethical issues related to the responsible use of computers and software. It aims to develop awareness and skills in ethical decision-making through analytical methods. Topics covered include information privacy and security, intellectual property, fraud, and the lawful use of computers. The course presents ethical theories and applies them to various information technology issues within business organizations, equipping students with the skills to address ethical dilemmas and support the ethical standards of society.

(20132206), Total Quality Management, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20111101, Learning Type: Blended.

This course deepens students' understanding of core concepts and theories in quality and total quality management, emphasizing their role in achieving competitive advantage. It explores the evolution of total quality management and highlights the contributions of early pioneers in the field. The course focuses on developing skills to analyze current organizational processes, identify improvement opportunities, and apply quality principles to enhance operational efficiency and effectiveness. It includes designing and implementing quality management plans in real-world contexts, emphasizing the strategic impact of these improvements on cost reduction, organizational performance, and market success.

(20522101), Technology Change Management, (Credit Hours 3, N: 3, P: 0), Prerequisite: 20541101, Learning Type: Blended.

This course provides students with a comprehensive understanding of technological change management, focusing on the concept and importance of organizational change, along with effective change management models and steps. Students will also learn about crisis management, gaining skills to adapt to changing work conditions and respond positively to organizational shifts. The course emphasizes the importance of managing crises professionally and working under pressure, while also developing the competencies needed for effective





participation in change management, implementing crisis management plans, and responding swiftly to emergencies.

(20652102), Commercial Legislation, (Credit Hours 3, N: 3, P: 0), Prerequisite: none, Learning Type: Blended.

This course examines the concept of commercial law and its sources, covering topics such as commercial transactions, merchants, stores, commercial contracts, negotiable instruments, insolvency, banking operations, and legal regulations for companies and electronic commerce.

(20133211), Applications of Artificial Intelligence in Business (Credit Hours 3, N: 0, P: 3, Prerequisite: None, Face to Face.

This course provides students with foundational and advanced knowledge of artificial intelligence (AI), including machine learning, big data analytics, and intelligent systems, with a strong focus on practical business applications. Key areas include supply chain management, human resource management, digital marketing, and management information systems. Students will develop skills in business data analysis, problem formulation suitable for AI techniques, and using modern digital tools to build and evaluate intelligent models. The course fosters innovation, teamwork across disciplines, and ethical responsibility in applying AI, ensuring transparency, privacy, and good governance in business environments.

(20513205), Cybersecurity in Business, (Credit Hours 3, T: 2, B: 1 and accomplished 2 practical hours), Prerequisite: Information Systems Fundamentals, Learning Type: Face-to-face.

This course focuses on understanding the fundamental principles of cybersecurity and their applications in the modern business environment. It aims to provide students with the knowledge and skills necessary to protect information and digital systems from cyber threats. It also focuses on the security challenges facing businesses. The course includes an introduction to cybersecurity and its basic concepts, types of cyber threats and common attacks, security policies and procedures in organizations, cyber risk management and vulnerability analysis, compliance with standards and regulations (such as GDPR, ISO 27001), network security and digital infrastructure, and the role of employees in promoting cybersecurity and a culture of security awareness.





(20514103), Business Intelligence and Data Analysis, (3 credit hours, T: 2, B: 1 and Accomplished 2 practical hours), Prerequisite: Information Systems Fundamentals, Learning Type: Face-to-face.

This course aims to provide students with the knowledge and skills necessary to use data intelligence and analysis tools and techniques to support decision-making in the business environment. It focuses on the concept of business intelligence and its role in improving organizational performance. Using data analysis tools to extract actionable insights, designing interactive dashboards and analytical reports, and applying data mining techniques, predictive modeling, and linking analysis to strategy and decision-making.