

School	School of Business
Major	Management Information Systems

Core Requirements			
Code	Title	Credits	Description
BMGT210	Introduction to the World of Business	3	The purpose behind this course is to introduce Business students to the variant scopes of Business applications. Students will grasp basic Business terms and assimilate Business theories. To make the fundamentals of business understandable, functional, and relevant to students with little or no business background, topics will include discussions of the Modern Business World, Business Management, Employee Behavior and Motivation, Principles of Marketing, Managing Information Technology, Accounting Information, and Managing Finances. Those topics will interrelate with most pressing contemporary issues of global competitiveness, ethical standards, and technology. Students who take this course get their expectations ahead to enter the world of the business well aware of the challenges, responsibilities, and what can give them the competitive edge.
BMTH210	Business and Managerial Math	3	This course is designed to provide students with basic math skills useful in solving economics and business real-life problems. In this course, students learn to calculate the slope of a linear function, graph and solve non-linear functions, calculate arithmetic and geometric sequences and series, perform several operations including differentiation, partial derivatives, integration, and solve differential equations and matrices.
BSTA205	Introduction to Business Statistics	3	This course is designed to provide students with an introductory survey of many applications of descriptive statistics. In this course, students are expected to classify and graphically present data among different measurement levels. They are also expected to calculate measures of location and dispersion, understand the basic probability concepts, and examine discrete and continuous probability distributions.
BMKT300	Marketing Theory and Principles	3	The course introduces the concepts and principles of marketing, including the marketing of service and nonprofit organizations. Topics cover the marketing concepts, including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution, and internal marketing to employees. Practical case studies and research work constitute an integral part of the learning methodology.

BMIS300	Management Information Systems	3	The course provides an overview of management information systems (MIS) within a business context with emphasis on end-user computing. It covers MIS theory and practice as they relate to management and organization theories; current trends in MIS; managerial usage of information systems; computer hardware, software, and telecommunications; information systems for marketing, finance, accounting, and other business areas; systems development process; and the role of microcomputers. It also provides experiential learning by exposure to various decision-support tools for microcomputers.
BMGT380	Business Ethics	3	The course focuses on the relationship of business ethics and social responsibility in both domestic and global settings. It explores the ethical and moral considerations of corporate conduct, social responsibilities, policies, and strategies, and emphasizes on the definition, scope, application, and analysis of ethical values as they relate to issues of public consequence in both the domestic and global environments. Special attention is given to moral problems such as the ethics of hiring and firing, bribery, and professional responsibility to society.
BMGT315	Human Resource Management	3	The course examines the role of the human resource manager in both public and private sector organizations. Topics include personnel planning, selection, appraisal, training and development, compensation, and international aspects. The course is rich with practical case studies, and complemented with research assignments in the field of human resource management.
BMGT200	Introduction to Business Management	3	The course focuses on how organizations operate in an era of rapid change, and the factors which determine how managers can operate effectively. Topics include the management function; the genesis of modern management; the development of management theory; the context in which managers operate; and managing organizations. The course integrates classical and modern concepts with a rich collection of contemporary real-world examples and cases. The course covers six major themes that guide the progress through the fascinating world of management, namely: Change, Skill development, Global economy, the Internet revolution, Diversity, and Ethics.
BFIN300	Business Finance	3	The course focuses on the principles of finance and their application in business corporations, with the main objective of maximizing shareholders' wealth. Topics include discounted cash flow analysis, the various uses of funds, valuation models, management of working capital, cost of capital, capital budgeting, long term financing and dividend policy.

BECO260	Introduction to Macroeconomics	3	This course is designed to provide students with the foundations for understanding key economic indicators influencing the behavior of the economy as a whole. In this course students learn to calculate the nation's output (GDP), the unemployment rate and the price level, understand the Classical and the Keynesian models and analyze the effects of fiscal and monetary policies.
BECO210	Introduction to Microeconomics	3	This course is designed to introduce students to the basic methods and techniques that allow the micro units to make a proper choice, given scarcity. In this course, students are expected to learn how to calculate opportunity costs, determine comparative advantage, understand the theory of demand and supply, calculate equilibrium price and quantity, relate elasticity to total revenue, decide on the bundle of goods that maximizes consumer's total utility, determine several costs and differentiate between two extreme markets: perfect competition and monopoly.
BACC260	Principles of Accounting II	3	The course covers the concepts and issues associated with the accounting and the management of business. Particular emphasis is given to understanding the role of accounting in product cost behavior analysis and cost control procedures, financial accounting decisions, and performance evaluation and control of human behavior.
BACC210	Principles of Accounting I	3	The course introduces students to the financial accounting environment, financial statements, the accounting cycle, and the theoretical framework of accounting measurement. It also covers the elements of financial statements, emphasizing mechanics, measurement theory, and the economic environment.

Major Requirements			
Code	Title	Credits	Description
BMIS480	Knowledge Management	3	People change the world; books pave the way. The primary objective of this course is to acquire familiarity with today's knowledge organization and knowledge workers. The focus is on knowledge sharing and how today's business uses knowledge for competitive advantage. More specifically, the course is about how to capture knowledge, how to share it, how to transfer it, and how to manage it. Logic and reasoning are heavily emphasized.
BMIS360	Operations Management	3	It has been demonstrated by leading firms that operations management can be an effective weapon to penetrate into the global market. The course topics include inventory management, aggregate planning, material requirement planning, master production schedule, and scheduling and managing complex projects.
CSCI250	Introduction to Programming	3	This course introduces the basic concepts and principles of structured programming in Java. It starts by an introduction to Java showing its syntax and the structure of a program in Java then teaches simple data types, control structures, methods, arrays, and strings.

BMIS497	Business Intelligence Systems	3	<p>Organizations rely on computer-based information systems for capturing, analyzing, and distributing the information required to develop, implement, and evaluate corporate strategies in all functional areas. Managing data as a corporate resource requires a deep understanding of business processes and of the underlying structure of the data needed to support them. Business Intelligence is a set of methodologies, processes, architectures, and technologies that transform raw data into meaningful and useful information used to enable more effective strategic, tactical, and operational insights and decision-making. When using this definition, business intelligence also includes technologies such as data integration, data quality, data warehousing, master data management, text and content analytics, and many others that the market sometimes lumps into the Information Management segment. That is, we refer to data preparation and data usage as two separate, but closely linked segments of the business intelligence architectural stack. Business intelligence refers to the process of capturing and storing needed data in a data warehouse and utilizing appropriate tools that enable that data to be transformed into useful information to support managerial decision-making. The focus of this course is on concepts central to the management of data resources and the development of business intelligence capabilities. There is a mixture of theoretical and practical topics including case studies and a of significant hands-on component. No prior knowledge of database or business intelligence technologies is assumed.</p>
BMIS400	E-Business	3	<p>This course provides an overview of e-commerce from both technological and managerial perspectives. It introduces e-commerce frameworks, and technological foundations; and examines basic concepts such as strategic formulation for e-commerce enterprises, management of their capital structures and public policy. This course is designed to familiarize students with current and emerging electronic commerce technologies using the Internet. Topics include Internet technology for business advantage, managing electronic commerce funds transfer, reinventing the future of business through electronic commerce, business opportunities in electronic commerce, electronic commerce Web site design, and social, political and ethical issues associated with electronic commerce, and business plans for technology ventures.</p>

BMIS370	System Analysis and Design	3	The course focuses on the analysis of an organization and the subsequent design of computer systems to meet business requirements being the heart of the computer information systems (CIS) field. This course covers the phases from information systems planning through the specification of structured system requirements in functional form (i.e., logical system design) and concentrates on methods, techniques, and tools used to determine information requirements and to document these requirements in a thorough and unambiguous form. It also introduces computer-aided software engineering (CASE) technology. Students learn the discipline of systems analysis and logical design through a hypothetical case situation.
BMIS355	Quantitative Methods of Business Decisions	3	The course surveys the philosophy, techniques, and applications of operations research to managerial decision making. It is designed primarily for students not majoring in management science or statistics. Techniques covered include linear programming, transportation and assignment models, Markov processes, inventory and queuing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management.
BMIS320	Data Management	3	The course is designed to improve students' understanding, and develop their skills, in the design and implementation of business databases using modern database management systems. It covers data structures and the conceptual, logical, and physical design of databases, as well as database implementation and general issues in business data management.
BMIS310	Business Telecommunications	3	The course introduces students to a wide range of telecommunications technologies, including local area networks, wide area networks and the Internet, as well as to the uses of these technologies in the organization. Topics include the benefits, costs, and risks of using computer networks, network design issues, and special considerations for network applications. The course requires routine use of campus network and software to aid in network design and evaluation. Simulation and optimization are used as tools for network design and evaluation.

BMIS320L	Data Management Lab	1	<p>This course introduces fundamentals of data management. It starts by motivating the need of the database approach in real life scenarios and the benefit of adopting a Database Management System (DBMS). This course includes data modeling (based on the entity relationship model), data normalization and data manipulation SQL queries. Students will learn how to design, implement and query a relational database by using a Microsoft SQL Server DBMS or Microsoft Access.</p>
CSCI250L	Introduction to Programming Lab	1	<p>This course is a co-requisite for the Introduction to Programming course (CSCI250). The students apply in the lab the fundamentals of programming, explained in CSCI250, by solving lab exercises. The objective of the lab is to implement programming problems using basic data types, selection and repetition structures, methods and arrays.</p>
BMIS497L	Business Intelligence Systems Lab	1	<p>The objective of the course is to provide students with the opportunity of applying business intelligence within the laboratory or industry sector. Students will apply the architectural knowledge acquired in the business intelligence systems and analytics course in the areas of data warehousing, data mining, text mining, and/or web mining. Open source and commercial BI tools will be examined within the curricular.</p>

General Education Requirements			
Code	Title	Credits	Description
ENGL251	Communication Skills	3	The objectives of this course are to improve students' writing skills for academic purposes by developing effective use of grammatical structures; analytical and critical reading skills; a sensitivity to rhetorical situation, style, and level of diction in academic reading and writing; and competence in using various methods of organization used in formal writing.
ENGL201	Composition and Research Skills	3	This course focuses on the development of writing skills appropriate to specific academic and professional purposes; the analysis and practice of various methods of organization and rhetorical patterns used in formal expository and persuasive writing; the refinement of critical reading strategies and library research techniques; and the completion of an academically acceptable library research paper. Prerequisites: ENGL150, ENGL151.
CULT200	Introduction to Arab - Islamic Civilization	3	The purpose of this course is to acquaint students with the history and achievements of the Islamic civilization. Themes will include patterns of the political and spiritual leadership; cultural, artistic, and intellectual accomplishments Prerequisites: ENGL051, ENGL101, ENGL151.
CSCI200	Introduction to Computers	3	The course aims at making students competent in computer-related skills. It is supposed to develop basic computer knowledge by providing an overview of the computer hardware and basic components as well as hands-on practice on common software applications such as Word, Excel, Power Point, Internet and Email. The student will learn how to use the new features of Microsoft Office 2010 mainly Word documents, Excel spreadsheets and PowerPoint presentations. On the surface, MS Office 2010 looks a lot different than previous versions (no more menus or toolbars!), but by learning to understand the dramatically changed, Ribbon-based interface, you'll quickly get back on the road to productivity.
ARAB200	Arabic Language and Literature	3	This course is a comprehensive review of Arabic Grammar, Syntax, major literature and poetry styles, formal and business letters.