

Major in Management Information Systems

► General Introduction

The major of Management Information Systems aims to cultivate ethical and creative management information experts who will lead the knowledge-based society of the future through the acquirement of knowledge on information processing and communication technology that is required for the management of all kinds of organizations including companies, government organizations and non-profit organizations and knowledge on metrical analyses for management decision-making.

► Education Objectives

- It is aimed at cultivating experts on information technology such as hardwares, softwares, database and communication technology for information system construction.
- It is aimed at cultivating talented students who can understand the significance of information technology in the management of companies and organizations and who can contribute to reengineering and organization goal achievement using information technology.
- It is aimed at cultivating intellectuals who can play a significant role in companies, public institutions and non-profit organizations in the knowledge-based information society.

► Course Descriptions

Category	Semester	Years	Code	Courses	Credit	Hours		Note
						theory	practice	
Basic Courses	1	Freshmen	01571	Principles of Business Administration	3	3		double major
			01575	Managerial Data Processing	3	3		
Basic Courses	2	Freshmen	02943	Fundamentals of Finance and Economics	3	3		
			01644	Marketing Management	3	3		double major
Required Courses	1	sophomore	01696	Introduction to Management Information Systems	3	3		double major
			01605	Programming Language (1)	3	3		double major
Elective courses	1	sophomore	02710	Statistical Analysis for Business Administration	3	3		
			02951	Website Planning & Implementation	3	3		double major
			01600	Introduction to Computer Networking	3	3		
			02947	Seminar for Certification (I)	3	3		
			02156	Introduction to Computer Science	3	3		
Required Courses	2	sophomore	01626	Business Organization Theory	3	3		
			02709	Principles of Accounting	3	3		
Elective courses	2	sophomore	01670	Web Programming	3	3		
			01624	Introduction to Management Science	3	3		

			01606	Data Communication and Network	3	3		
			01938	Digital Economics	3	3		
			02952	Establishment and Marketing of Internet Shopping Mall Business	3	3		
			01582	Physical Distribution Management	3	3		
Required Courses	1	Juniors	01681	Fundamentals of Financial Management	3	3		
			01657	Production and Operations Management	3	3		double major
Elective Courses	1	Juniors	01603	Database System	3	3		double major
			03149	Business English(I)	3	3		
			02157	Design of Multimedia Contents and Practice	3	3		
			02944	Organizational Behavior	3	3		
			02945	Special Lecture on Leadership	3	3		
			02949	Seminar for Certification (II)	3	3		
			02163	Manufacturing Information System	3	3		
Elective courses	2	Juniors	01613	Internet Marketing	3	3		
			02162	The Construction of e-Commerce System	3	3		
			02746	Business Analysis and Strategy	3	3		
			01661	System Analysis and Design	3	3		
			01608	Programming Language (11)	3	3		
			03150	Business English(II)	3	3		
			01943	Supply-Chain Management	3	3		
			02953	Construction and Management of Shopping Mall	3	3		
Elective courses	1	Seniors	01948	Customer Relationship Management	3	3		
			01614	Accounting Information Systems	3	3		
			02160	Enterprise Resource Planning System	3	3		
			01678	Internet Business	3	3		
			02166	Information Technology & Reengineering	3	3		
			02165	eXtended Markup Language	3	3		
Elective courses	2	Seniors	02167	MIS Seminar	3	3		
			03151	Business Presentation	3	3		
			01622	MIS Case Study	3	3		
			01683	Studies in Special Topics and Internship	3	3		

▶ **01571 Principles of Business Administration**

As a basic subject to learn business administration, it aims to understand basic company problems and general management knowledge. Therefore, it focuses on basic company knowledge as basics to the major of management information systems such as company organization, CEO's leadership, companies' legal and cultural environment and business foundation process.

▶ **01575 Managerial Data Processing**

Many softwares have been developed for office automation. These softwares are essential to office work. It aims to learn how to use various softwares such as word processors, spreadsheets, database and presentation tools.

▶ **02943 Fundamentals of Finance and Economics**

The goal of this subject is to obtain a broad understanding of the various situations of the economy that occur in our daily life, for students to understand the principle of behavior of companies and consumers in the market, and to learn theories about the market equilibrium according to the types of the market, market failure, and economy policy as a microscopic part. And also, they can gain the knowledge and insight that are necessary to diagnose and prescribe the flow of the general part of the national economy by studying distinctive facets like the national income, business fluctuations, price, an employment rate, interest rate, employment, the exchange rate, and the balance of international payments. They will also learn about the principle of supply and demand and the fundamental feature of financial market separately.

▶ **01644 Marketing Management**

Based on the essence of modern marketing and customer satisfaction from a viewpoint of company management, it aims to acquire strategic knowledge on 4P, the basic means of marketing such as product, price, promotion and place. Furthermore, it aims to acquire knowledge on expanded marketing such as Internet marketing, international marketing, non-profit marketing and service marketing.

▶ **01696 Introduction to Management Information Systems**

It aims to research problems related to management information systems such as their structure, management, development and assessment to process information created inside and outside the organization and to understand information systems providing its members with information for decision-making.

▶ **01605 Programming Language (1)**

Among programming languages for information system construction, it focuses on the understanding of the grammar and structure of C++ program language and the learning of its every element. In addition, it enables students to have an ability of easily constructing and debugging programs by teaching how to construct a synthetic Visual C++ development environment and how to use the tools.

▶ **02710 Statistical Analysis for Business Administration**

It aims to learn the basic concept and application method of business statistical techniques that systematically collect, analyze, interpret and predict data for rational business decision-making. It suggests practical statistical cases applied to business and basic statistical knowledge such as statistical recognition, meaning of statistics, application method of statistics, probability and distribution, population and sample, and hypothesis test. Statistical softwares like Excel, SAS, SPSS and Minitab are used.

▶ **02951 Website Planning and Implementation**

Through this subject, students study the process of website planning and making operation strategy. And they also develop the structure and functions of the website, design the site, and define applications that are necessary and study about the way of gathering content and operation.

▶ **01600 Introduction to Computer Networking**

The goal of this subject is to learn the knowledge and theories of technology like protocol, telecommunication media, network modes, and transmission forms.

▶ **02947 Seminar for Certification I**

The goal of this subject is to improve the understanding of how to obtain the certification of a distribution manager. In order to do this, students will study about distribution logistics management, analysis of commercial area, distribution marketing, and distribution information.

▶ **02156 Introduction to Computer Science**

It aims to learn basic concepts about information system components such as hardware, software and database. It also enables students to practice simple homepage construction using HTML.

▶ **01626 Business Organization Theory**

In modern society, organizations have a big effect on every social field such as individual life, politics, society, culture, economy and business, and the efficient design and management of organizations is important to improve the competitiveness of organization members and the whole society. Therefore, this subject aims to acquire basic concepts such as the definition and characteristics of organization, and knowledge on the roles of companies in this pluralistic society such as organization goals, effectiveness, system theories, contingency theories and organization management.

▶ **02709 Principles of Accounting**

Provides students with a basic understanding of the role of accounting information in business. Focuses on business operating processes throughout the management planning, performing and evaluating cycles. Provide insights on how businesses operate, and enable students to become familiar with the conventions used by businesses to report to those who need to know more about the business.

▶ **01670 Web Programming**

The goal of this subject is to study basic programming languages that are essential to make online shopping malls by learning the languages that support web site development.

▶ **01624 Introduction to Management Science**

It aims to conduct a research to metrically examine, analyze and assess management activities given to solve complicated management problems from a linear and a non-linear viewpoints. The main objects of the research are linear programming, transportation problems, the game theory and network models.

▶ **01606 Data Communication and Network**

It enables students to learn how to search problems and solve them through network configuration, installation, designing, operational technique analysis ranging from LAN to the Internet based on clients and

servers.

▶ **01938 Digital Economics**

It aims to understand micro economics theories related to business applications for the understanding of new economic structures and trends in the information era.

▶ **02952 Establishment and Marketing of Internet Shopping Mall Business**

It is essential for managers to understand the process of acquiring a business idea, setting a goal, opening a business, and doing marketing. In this sense, the goal of this subject is to obtain knowledge about the opening of a business, the basic skills of marketing, creating internet business models, analyzing the internet marketing environment, developing internet marketing strategy, and deciding internet marketing mix.

▶ **01582 Physical Distribution Management**

Physical distribution are important flow control activities in the logistics management function. Students will gain fundamental training on the working practices, principles and procedure of effective distribution and warehouse management as it relates to their function. This course includes inventory as working capital, functions of warehousing, storage of materials, maintaining inventory accuracy, warehouse safety.

▶ **01681 Fundamentals of Financial Management**

It enables students to acquire theories and analysis techniques required for the understanding of companies' financial activities as a whole. In particular, it includes time value, basic risk concepts, financial analysis, financial forecasting, control of companies' decision making, capital raising, scientific management of operational capital, lease finance and business state investigation under a uncertainty environment.

▶ **01657 Production and Operations Management**

It aims to acquire knowledge to maximize and manage a company's production capability through the process of modelizing production process and analyzing it metrically for the analysis of optimum resources distribution in connection with company goals. It deals with production decision-making, manufacture process design, factory location, production plans and stock management.

▶ **01603 Database System**

It aims to learn database related to language, which recently emerges as one of key resources in companies, including theories and inquiries about database concepts, design methodology and construction process.

▶ **03149 Business English (I)**

It is very important for workers to improve english ability for enhancing working ability in processing the international information using internet. In order to accomplish this, students will study grammar and reading about business area.

▶ **02157 Design of Multimedia Contents and Practice**

With the growing sensitive functions in consideration of contents structure, visual and hearing sensations, the necessity of Web page production including sounds, photos and video images is increasing. Accordingly, this subject aims to learn how to realize this by using various softwares like Flash.

▶ **02944 Organizational Behavior**

One fundamental part of business administration is a mathematical approach based on statistics, the other is organizational behavior that is newly consisted of psychology, sociology, and cultural anthropology. The goal of this subject is to obtain a new perspective about the Taylorism and human relation theory, hold the concept of real organization, and study personal identification and motivation of behavior.

▶ **02945 Special Lecture on Leadership**

The goal of this subject is to do leadership study for students in order to be good a leader in the society after they graduated from this university.

▶ **02949 Seminar for Certification II**

The goal of this subject is to improve understanding about the certification of a logistic manager by the orientation and lecture about the certification test of it. In order to do this students study logistic management, theory of goods transportation, theory of custody and stevedoring, and laws that are related to logistics.

▶ **02163 Manufacturing Information System**

It aims to study the configuration and realization method of manufacturing information systems such as CAM, CAD, CIM, FMS and JIT to support management activities from the raw material stage and manufacturing process stage to delivering stage for sales.

▶ **01613 Internet Marketing**

Customers on the Internet have different desires compared to offline ones. They want to receive services beyond space and time. In this environment, it is important to understand how to make use of marketing theories. Accordingly, this subject aims to acquire knowledge on the concept of Internet marketing, market analysis for Internet marketing strategy establishment and the decision of marketing mix for Internet marketing strategy development and its execution.

▶ **02162 The Construction of e-Commerce System**

It enables students to construct e-commerce systems by establishing realizable e-commerce models, by constructing Web sites through web programming and by connecting them with database.

▶ **02746 Business Analysis and Strategy**

It aims to examine the merits and demerits of business state and activities by systematically analyzing them, and research strategic decision-making methods focusing on practical cases to analyze and improve problems generated as a result of the analysis.

▶ **01661 System Analysis and Design**

It compares, analyzes and researches various procedures and approaches about large-scale information system development, general system planning, analysis, designing, coding, testing and operation.

▶ **01608 Programming Language (11)**

Among programming languages required for information system construction, it aims to learn how to make use of the grammar and structure of the Visual Basic language.

▶ **03150 Business English (II)**

This is more advanced course for students who want to study business english based on the Business English (I). In this subject, students will learn english books and articles about business, and finally obtain the ability of international working.

▶ **01943 Supply-Chain Management**

A supply chain means a series of process to secure material resources, produce goods and services, and keep and deliver them. This subject aims to understand, design and make use of the concept of the supply chain.

▶ **02953 Construction and Management of Shopping Mall**

The goal of this subject is to get the knowledge of practical parts to make a business by making a website, connecting database, building a electronic system, and developing a realistic item.

▶ **01948 Customer Relationship Management**

Internet technology makes it easy to manage customers. This subject aims to investigate how to understand business, secure customers and make them as loyal customers from a customer's point of view, and how to construct and operate e-business systems.

▶ **01614 Accounting Information Systems**

It aims to learn the construction methodology of accounting information systems that are constructed to provide various accounting information created in the process of business activities with people of interest at the right time, along with the change in accounting systems according to such computerization.

▶ **02160 Enterprise Resource Planning System**

Based on information technology, it enables students to study ERP system configuration and realization methods that coordinate and synthesize all business functions such as sales, production, purchasing, accounting and personnel affairs.

▶ **01678 Internet Business**

In this subject, students will define the characters, types, difference with the business in physical place and cyber space and study business strategy using internet. Furthermore, they will study how they can use internet business in the

▶ **02166 Information Technology & Reengineering**

For companies, reengineering is considered to be an essential measure to secure competitiveness in the rapidly changing business environment. Information technology should be assured to improve the efficiency of working process through reengineering. This subject aims to learn the role of information technology in reengineering.

▶ **02165 XML(eXtended Markup Language)**

It aims to learn an application construction method using Extended Markup Language which is one of the most widely discussed and used Web technologies.

▶ **02167 MIS Seminar**

With the rapid development of information technology, new information systems for company management support are appearing everyday. In line with this situation, it aims to study new management information systems through seminars.

▶ **03151 Business Presentation**

These days, many companies ask students to obtain the ability of arranging and presenting their ideas well. In order to meet this goal, students will study the ways of analyzing, arranging, and presenting and also obtain the ability to adapt to practical area.

▶ **01622 MIS Case Study**

The rapidly developing information technology has a big effect on companies' working process and business strategy. It aims to research the effect of business information techniques on companies and their strategic application methods through practical company cases.

▶ **01683 Studies in Special Topics and Internship**

It is a process of applying theories and practical knowledge into working places. This subject aims to minimize the gap between theories and practices and acquire basic knowledge and information required while working in companies after graduation. That is, it enables students to experience practical knowledge required in actual working places related to personnel affairs, organization, marketing, production, finance and accounting.