

VII School of Business Administration

Sam Gould, Dean

John E. Rapp, Associate Dean

Henry H. Stick, Associate Dean, Director of Graduate Program

Donald J. Hebler, S.M., Administrative Assistant

The mission of the School of Business Administration is to provide undergraduate students with an excellent business education in response to the needs of contemporary society. The student is challenged to attain an appreciation for the liberal arts, state-of-the-art competence in the business disciplines, a sensitivity to moral and ethical behavior, and a desire and ability to assume significant leadership and decision-making roles in the business and professional community.

The School strives to be one of the outstanding private business schools in the midwest and one of the finest Catholic business schools in the country. In pursuing this goal, it promotes excellence in teaching through setting high standards of scholarship for both students and faculty. The School operates within the Catholic Marianist tradition, providing education for development of the complete person: intellectual, physical, and spiritual. It expects its students to acquire a moral and ethical perspective consistent with Christian principles. It prepares its students for leadership within the business and professional community.

The School strives to recruit and retain an outstanding faculty and has the expectation that its faculty will engage in excellent teaching, scholarship, and service. Finally, the School strives to be a constructive and responsible servant and critic of the community in which it operates. It encourages its faculty and students to become involved in projects of community service and to bring their expertise to bear on community problems and issues.

ADMISSION TO THE SCHOOL OF BUSINESS ADMINISTRATION

The minimum requirements for admission to the School of Business Administration are the following:

1. Graduation from an accredited high school

2. The following units of college preparatory subjects:

English	4 units
Mathematics (Algebra I & II, Geometry)	3 units
Natural Science with a Laboratory	1 unit
Social Science	2 units

3. While students in the upper half of the graduating class are preferred, consideration also will be given to other students whose scores on the Scholastic Aptitude Test of the College Entrance Examination Board (SAT) or the American College Testing Examinations (ACT) indicate they are capable of completing the baccalaureate program of the School of Business Administration.

4. Any person whose native language is not English must submit an acceptable score in the Test of English as a Foreign Language (TOEFL). Exceptions to this policy may be made for students whose education has been in schools where English is the principal language of instruction.

TRANSFER STUDENTS

Candidates for admission from other accredited colleges or universities must ordinarily be in good academic standing in the colleges or universities from which they are transferring and must have a cumulative average of 2.5 (on a scale of 4.0) or better. They must also meet the admission requirements as set by the Faculty of the School of Business Administration. Students planning to attend a two-year college before transferring to the School of Business Administration are encouraged to follow an arts and sciences or pre-business program rather than a technical terminal program. (See also Chapter III.)

RETURNING STUDENTS

A qualified student who returns to the School of Business Administration after an absence of one calendar year or longer may be readmitted to the School of Business Administration according to the University of Dayton requirements which are applied to transfer students from other universities and colleges. (See Chapter III.) These students will be required to satisfy the program requirements which are current at the time of their readmission to the School of Business Administration. Part-time students (those who carry fewer than 12 semester hours) who are readmitted after an absence of two or more years will be required to satisfy the program requirements which are current at the time of readmission to the School of Business Administration.

REQUIREMENTS FOR THE BACCALAUREATE DEGREE

The School of Business Administration programs lead to the degree of Bachelor of Science in Business Administration upon satisfactory completion of the following requirements:

1. The candidate must complete successfully the first- and second-year business administration program, which is designed to give a wide and liberal education for a broader comprehension of the fields of business administration and economics. All students in the School of Business Administration must complete a common block of courses known as the SBA core.
2. The candidate must earn a cumulative grade point average of at least 2.0 in the total semester hours required for the degree and in the major.
3. Each candidate must complete at least 54 upper-level semester hours, with a minimum of 36 semester hours in 300-400-level courses in the School of Business Administration, of which 18 semester hours or more must be in one of the academic majors.
4. Candidates majoring in economics, finance, management, or marketing must complete a minimum of 121 semester hours. A major in accounting requires 124 semester hours, and a major in management information systems requires 127 semester hours.
5. The candidate's final 30 semester hours must be earned in residence at the University of Dayton.
6. The candidate has the responsibility of meeting degree requirements in business administration. Therefore, the student should be thoroughly familiar with the course requirements and should keep a record of courses completed and semester hours applicable to degree requirements.

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GRADING OPTION

All students in the School of Business Administration must register under Grade Option 1 for courses in any department of the School of Business Administration. Other courses that must be taken under Option 1 are MTH 110, 111, 192, 193; PHL 313; REL 368; and the 3-semester-hour communication requirement.

FIRST- AND SECOND-YEAR SBA PROGRAM

The program below is to be followed by students who will major in accounting, economics, finance, management, or marketing. Students planning to major in management information systems should follow the program outlined in the section on the Department of Management Information Systems and Decision Sciences (MIS) in this chapter.

The program below contains all of the requirements for the first and second years. There is flexibility in the sequencing of some courses—e.g., PHL 103 can be taken during either the first or the second semester; some courses listed in the first year can just as well be taken during the second year, and vice versa. Consult academic advisor for sequencing options.

<i>Dept.</i>	<i>No.</i>	<i>Course</i>	<i>Semester Hours</i>	
			1st Term	2nd Term
First Year				
MIS	103	Introduction to Computers and Information Systems	3	
ENG	101-102	College Composition I and II ¹	3	3
HST	101 or 102	History of Western Civilization		3
MTH	110-111	Quantitative Analysis for Business I and II ²	3	3
PHL	103	Introduction to Philosophy	3	
SPE	101	Fundamentals of Oral Communication ³		3
—	—	Social science elective ⁴	3	
—	—	General education requirement ⁵		4
			15	16
Sophomore Year				
ACC	207-208	Principles of Accounting I and II	3	3
DSC	210-211	Statistics for Business I and II	3	3
ECO	203-204	Principles of Microeconomics and Macroeconomics	3	3
MGT	203	Business Law I	3	
—	—	General education requirements ⁵	3	6
			15	15

¹Students placed in ENG 114 or 198 take a nonbusiness elective the second term.

²MTH 107 is recommended for students with insufficient knowledge of secondary mathematics. This would be an additional course for those taking it, since MTH 107 does not count towards graduation.

³Students testing out of SPE 101 will substitute a nonbusiness elective.

⁴Choose any course from one of the following departments: Political Science, Psychology, Sociology.

⁵See General Education Requirements, Chapter V. Some general education courses are specified in the program (e.g., PHL 103); others are to be chosen from the listing of approved courses set forth in Chapter V.

UPPER-LEVEL PROGRAMS

Specialization in the School of Business Administration occurs in the junior and senior years. Majors are available in accounting, economics, finance, management, management information systems, and marketing. These programs are described later in this chapter.

Each major involves some number of general electives, as seen in the appropriate program descriptions. In choosing electives, students must bear in mind two considerations. One is that at least three semester hours of general electives must be taken outside the School of Business Administration. The other is that a minimum of 54 semester hours of *all* academic work must be at the 300-400 level.

Double majors and minors in business administration are available; requirements for minors are set forth under the descriptions for each academic unit later in this chapter. Minors in some nonbusiness programs are also available; consult the appropriate department for details.

MINOR IN INTERNATIONAL BUSINESS

The minor in international business is an interdisciplinary program in business administration which consists of 18 semester hours. Nine of these are chosen from business courses; the remaining nine from nonbusiness international-related courses, chosen in consultation with the student's academic advisor. It is recommended, but not required, that a portion of the nine semester hours of nonbusiness courses be upper-level language courses.

The requirement for business courses consists of three courses, one each from any three of the following functional areas. One of these courses may also count toward the student's major, with the approval of the department chairperson.

Accounting:

ACC 412 International Accounting

Economics:

ECO 450 Comparative Economic Systems

ECO 460 Economic Development and Growth

ECO 461 International Economics

Finance:

FIN 450 International Business Finance

Management:

MGT 430 Multinational Corporate Management

Marketing:

MKT 440 Multinational Marketing

MKT 445 Special Topics in International Marketing (for Study Abroad Program)

Business Administration Interdisciplinary:

BAI 301 Practicum in International Business

INTERNSHIP

Internship is work experience offered for academic credit in each of the departments in the School of Business Administration. The intent is to provide

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practical experience in implementing the theory and skills learned in the classroom, in work associated with the student's academic concentration. It is an option open to all undergraduate students pursuing four-year programs once they have fulfilled the following preconditions:

1. Students must have completed a minimum of 45 semester hours.
2. A minimum of 2.0 cumulative grade average is required and must be maintained.
3. Approval from the department chairperson of the student's major is a prerequisite for participation in the program.

Positions offered to students may be either compensatory or noncompensatory. The intent of the internship is to be beneficial to both the students and the participating organizations. Students are encouraged to find positions themselves, and these are acceptable if the employers agree to the conditions for participating organizations.

Credits earned in internship may be applied as general electives or associated with the student's major, depending upon the requirements of the individual departments. The maximum number of semester hours that may be earned over the full four-year degree program is twelve. Individual department requirements differ and should be checked under the 497 course numbers in the pages which follow.

The internship program is offered in all terms with special policy and conditions governing the summer session. During the first and second terms internships are offered in the Dayton area, while during the summer session arrangements can be made for out-of-town participation. Interested students should see the internship coordinator for further information as soon as they are eligible for participation.

COOPERATIVE EDUCATION

The School of Business Administration participates in the University of Dayton Cooperative Education Program, which is an optional program of full-time, on-campus study alternating with terms of full-time, off-campus work training. For a fuller explanation of the program please refer to Chapter X.

ACC

ACCOUNTING (ACC)

Accounting is the study of the preparation and communication of economic information about business and nonbusiness entities useful to decision makers. Students completing the accounting program are prepared for positions in industry, public accounting, nonprofit organizations, and government, as well as for the CPA and other applicable professional examinations.

An accounting major must earn credit in at least seven upper-level accounting courses. Six specific courses are required: ACC 303, 305, 306, 341, 401, and 420. At least one additional accounting course is required. Students should consult with their academic advisors about selecting accounting and other elective courses appropriate to particular career goals. For example, a student desiring a career in public accounting would benefit from taking ACC 408, Advanced Financial Accounting, as well as ACC 430, Law for the Accounting Profession.

The program below contains all of the junior and senior requirements for an accounting major. There is flexibility in the sequencing of some courses. Consult academic advisor for sequencing options.

PROGRAM—B1: BACHELOR OF SCIENCE WITH A MAJOR IN ACCOUNTING (ACC)

<i>Dept.</i>	<i>No.</i>	<i>Course</i>	<i>Semester Hours</i>	
Junior Year			1st Term	2nd Term
ACC	303	Managerial Accounting	3	
ACC	305-306	Intermediate Financial Accounting	4	3
ACC	341	Accounting Information Systems I		3
FIN	301	Business Finance		3
MGT	305	Management and Organization	3	
MKT	305	Principles of Marketing	3	
PHL	313	Business Ethics		3
or				
REL	368	Christian Ethics and the Business World		
—	—	Communication elective ¹	3	
—	—	General education requirement ²		3
			16	15
Senior Year				
ACC	401	Auditing Principles	4	
ACC	420	Federal Income Taxation	4	
ACC	—	Accounting elective ³		3
DSC	316	Production/Operations Management	3	
ECO	—	Economics elective ⁴	3	
MGT	490	Strategic Management and Policy		3
—	—	General education requirement ²		3
—	—	General electives ⁵	3	6
			17	15

¹Choose one course from the following: ENG 370, 372; COM 308, 310; SPE 312.

²See General Education Requirements, Chapter V. Some general education courses are specified in the program (e.g., PHL 313 or REL 368); others are to be chosen from the listing of approved courses set forth in Chapter V.

³Select in consultation with advisor.

⁴Choose one of the following: ECO 346, 347, 441, 442, 445, 461, 471, 485.

⁵At least 3 sem. hrs. of the general electives must be taken outside the School of

Business Administration. A minimum of 54 sem. hrs. of all academic work must be at the 300-400 level.

For a minor in accounting, at least 19 semester hours are required:
ACC 207-208, Principles of Accounting (ACC 301 substitutes for ACC 207.)
ACC 305-306, Intermediate Financial Accounting
Two additional accounting courses, chosen in consultation with the department chairperson.

FACULTY

Ronnie J. Burrows, *Chairperson*

Professor: Hoben

Associate Professors: Brady, Burrows, Campbell, Clark, Eley, Fioriti, Geary, Rosenzweig, Vorherr

Assistant Professors: Gaumnitz, Phillips

COURSES OF INSTRUCTION

ACC 207. PRINCIPLES OF ACCOUNTING I: Introduction to financial accounting concepts, procedures, and terminology. The accounting framework for recording transactions and reporting to parties external to the organization. Prerequisite: Sophomore standing. ACC 207 is a prerequisite for all other accounting courses except ACC 301. 3 sem. hrs.

ACC 208. PRINCIPLES OF ACCOUNTING II: Completion of introduction to financial accounting concepts, procedures, and terminology. Reporting to managers for planning and controlling organization activities as well as cost accumulation. Prerequisite: ACC 207. 3 sem. hrs.

ACC 301. FINANCIAL ACCOUNTING: Introduction to financial accounting concepts, terminology, purposes, and applications for the nonbusiness student, including financial statements and financial control procedures. Not open to students in the School of Business Administration or to those with credit in ACC 207. 3 sem. hrs.

ACC 302. ACCOUNTING FOR MANAGEMENT: How accounting information is used to manage a business or nonprofit institution. Budgeting, cost accounting, differential accounting for analysis and decision making, and institutional accounting. Not open to accounting majors. Prerequisite: ACC 207 or 301. 3 sem. hrs.

ACC 303. MANAGERIAL ACCOUNTING: The production, dissemination, and interpretation of financial information for use within an organization. Information for planning, decision making, and control. Study of typical cost accounting systems in various organizations. Prerequisites: ACC 208, junior standing. 3 sem. hrs.

ACC 305-306. INTERMEDIATE FINANCIAL ACCOUNTING: Comprehensive treatment of financial accounting concepts, principles, and procedures used in the preparation and analysis of financial statements. These courses are the basis for all advanced courses. Prerequisites: ACC 208, junior standing. ACC 305 is a prerequisite for ACC 306. 4 and 3 sem. hrs. respectively

ACC 341. ACCOUNTING INFORMATION SYSTEMS I: Study of designs of accounting systems, including their impact on management decision making and control. Emphasis on (1) a systems approach to the flow of data, (2) system internal control, and (3) computer applications in accounting. Prerequisites: ACC 208, MIS 103; or permission of instructor. 3 sem. hrs.

ACC 401. AUDITING PRINCIPLES: Introduction to the concepts, standards, techniques, and procedures used to evaluate the fairness of the financial information generated by a business entity; examination and analysis of internal control and the auditor's reports. Prerequisites: ACC 303, 306, 341. 4 sem. hrs.

ACC 402. ACCOUNTING FOR NONPROFIT ORGANIZATIONS: Study of the principles, techniques, and procedures related to financial reporting of governmental units and other not-for-profit entities. Prerequisite: ACC 306. 3 sem. hrs.

ACC 404. ADVANCED MANAGERIAL ACCOUNTING: Study of the more involved methods and concepts of managerial cost accounting. Includes advanced topics in cost determination and analysis, quantitative methods, behavioral aspects of management decision-making and control systems. Prerequisites: ACC 303, 341. 3 sem. hrs.

ACC 405. INTERNAL AUDITING PRINCIPLES: Introduction to procedures and techniques enabling a firm to exercise control over its assets; analysis of various systems to ascertain effectiveness. Prerequisites: ACC 303, 306. 3 sem. hrs.

ACC 408. ADVANCED FINANCIAL ACCOUNTING: Study of the principles and procedures in accounting for specialized uses in branches, business combinations, consolidations, government and other not-for-profit entities, and multinational companies. Prerequisite: ACC 306. 3 sem. hrs.

ACC 412. INTERNATIONAL ACCOUNTING: Introduction to the issues and problems of international business as they relate to accounting; how various countries perceive and deal with specific accounting problems. 3 sem. hrs.

ACC 413. ADVANCED ACCOUNTING PROBLEMS: Comprehensive study and analysis of accounting principles and practices, using specific problems for development of approaches to problem solving. Useful in preparing for CPA and other professional examinations. Prerequisite: Consent of chairperson. 3 sem. hrs.

ACC 414. SEMINAR IN ACCOUNTING: Study of current accounting issues and recent authoritative pronouncements; panel discussions, case studies, presentations by professional accountants, extensive access to accounting literature. Prerequisite: 12 sem. hrs. of upper-level ACC courses or permission of instructor. 3 sem. hrs.

ACC 420. FEDERAL INCOME TAXATION: The conceptual framework of taxation, with primary emphasis on discussion and evaluation of the taxation of individuals. Introduction to taxation of corporations and partnerships. Prerequisite: ACC 208. 4 sem. hrs.

ACC 421. ADVANCED TAXATION: Study of taxation of corporations, partnerships, and estates and trusts. Emphasis on the impact of taxation on business entities. Prerequisite: ACC 420. 3 sem. hrs.

ACC 430. LAW FOR THE ACCOUNTING PROFESSION: Study of major laws affecting the public and private practice of accounting; contracts, property, commercial code, bankruptcy, business organizations, legal responsibility, and government regulations. Credit does not apply to requirements for ACC major. Prerequisites: MGT 203, permission of chairperson. 3 sem. hrs.

ACC 441. ACCOUNTING INFORMATION SYSTEMS II: Examination of accounting systems with emphasis on microcomputer applications. Exposure to general ledger packages, complex spreadsheet applications, decision support systems, and data base management applications as they apply to accounting systems. Prerequisite: ACC 341 or permission of instructor. *3 sem. hrs.*

ACC 491-492. HONORS THESIS: Selection, design, investigation, and completion of an independent original research thesis under the guidance of a departmental faculty member. Restricted to students in the University Honors Program with permission of program director and chairperson. *3 sem. hrs. each*

ACC 497. LABORATORY WORK EXPERIENCE: Under faculty sponsorship and in association with a participating industrial, commercial, educational, health-care, or governmental organization, practical experience in work associated with the student's major or minor concentration. (See internship coordinator for details.) Credit does not apply to requirements for ACC major. Permission of chairperson required. *3 sem. hrs.*

ACC 498. COOPERATIVE EDUCATION: Optional full-time work period off campus alternating with study period on campus. (See Chapter X; consult Cooperative Education Office for details.) Credit does not apply to requirements for ACC major. Permission of chairperson required. *3 sem. hrs.*

ACC 499. SPECIAL PROBLEMS (HONORS): Directed readings, independent study, and research projects in selected fields of accounting. Periodic conferences with instructor. Number of sem. hrs. depends on amount of work chosen. Prerequisites: Senior status in accounting, permission of chairperson and instructor. *1-6 sem. hrs.*



DSC

DECISION SCIENCES (DSC)

The Department of Management Information Systems and Decision Sciences offers instruction in several quantitative and systems areas, a major in management information systems (see MIS), and a minor in decision sciences.

Decision sciences is the study of the development and application of quantitative methodologies to the functional and behavioral problems of any organization. The major areas of study include applied statistics, operations research, and production/operations management. All business students take three decision sciences courses as part of their core business coursework: DSC 210, Statistics for Business I; DSC 211, Statistics for Business II; and DSC 316, Production/Operations Management.

The minor in decision sciences (DSC) offers business students and other students an opportunity to develop their skills in the quantitative methods which support managerial decision making. The following courses are required for a minor in decision sciences:

DSC 210, Statistics for Business I

DSC 210, Statistics for Business II

DSC 303, Decision Support with Microcomputers

DSC 312, Quantitative Business Analysis

Six additional semester hours of 300-400-level DSC or MIS courses. Business students may not use the core course DSC 316.

FACULTY

E. James Dunne, *Chairperson, Department of Management Information Systems and Decision Sciences*

Prabuddha De, *Standard Register-Sherman Distinguished Professor of MIS*

Professors: De, Dunne, Ferratt, Vlahos, Wells

Associate Professors: Amsden, Bohlen, Rippy, Young

Assistant Professors: Agarwal, Casey, Ghosh, Sriram

Lecturer: Zalewski

COURSES OF INSTRUCTION

DSC 210. STATISTICS FOR BUSINESS I: Basic concepts of statistics including descriptive statistics, probability, probability distribution, and estimation. Prerequisite: MTH 111. 3 sem. hrs.

DSC 211. STATISTICS FOR BUSINESS II: Tests of hypotheses followed by analysis of variance, correlation, simple and multiple regression, nonparametric statistics, time series, and survey sampling. Prerequisite: DSC 210. 3 sem. hrs.

DSC 303. DECISION SUPPORT WITH MICROCOMPUTERS: Microcomputer-based information and decision support systems emphasizing database management system and spreadsheet applications. Database concepts, design techniques, and spreadsheet-modeling capabilities; experience with several software packages. Prerequisite: MIS 103. 3 sem. hrs.

DSC 312. QUANTITATIVE BUSINESS ANALYSIS: Introduction to the principal mathematical models used to support managerial analysis and decision making. Topics include linear programming, simulation, decision theory, and queueing theory. Prerequisite: DSC 211 or equivalent. 3 sem. hrs.

DSC 313. ADVANCED BUSINESS STATISTICS: Selected topics from advanced statistics with emphasis on business applications. Prerequisite: DSC 211 or equivalent. 3 sem. hrs.

DSC 316. PRODUCTION/OPERATIONS MANAGEMENT: Study of the management of processes that produce goods and services. Emphasis on the use of quantitative techniques in the analysis of production systems. Discussion of current trends such as just-in-time, total quality, and flexible manufacturing. Prerequisite: DSC 211 or equivalent. *3 sem. hrs.*

DSC 410. DECISION THEORY: Introduction to the analysis of decisions under uncertainty. Topics include structuring of the decision process, Bayesian decision theory, and multicriteria decision making. Prerequisite: DSC 211 or equivalent. *3 sem. hrs.*

DSC 413. OPERATIONS RESEARCH—DETERMINISTIC MODELS: Study of quantitative methods and model building as aids in management decision making. Emphasis on deterministic methods such as linear programming, integer programming, goal programming, and network models. Prerequisite: DSC 211 or equivalent. *3 sem. hrs.*

DSC 414. OPERATIONS RESEARCH—STOCHASTIC MODELS: Study of quantitative methods and model building as aids in management decision making. Emphasis on probabilistic methods such as decision analysis, waiting line theory, inventory models, and simulation modeling. Prerequisite: DSC 211 or equivalent. *3 sem. hrs.*

DSC 415. SIMULATION MODELING AND ANALYSIS: Introduction to simulation to support business decision making. Emphasis on building and analyzing models in a variety of application areas including manufacturing and service systems. Study and use of a simulation language. Prerequisites: MIS 103, DSC 312. *3 sem. hrs.*

DSC 420. EXPERT AND KNOWLEDGE-BASED SYSTEMS: Introduction to expert and knowledge-based systems as components of MIS; knowledge acquisition, knowledge representation, and applications to business decision making. PROLOG, LISP, and/or expert software used. Prerequisite: MIS 103 or equivalent. DSC 312 recommended. *3 sem. hrs.*

DSC 430. QUALITY AND JIT IN MANUFACTURING: The concepts of just-in-time manufacturing, total quality system, and statistical process control. Projects, tours, and guest speakers. Prerequisite: DSC 316. *3 sem. hrs.*

DSC 491-492. HONORS THESIS: Selection, design, investigation, and completion of an independent original research thesis under the guidance of a departmental faculty member. Restricted to students in the University Honors Program with permission of the director of the program and the departmental chairperson. *3 sem. hrs. each*

DSC 494. SEMINAR IN DECISION SCIENCES: Study of selected topics or issues in applied statistics, quantitative business analysis, and production/operations management. Topics vary from time to time. May be taken more than once if topics change. Title will reflect topics covered in a particular offering. *3 sem. hrs.*

DSC 497. LABORATORY WORK EXPERIENCE: Under faculty sponsorship and in association with a participating industrial, commercial, educational, health-care, or governmental organization, practical experience in work associated with the student's minor concentration. (See internship coordinator for details.) Does not count toward MIS major. Permission of chairperson required. *1-6 sem. hrs.*

DSC 499. INDEPENDENT STUDY IN DECISION SCIENCES: Research on a subject within decision sciences. Normally open only to juniors and seniors who have attained a cumulative grade-point average of 3.0 or above. Prerequisite: Permission of chairperson. *1-6 sem. hrs.*

ECO

ECONOMICS (ECO)

The major program in economics is designed for students seeking careers as economists in education, government, or business. The major is excellent preparation for graduate work in either economics or business administration and for law school. The student is equipped with the tools for the systematic analysis of the economics of the firm, the industry, the nation, and the world.

The major in economics consists of ECO 203-204; ECO 346, Intermediate Microeconomic Analysis; ECO 347, Intermediate Macroeconomic Analysis; and 15 semester hours of economics electives. ECO 442, Money and Banking, is strongly recommended. Students in the College of Arts and Sciences desiring to major in economics will follow the program for the Bachelor of Arts in Economics. (See ECO, Chapter VI.)

The student may choose from several optional concentrations. These include banking and investment, government economics, international economics, managerial economics, and pre-law.

The program below contains all of the junior and senior requirements for an economics major. There is flexibility in the sequencing of some courses. Consult academic advisor for sequencing options.

PROGRAM—B3-A: BACHELOR OF SCIENCE WITH A MAJOR IN ECONOMICS (ECO)

Dept.	No.	Course	Semester Hours	
Junior Year			1st Term	2nd Term
ECO	346	Intermediate Microeconomic Analysis	3	
ECO	347	Intermediate Macroeconomic Analysis		3
ECO	—	Economics elective		3
FIN	301	Business Finance	3	
MGT	305	Management and Organization	3	
MKT	305	Principles of Marketing		3
PHL	313	Business Ethics	3	
or				
REL	368	Christian Ethics and the Business World		
—	—	Communication elective ¹		3
—	—	General education requirement ²	3	
—	—	General elective ³		3
			15	15
Senior Year				
DSC	316	Production/Operations Management	3	
ECO	—	Economics electives	6	6
MGT	490	Strategic Management and Policy		3
—	—	General education requirement ²	3	
—	—	General electives ³	3	6
			15	15

¹Choose one course from the following: ENG 370, 372; COM 308, 310; SPE 312.

²See General Education Requirements, Chapter V. Some general education courses are specified in the program (e.g., PHL 313 or REL 368); others are to be chosen from the listing of approved courses set forth in Chapter V.

³At least 3 sem. hrs. of the general electives must be taken outside the School of

Business Administration. A minimum of 54 sem. hrs. of all academic work must be at the 300-400 level.

For a minor in economics, 18 semester hours are required:

ECO 203-204, Principles of Micro- and Macroeconomics

ECO 346-347, Intermediate Micro- and Macroeconomics Analysis

Six additional semester hours in economics.

FACULTY

Carl R. Chen, *Chairperson, Department of Economics and Finance*

Professors: Chen, Rapp, Weiler, Winger

Associate Professors: Beladi, Frasca, Gustafson, Hadley, Stick

Assistant Professors: Blodget, Colón, Mohan, Stock

COURSES OF INSTRUCTION

*ECO 203. PRINCIPLES OF MICROECONOMICS: Examination of pricing under conditions of perfect and imperfect competition; study of distribution of income, principles of international trade, problems of economic development, and alternative economic systems. 3 sem. hrs.

*ECO 204. PRINCIPLES OF MACROECONOMICS: Basic economic principles; analysis of American economy—business organization, industrial relations, the economic role of government, money and banking in the productive process, determination of aggregate level of national income and employment. 3 sem. hrs.

ECO 346. INTERMEDIATE MICROECONOMIC ANALYSIS: Analysis of the theory of consumer behavior, production theory, equilibrium of the firm, price determination in various market structures, distribution of income, allocation of resources, welfare economics. Prerequisite: ECO 203. 3 sem. hrs.

ECO 347. INTERMEDIATE MACROECONOMIC ANALYSIS: National income accounting and the determination of the level of income and employment; classical, Keynesian, and post-Keynesian models; private, government, and foreign sectors; theories of inflation and economic growth. Prerequisite: ECO 204; ECO 203 recommended. 3 sem. hrs.

ECO 430. HISTORY OF ECONOMIC THOUGHT: Development of economic thinking from Biblical times to the present; overview of mercantilism, physiocracy, and classical, utilitarian, socialist, neoclassical, and Keynesian streams of thought. Prerequisites: ECO 203, 204. 3 sem. hrs.

ECO 441. ECONOMETRICS: Training in the art of making economic measurements from empirical data, using regression analysis as the principal tool; use of a computer program for determining the parameters and statistical measures of the regression equation; interpretation of the results by statistical inference. Prerequisites: Differential calculus and basic statistics or permission of the instructor. 3 sem. hrs.

ECO 442. MONEY AND BANKING: Principles of money and monetary systems; commercial banking and the role of the Federal Reserve System; monetary theory and policy; the mechanism of international payments. Prerequisites: ECO 203, 204; ECO 347 recommended. 3 sem. hrs.

ECO 445. PUBLIC FINANCE: The economic aspects of government finance at the local, state, and especially national level; the behavioral effects of various taxes, efficiency in spending, the changing role of the U.S. government, fiscal policy, and intergovernmental revenue and expenditure programs; emphasis on relating analytical tools to current developments. Prerequisites: ECO 203, 204. *3 sem. hrs.*

ECO 450. COMPARATIVE ECONOMIC SYSTEMS: Analysis of the principal tools of economic systems of the world, primarily capitalism, socialism, and communism; survey of economic conditions of over 25 nations, especially natural resources, agriculture, industries, foreign trade, and currency strength. Prerequisites: ECO 203, 204. *3 sem. hrs.*

ECO 460. ECONOMIC DEVELOPMENT AND GROWTH: Study of various dynamic economic theories of growth and structural change; the role of particular factors of production and related noneconomic variables in the development process, primarily, though not exclusively, of Third World nations. Prerequisites: ECO 203, 204. *3 sem. hrs.*

ECO 461. INTERNATIONAL ECONOMICS: Study of international trade and international monetary relations, theoretical and practical aspects of flows of commodities and production resources, protection, balance of payments, adjustment mechanism and policy, and international economic organizations. Prerequisites: ECO 203, 204. *3 sem. hrs.*

ECO 471. LABOR ECONOMICS: Theory of labor supply and demand, human capital theory, and the process by which wages are determined in various factor markets; applications to topics of unemployment, unions, migration, discrimination, and skill differentials. Prerequisites: ECO 203, 204. *3 sem. hrs.*

ECO 485. URBAN AND REGIONAL ECONOMICS: Treatment of certain theoretical concepts such as location theory and theories of land use and land rent; an economic interpretation for the existence of cities; applying economic analysis to the problems of traffic congestion, pollution, race, poverty, and urban sprawl. Student research on a topic of interest is requisite. Prerequisite: ECO 203; ECO 346 recommended. *3 sem. hrs.*

ECO 490. ANTITRUST ECONOMICS: Analysis of industrial organization, including the economics of pertinent antitrust laws. Prerequisite: ECO 203; ECO 346 recommended. *3 sem. hrs.*

ECO 491-492. HONORS THESIS: Selection, design, investigation, and completion of an independent original research thesis under the guidance of a departmental faculty member. Restricted to students in the University Honors Program with permission of the director of the program and the departmental chairperson. *3 sem. hrs. each*

ECO 493. BUSINESS ECONOMICS: The application of microeconomics to business decision making. A case-oriented course exploring methods for utilizing economic theory in practical settings involving demand, production, cost, and pricing. Prerequisite: ECO 346. *3 sem. hrs.*

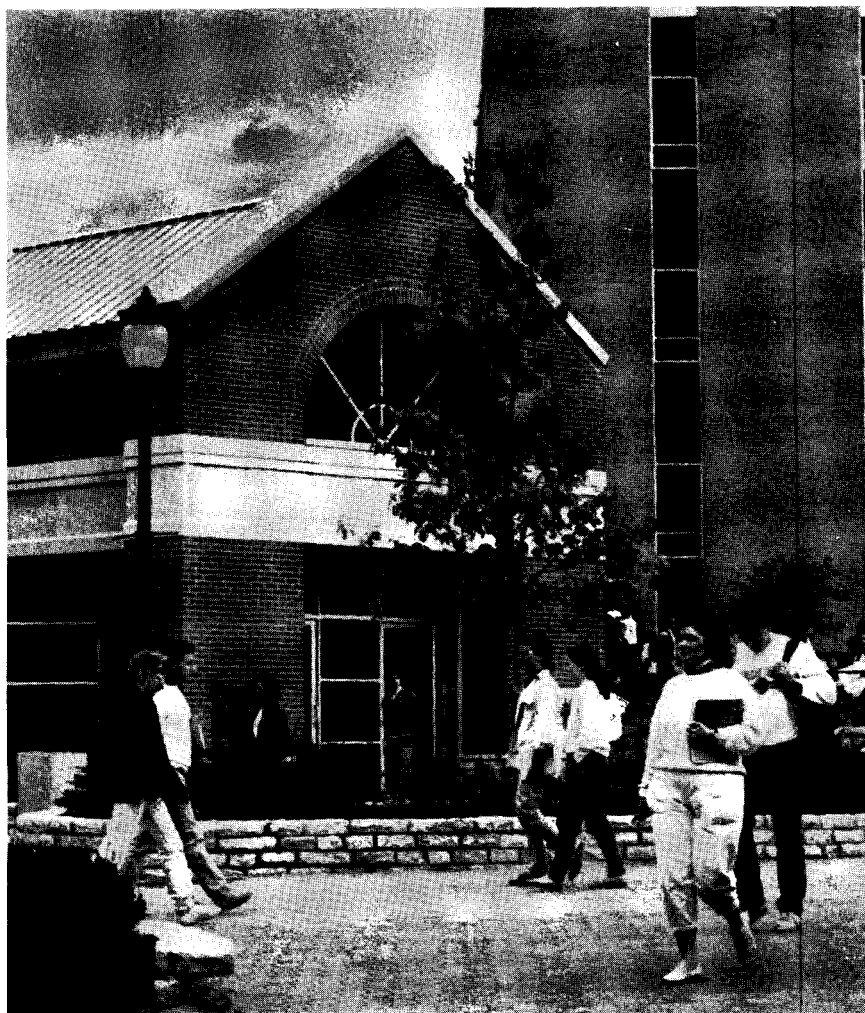
ECO 494. SEMINAR: Subject varies from time to time. May be taken more than once if topic changes. Prerequisites to be announced. *3 sem. hrs.*

ECO 496. COOPERATIVE EDUCATION: Optional full-time work period off campus alternating with study period on campus. (See Chapter X; consult Cooperative Education Office for details.) Permission of chairperson required. *3 sem. hrs.*

ECO 497. LABORATORY WORK EXPERIENCE: Under faculty sponsorship and in association with a participating industrial, commercial, educational, health-care, or governmental organization, practical experience in work associated with the student's major or minor concentration. (See internship coordinator for details.) Does not count toward economics major. Permission of chairperson required. *3 sem. hrs.*

ECO 498. STUDIES IN ECONOMICS (HONORS): Directed readings and research in selected fields of economics. The number of sem. hrs. will depend on the amount of work chosen. The course will involve periodic discussions with faculty and other students in the course. May be taken more than once for additional credit. Prerequisite: 3.0 average in economics with a minimum of 9 sem. hrs. in economics, and permission. *1-6 sem. hrs.*

*General education course. See Chapter V.



FIN

FINANCE (FIN)

The major program in finance is designed for students seeking careers in finance, banking, security analysis, or financial institutions. A major in finance is also excellent preparation for graduate study in finance or business administration or for law school.

The student majoring in finance will complete FIN 301, Business Finance; FIN 360, Investments; FIN 370, Financial Institutions; FIN 442, Money and Banking; and a minimum of 9 semester hours of finance electives, 6 of which must be at the 400 level.

The program below contains all of the junior and senior requirements for a finance major. There is flexibility in the sequencing of some courses. Consult academic advisor for sequencing options.

PROGRAM—B3-B: BACHELOR OF SCIENCE WITH A MAJOR IN FINANCE (FIN)

<i>Dept.</i>	<i>No.</i>	<i>Course</i>	<i>Semester Hours</i>	
Junior Year			1st Term	2nd Term
ECO	—	Economics elective ¹	3	
FIN	301	Business Finance	3	
FIN	360	Investments		3
FIN	370	Financial Institutions		3
MGT	305	Management and Organization	3	
MKT	305	Principles of Marketing		3
PHL	313	Business Ethics		3
or				
REL	368	Christian Ethics and the Business World		
—	—	Communication elective ²	3	
—	—	General education requirement ³		3
—	—	General elective ⁴	3	
			<u>15</u>	<u>15</u>
Senior Year				
DSC	316	Production/Operations Management	3	
FIN	442	Money and Banking	3	
FIN	—	Finance electives ⁵	3	6
MGT	490	Strategic Management and Policy		3
—	—	General education requirement ³	3	
—	—	General electives ⁴	3	6
			<u>15</u>	<u>15</u>

¹Choose one of the following: ECO 346, 347, 441, 442, 445, 461, 471, 485. If ECO 442 is selected, FIN 442 must be replaced by a 400-level elective in finance.

²Choose one course from the following: ENG 370, 372; COM 308, 310; SPE 312.

³See General Education Requirements, Chapter V. Some general education courses are specified in the program (e.g., PHL 313 or REL 368); others are to be chosen from the listing of approved courses set forth in Chapter V.

⁴At least 3 sem. hrs. of the general electives must be taken outside the School of



Business Administration. A minimum of 54 sem. hrs. of all academic work must be at the 300-400 level.

²The 9 sem. hrs. of finance electives must include at least 6 sem. hrs. at the 400 level.

For a minor in finance, 15 semester hours are required:

FIN 301, Business Finance

FIN 360, Investments

FIN 370, Financial Institutions

FIN 442, Money and Banking

Three additional semester hours in finance

FACULTY

Carl R. Chen, *Chairperson, Department of Economics and Finance*

Professors: Chen, Rapp, Weiler, Winger

Associate Professors: Beladi, Frasca, Gustafson, Hadley, Stick

Assistant Professors: Blodget, Colón, Mohan, Stock

COURSES OF INSTRUCTION

FIN 200. PERSONAL FINANCE: Principles and techniques for handling personal financial decisions: personal budgeting, obtaining credit, life and casualty insurance, buying a home, buying an automobile, and savings and investments. For both business and nonbusiness majors. No credit toward finance major. No prerequisite.

3 sem. hrs.

FIN 301. BUSINESS FINANCE: Principles and techniques used by business firms in managing and financing their current and fixed assets; sources of funds within the capital markets; determinants of the financial structure; analytical techniques. Prerequisites: ECO 203, ACC 207 or 301.

3 sem. hrs.

FIN 330. INSURANCE AND RISK MANAGEMENT: Study of the basic concepts of business and personal risks from the standpoint of creation, identification, reduction, elimination, and evaluation of risks; the use of insurance in meeting problems of risk.

3 sem. hrs.

FIN 336. **PRINCIPLES OF REAL ESTATE:** Survey of real estate industry with emphasis on its structure, regulation, growth, needs, financing, and future. Analysis of the methods of determining land use and evaluation of the theories of city development. *3 sem. hrs.*

FIN 360. **INVESTMENTS:** The principles and techniques used by the investor in selecting securities, emphasis on the stock and bond markets; security valuation methods leading to the selection of individual issues; portfolio theory. Prerequisites: FIN 301. *3 sem. hrs.*

FIN 370. **FINANCIAL INSTITUTIONS:** Integrated and comprehensive analysis of financial institutions with emphasis on financial intermediaries and the influence of government on the financial system. Prerequisite: FIN 301. *3 sem. hrs.*

FIN 440. **PORTFOLIO MANAGEMENT AND SECURITY ANALYSIS:** Advanced valuation theory; fundamentals of security analysis, portfolio construction, and management. Prerequisites: FIN 301, 360. *3 sem. hrs.*

FIN 442. **MONEY AND BANKING:** Principles of money and monetary systems; commercial banking and the role of the Federal Reserve System; monetary theory and policy; the mechanism of international payments. Prerequisites: ECO 203, 204; ECO 347 recommended. *3 sem. hrs.*

FIN 450. **INTERNATIONAL BUSINESS FINANCE:** Introduction to problems facing financial management of international companies, including environmental factors, organizing, financing of international trade, investment, production, and international accounting and control. Prerequisite: FIN 301. *3 sem. hrs.*

FIN 490. **ADVANCED FINANCIAL ANALYSIS:** Study of current developments in financial planning, acquisition of funds, asset management valuation; policy strategy and techniques in financial decision making. Prerequisite: FIN 301. *3 sem. hrs.*

FIN 491-492. **HONORS THESIS:** Selection, design, investigation, and completion of an independent original research thesis under the guidance of a departmental faculty member. Restricted to students in the University Honors Program with permission of the director of the program and the departmental chairperson. *3 sem. hrs. each*

FIN 496. **COOPERATIVE EDUCATION:** Optional full-time work period off campus alternating with study period on campus. (See Chapter X; consult Cooperative Education Office for details.) Permission of chairperson required. *3 sem. hrs.*

FIN 497. **LABORATORY WORK EXPERIENCE:** Under faculty sponsorship and in association with a participating industrial, commercial, educational, health-care, or governmental organization, practical experience in work associated with the student's major or minor concentration. (See internship coordinator for details.) Does not count toward finance major. Permission of chairperson required. *3 sem. hrs.*

FIN 498. **STUDIES IN FINANCE (HONORS):** Directed readings and research in selected fields of finance. The number of sem. hrs. will depend on the amount of work chosen. The course will involve periodic discussions with other students and faculty in the program. May be taken more than once for additional credit. Prerequisite: 3.0 average in finance with a minimum of 9 sem. hrs. in finance. *1-6 sem. hrs.*

INTERDISCIPLINARY STUDIES (BAI)

BAI 199. BUSINESS SCHOLARS FORUM I: Exploration and discussion of a wide range of business topics. Weekly sessions led by faculty members and guest professionals in their areas of expertise. Open only to first-year Business Scholars.

1 sem. hr.

BAI 201. BUSINESS SCHOLARS FORUM II: Similar to BAI 199 with topics geared to sophomore Business Scholars. Open only to sophomore Business Scholars.

1 sem. hr.

BAI 301. PRACTICUM IN INTERNATIONAL BUSINESS: Study and analysis of international business concepts: objectives and ethics; planning; decision-making; business skills and entrepreneurial aptitudes. Comparative analysis of various cultures and their impact on international business operation.

3 sem. hrs.

BAI 497. LABORATORY WORK EXPERIENCE: Under faculty sponsorship and in association with a participating industrial, commercial, educational, health-care, or governmental organization, practical experience in work associated with the student's major or minor concentration. (See internship coordinator for details.) Does not count toward major. Permission of dean required.

3-6 sem. hrs.



MGT

MANAGEMENT (MGT)

Management is defined as the planning, organizing, directing, and controlling of an enterprise's operations so that objectives can be achieved economically and effectively. Since management is the art and science of achieving goals through people and other resources, the basic job of the management person is to supervise people in the achievement of goals. The actual functions performed may include anything from operations, sales, and personnel to transportation of goods or analysis of a computer system. The management program equips students to seek careers in military, religious, educational, business, or governmental organizations. In addition, through the proper selection of electives, students may obtain some specialization in personnel and industrial relations, strategic management, the legal environment of business, or other fields.

The major in management consists of MGT 387, Organization Behavior; DSC 365, Management Systems; MGT 380, Organization Theory and Design; and nine semester hours of management electives. The wide selection of elective courses allows students to specialize in particular aspects of management, if they desire. With the help of an advisor, a student can choose management elective courses to obtain a specialization in one of the following:

- Management and Supervision
- Industrial Relations
- Personnel and Human Resources
- Entrepreneurship and Small Business
- Business Strategy and Policy
- Business Law

Alternatively, the student may choose electives in such a way as to have a broad-based exposure to management concepts.

The following courses are required for a minor in management:

MGT 305, Management and Organization

MGT 387, Organization Behavior

MGT 380, Organization Theory and Design

Six additional semester hours of 300-400-level management courses other than MGT 490. Students enrolled in the School of Business Administration may not use core courses for the six-semester-hour requirement.

The program below contains all of the junior and senior requirements for a management major. There is flexibility in the sequencing of some courses. Consult academic advisor for sequencing options.

PROGRAM—B2: BACHELOR OF SCIENCE WITH A MAJOR IN MANAGEMENT (MGT)

Dept.	No.	Course	Semester Hours	
Junior Year			1st Term	2nd Term
DSC	316	Production/Operations Management		3
ECO	—	Economics elective ¹	3	
FIN	301	Business Finance	3	
MGT	305	Management and Organization	3	
MGT	387	Organization Behavior		3

School of Business Administration

MGT

MKT	305	Principles of Marketing	3	
—	—	Communication elective ²		3
—	—	General education requirement ³		3
—	—	General electives ⁴	3	3
			15	15
Senior Year				
MIS	365	Management Information Systems	3	
MGT	380	Organization Theory and Design	3	
MGT	490	Strategic Management and Policy		3
MGT	—	Management electives	3	6
PHL	313	Business Ethics		3
or				
REL	368	Christian Ethics and the Business World		
—	—	General education requirement ³	3	
—	—	General electives ⁴	3	3
			15	15

¹Choose one of the following: ECO 346, 347, 441, 442, 445, 461, 471, 485.

²Select one course from the following: ENG 370, 372; COM 308, 310; SPE 312.

³See General Education Requirements, Chapter V. Some general education courses are specified in the program (e.g., PHL 313 or REL 368); others are to be chosen from the listing of approved courses set forth in Chapter V.

⁴At least 3 sem. hrs. of the general electives must be taken outside the School of Business Administration. A minimum of 54 sem. hrs. of all academic work must be at the 300-400 level.

FACULTY

Eugene Gomolka, *Chairperson*

Professor Emeritus: Darr

Professors: Gomolka, Gould

Associate Professors: Lee, R. Miller, Schenk, Tewari

Assistant Professors: Berger, Bickford, Chittipeddi, Dehler, V. Miller

Adjunct: S. Quinn

COURSES OF INSTRUCTION

MGT 203. BUSINESS LAW I: Introduction to the legal system and judicial process as they affect the business community. Development of legal reasoning in substantive law of contracts, torts, and agency. 3 sem. hrs.

MGT 304. BUSINESS LAW II: Development and application of the Uniform Commercial Code as addressing legal reasoning in substantive areas of commercial paper and sales. 3 sem. hrs.

MGT 305. MANAGEMENT AND ORGANIZATION: Analysis of the general nature and functions of management with emphasis on planning, organizational behavior, and individual behavior within modern organizations. Prerequisite: Junior standing. 3 sem. hrs.

MGT 308. ENTREPRENEURSHIP AND SMALL BUSINESS MANAGEMENT: Basic management and business functions of small firms which are independently owned and operated and not dominant in their fields of operation. Prerequisite: MGT 305. 3 sem. hrs.

MGT 314. PERSONNEL AND HUMAN RESOURCE MANAGEMENT: Study of the basic personnel management functions—employment, wage and salary administration, training and development, labor relations, health and safety, and organizational and personnel planning—and their related policies. Prerequisite: MGT 305.

3 sem. hrs.

MGT 380. ORGANIZATION THEORY AND DESIGN: A study of the schools of management, their theories and/or principles, and the problems and issues surrounding them. Prerequisites: MGT 305, senior standing.

3 sem. hrs.

MGT 387. ORGANIZATION BEHAVIOR: Introduction to the study of organizational behavior, which concerns the behavior of people as they interact within organizations to achieve both personal and organizational goals. Prerequisite: MGT 305.

3 sem. hrs.

MGT 403. BUSINESS LAW III: Development and application of the law of property as an institution with concurrent analysis of the legal structure of the business organization as an economic and legal entity.

3 sem. hrs.

MGT 405. NEGOTIATION FOR MANAGEMENT: Consideration and analysis of conflict resolution and negotiation as applied to the practice of management. Prerequisite: MGT 305.

3 sem. hrs.

MGT 417. INDUSTRIAL RELATIONS: Interrelationships and interaction of the employer and the employee in the public and private sectors in conflict and accommodation. The structure and nature of management-union relationships and agencies created by these relationships. Prerequisite: MGT 305.

3 sem. hrs.

MGT 419. COLLECTIVE BARGAINING, MEDIATION, AND ARBITRATION: Meaning, practices, principles, and organization of collective bargaining; techniques of mediation and agencies for effective mediation; major economic problems involved in the adjustment of labor disputes. Prerequisite: MGT 305.

3 sem. hrs.

MGT 430. MULTINATIONAL CORPORATE MANAGEMENT: Introduction to multinational corporation strategies, policies, and various types of environments. Prerequisite: Senior standing.

3 sem. hrs.

MGT 440. WOMEN IN MANAGEMENT: Study of the problems women encounter when entering the predominantly male business world. Discussion includes why some bright women fail, why some do not try to compete, problems of the two-career family, sex stereotyping, and harassment. Prerequisite: MGT 305 or equivalent.

3 sem. hrs.

MGT 445. TOPICS IN HUMAN RESOURCE MANAGEMENT: Subject varies from time to time. May be taken more than once if topic changes. Prerequisite: MGT 314.

3 sem. hrs.

MGT 450. MANAGEMENT SEMINAR (HONORS): A course in research on a subject within the student's major. Open only to those who have attained a cumulative grade point average of 3.0 or above in their sophomore and junior years. Prerequisites: Senior standing; permission of chairperson.

3 sem. hrs.

MGT 460. SMALL BUSINESS CONSULTING: Application of business knowledge in resolving small business management problems. Emphasis on providing assistance and counseling to small business by giving the student an opportunity to aid in solving problems. Various techniques and methods of management consulting. Prerequisites: Senior standing; permission of chairperson.

3 sem. hrs.

MGT 471. MANAGEMENT AND SOCIETY: A business firm's relation with society. Technological change, racism, poverty, affirmative action, urban problems, and environmental concerns. Prerequisite: MGT 305.

3 sem. hrs.

MGT 476. SUPERVISORY MANAGEMENT: The basics of supervisory skills as applied to first-line and middle-level management positions. Prerequisite: MGT 305.
3 sem. hrs.

MGT 478. MANAGING TECHNOLOGY AND INNOVATION: Analysis of issues related to managing in a changing technological environment, including innovation and the management of professionals. Prerequisite: MGT 305.
3 sem. hrs.

MGT 479. MANAGING SERVICE ORGANIZATIONS: Introduction to service industries and the problems service managers face on a day-to-day basis. Prerequisite: MGT 305.
3 sem. hrs.

MGT 483. CURRENT ISSUES IN MANAGEMENT: Selected topics that consider and analyze current problems and emerging issues in the field of management and the manager's role in addressing them. Prerequisite: MGT 305.
3 sem. hrs.

MGT 489. TOPICS IN STRATEGIC MANAGEMENT: Analysis and interpretation of the strategic functions within organizations. Readings, cases, research. Prerequisites: MGT 305, senior standing.
3 sem. hrs.

MGT 490. STRATEGIC MANAGEMENT AND POLICY: The concept of organizational strategy and policy; the tasks and process of strategy formulation and implementation. Case method and/or computer simulation. Prerequisites: Core SBA courses; senior standing.
3 sem. hrs.

MGT 491-492. HONORS THESIS: Selection, design, investigation, and completion of an independent original research thesis under the guidance of a departmental faculty member. Restricted to students in the University Honors Program with permission of the director of the program and the departmental chairperson.
3 sem. hrs. each

MGT 495. INDEPENDENT STUDY: Supervised study involving directed readings, individual research (library, field, or experimental), or projects in specialized areas of management. May be taken only once. Prerequisites: Major in MGT; senior standing; permission of chairperson.
3 sem. hrs.

MGT 497. LABORATORY WORK EXPERIENCE: Under faculty sponsorship and in association with a participating industrial, commercial, educational, health-care, or governmental organization, practical experience in work associated with the student's major or minor concentration. (See internship coordinator for details.) Permission of chairperson required.
1-3 sem. hrs.

MGT 498. COOPERATIVE EDUCATION: Optional full-time work period off campus alternating with study period on campus. (See Chapter X; consult Cooperative Education Office for details.) Permission of chairperson required.
3 sem. hrs.



MANAGEMENT INFORMATION SYSTEMS (MIS)

The Department of Management Information Systems and Decision Sciences offers instruction in several quantitative and systems areas, a major in management information systems, and a minor in decision sciences. (See DSC.)

The major in management information systems enables the student to design and maintain effective information systems in organizations. The curriculum integrates the technical knowledge of computer hardware and software and the business and organizational knowledge of the business curriculum. Heavy emphasis is placed on developing the students' writing and speaking skills in presenting the results of their work.

The curriculum prepares the graduate to assume any of a variety of positions in organizations dealing with the design, development, and maintenance of information systems as well as the education and training of users of information systems.

The curriculum consists of four major groups of courses:

1. *General Education* provides the student with a well rounded liberal education and includes such courses as history, philosophy, art, science, and English.
2. *Business* provides the student with the business and organizational concepts and skills to perform effectively in organizations.
3. *Computer Science* provides the student with the technical knowledge necessary to design effective information systems. Specifically, a three-course sequence in systems analysis, database, and data communication is required: CPS 310, 435, and 437. The prerequisites for this sequence develop programming proficiency: CPS 150, 151, and 242.
4. *Management Information Systems* integrates the knowledge gained in the previous courses to enable the student to perform effectively in an organization that designs and maintains information systems. Specifically, the major consists of MIS 375, Organizations, Decisions, and Information Systems; MIS 375L, Business Microcomputer Laboratory; DSC 312, Quantitative Business Analysis; MIS 465, 475, Analysis and Design Project I and II; and two upper-level elective courses.

The program below contains all of the requirements for the major in management information systems. There is flexibility in the sequencing of some courses—e.g., PHL 103 can be taken during either the first or the second semester; some courses listed in the first year can just as well be taken during the second year, and vice-versa; and some upper-level courses can also be taken during various terms of the junior and senior years. Consult academic advisor for sequencing options.

PROGRAM—B5: BACHELOR OF SCIENCE WITH A MAJOR IN
MANAGEMENT INFORMATION SYSTEMS (MIS)

Dept.	No.	Course	Semester Hours	
			1st Term	2nd Term
		First Year		
ENG	101-102	College Composition I and II ¹	3	3
HST	101 or 102	History of Western Civilization		3

MIS	103	Introduction to Computers and Information Systems	3	
MTH	110-111	Quantitative Analysis for Business I and II ²	3	3
PHL	103	Introduction to Philosophy	3	
SPE	101	Fundamentals of Oral Communication ³		3
—	—	General education requirements ⁴	4	3
			16	15
Sophomore Year				
ACC	207-208	Principles of Accounting I and II	3	3
CPS	150-151	Algorithms and Programming I and II	4	4
CPS	242	Introduction to File Processing		3
DSC	210-211	Statistics for Business I and II	3	3
ECO	203-204	Principles of Microeconomics and Macroeconomics	3	3
MGT	203	Business Law I	3	
			16	16
Junior Year				
CPS	310	Systems Analysis	3	
CPS	435	Management of Databases		3
DSC	312	Quantitative Business Analysis		3
DSC	316	Production/Operations Management	3	
MIS	375	Organizations, Decisions, and Information Systems	3	
MIS	375L	Business Microcomputer Laboratory	1	
FIN	301	Business Finance	3	
MGT	305	Management and Organization	3	
MKT	305	Principles of Marketing		3
—	—	Communication elective ⁵		3
—	—	General education requirements ⁴		6
			16	18
Senior Year				
CPS	437	Survey in Data Communications	3	
ECO	—	Economics elective ⁶	3	
MIS	465, 475	Analysis and Design Project I, II	3	3
MGT	490	Strategic Management and Policy		3
PHL	313	Business Ethics	3	
or				
REL	368	Christian Ethics and the Business World		
—	—	Management information systems electives ⁷	3	3
—	—	General education requirements ⁴		6
			15	15

¹Students placed in ENG 114 or 198 take a nonbusiness elective the second term.

²MTH 107 is recommended for students with insufficient knowledge of secondary mathematics. This would be an additional course for those taking it, since MTH 107 does not count towards graduation.

³Students testing out of SPE 101 will take another course offered by the Department of Communication.

⁴See General Education Requirements, Chapter V. Some general education courses are specified in the program (e.g., PHL 103); others are to be chosen from the listing of approved courses set forth in Chapter V.

⁵Select a course from the following: ENG 370, 372; COM 308, 310; SPE 312.

⁶Choose one of the following: ECO 346, 347, 441, 442, 445, 461, 471, 485.

⁷Select any MIS, DSC, or CPS 300-400 level courses in consultation with advisor.

FACULTY

E. James Dunne, *Chairperson, Department of Management Information Systems and Decision Sciences*

Prabuddha De, *Standard Register-Sherman Distinguished Professor of MIS*
Professors: De, Dunne, Ferratt, Vlahos, Wells

Associate Professors: Amsden, Bohlen, Rippy, Young

Assistant Professors: Agarwal, Casey, Ghosh, Sriram

Lecturer: Zalewski

COURSES OF INSTRUCTION

MIS 103. INTRODUCTION TO COMPUTERS AND INFORMATION SYSTEMS: The concepts of the design, development, and use of effective management information systems in organizations. Basic computer hardware and software; use of word processing, spreadsheets, and database management systems; use of microcomputers, minicomputers, and mainframes. 3 sem. hrs.

MIS 303. DECISION SUPPORT WITH MICROCOMPUTERS: Microcomputer-based information and decision support systems emphasizing database management system and spreadsheet applications. Database concepts, design techniques, and spreadsheet modeling capabilities; experience with several software packages. Prerequisite: MIS 103. 3 sem. hrs.

MIS 365. MANAGEMENT INFORMATION SYSTEMS: Survey of the theory and applications of computer-based organizational information systems. Topics include systems theory of organizations, information technology, decision support systems, and end user computing. Prerequisite: MIS 103. 3 sem. hrs.

MIS 375. ORGANIZATIONS, DECISIONS, AND INFORMATION SYSTEMS: First course in a three-course sequence integrating the technical and organizational aspects of information systems. Organizations as systems, managerial decision-making processes, and the role of information technology and systems supporting management and operations. Prerequisite: DSC 211. 3 sem. hrs.

MIS 375L. BUSINESS MICROCOMPUTER LABORATORY: Provides thorough working knowledge of microcomputer hardware and business software. Operating systems, spreadsheets, database management systems, and other selected packages. Corequisite: MIS 375. 1 sem. hr.

MIS 420. EXPERT AND KNOWLEDGE-BASED SYSTEMS: Introduction to expert and knowledge-based systems as components of MIS; knowledge acquisition, knowledge representation, and applications to business decision making. Use of PROLOG, LISP, and/or expert system software. Prerequisite: MIS 103 or equivalent. DSC 312 recommended. 3 sem. hrs.

MIS 465. ANALYSIS AND DESIGN PROJECT I: First of two-course capstone sequence. Study of the development of management information systems and decision support systems using traditional and/or prototyping methodologies. Extended case study and major student project of an existing organization's information system. Emphasis on written and oral technical communication skills. Fall term only. Prerequisites: MIS 375, CPS 310. 3 sem. hrs.

MIS 475. ANALYSIS AND DESIGN PROJECT II: Continuation of MIS 465. Spring term only. Prerequisite: MIS 465. *3 sem. hrs.*

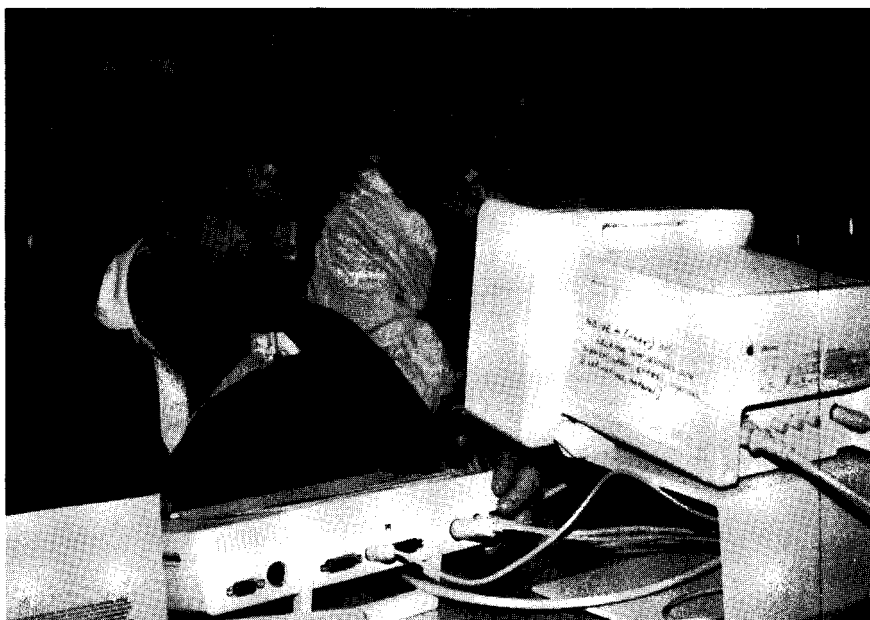
MIS 491-492. HONORS THESIS: Selection, design, investigation, and completion of an independent original research thesis under the guidance of a departmental faculty member. Restricted to students in the University Honors Program with permission of the director of the program and the departmental chairperson. *3 sem. hrs. each*

MIS 494. SEMINAR IN MANAGEMENT INFORMATION SYSTEMS: Study of selected technical and/or organizational issues in information systems. Topics vary from time to time. May be taken more than once if topics change. Title will reflect topics covered in a particular offering. *3 sem. hrs.*

MIS 497. LABORATORY WORK EXPERIENCE: Under faculty sponsorship and in association with a participating industrial, commercial, educational, health-care, or governmental organization, practical experience in work associated with the student's major concentration. (See internship coordinator for details.) Does not count toward MIS major. Permission of chairperson required. *1-6 sem. hrs.*

MIS 498. COOPERATIVE EDUCATION: Optional full-time work period off campus alternating with study period on campus. (See Chapter X; consult Cooperative Education Office for details.) Permission of chairperson required. *3 sem. hrs.*

MIS 499. INDEPENDENT STUDY: Research on a subject within the general area of management information systems. Normally open only to juniors or seniors who have attained a cumulative grade point average of 3.0 or above. Permission of chairperson required. *1-6 sem. hrs.*



MKT

MARKETING (MKT)

The marketing management concept requires a systematic approach to the discovery and satisfaction of consumer wants as a basis for successful administration. It has been broadened in recent years to include the development of organizational members to their fullest potential and the achievement of social purposes.

Although the student often enters with an interest in a single phase of marketing, the emphasis in the curriculum is on the marketing concept as stated above. Thus, any specialized activity is studied as a part of the total marketing process which in turn must be integrated with the objectives of a business firm, the functioning of an economic system, and the constraints of society.

The goal is to build specialization on a base made up of the general education required for all students and a core of courses required of students in the School of Business Administration.

Within the marketing specialization the purpose is as follows:

1. To develop a student of marketing who has the tools and the groundwork for continued study after graduation. Applications of the social sciences and quantitative techniques are stressed. Communication skills are emphasized. Understanding of institutions and nomenclature is essential.
2. To develop a practitioner of marketing with interests, attitudes, and sufficient understanding to be potentially productive at a responsible level of decision making with both domestic and international perspectives.
3. To provide marketing majors flexibility in course selection and to provide some breadth of choice among marketing courses as electives for nonmarketing majors both within and outside the School of Business Administration.

The Department of Marketing is represented through institutional or faculty memberships in the Academy of International Business, the Academy of Marketing Science, the American Academy of Advertising, the American Collegiate Retailing Association, the American Marketing Association, the Association of Consumer Research, the Audit Bureau of Circulation, the Direct Mail Marketing Association, Health Care Marketing, the Institute of Decision Sciences, Sales and Marketing Executives International, and the Southern, Midwest, and Southwest Marketing Associations.

The breadth and selection of courses available provide for either a broad coverage of marketing or specialization in the form of one or more options. Thus the student with the help of an advisor can choose any of the marketing courses in fulfilling the 18 semester hours of marketing requirements and electives. The following are among the specializations:

- Marketing Management
- Advertising
- Retailing
- Salesmanship

A major in marketing requires MKT 405, Consumer Behavior; MKT 430, Marketing Research; and four additional marketing elective courses. The courses may be used to complete one or more of the optional concentrations listed above, or they may be selected to fulfill the program developed for the particular student.

The program below contains all of the junior and senior requirements for a marketing major. There is flexibility in the sequencing of some courses. Consult academic advisor for sequencing options.

PROGRAM—B4: BACHELOR OF SCIENCE WITH A MAJOR IN MARKETING (MKT)

<i>Dept.</i>	<i>No.</i>	<i>Course</i>	<i>Semester Hours</i>	
Junior Year			1st Term	2nd Term
DSC	316	Production/Operations Management		3
ECO	—	Economics elective ¹		3
FIN	301	Business Finance	3	
MGT	305	Management and Organization	3	
MKT	305	Principles of Marketing	3	
MKT	405	Consumer Behavior		3
MKT	—	Marketing elective ²		3
PHL	313	Business Ethics		3
or				
REL	368	Christian Ethics and the Business World		
—	—	General education requirement ³	3	
—	—	General elective ⁴	3	
			15	15
Senior Year				
MGT	490	Strategic Management and Policy		3
MKT	430	Marketing Research	3	
MKT	—	Marketing electives ²	3	6
—	—	Communication elective ⁵	3	
—	—	General education requirement ³	3	
—	—	General electives ⁴	3	6
			15	15

¹Choose one of the following: ECO 346, 347, 441, 442, 445, 461, 471, 485.

²Marketing courses selected in consultation with program advisor.

³See General Education Requirements, Chapter V. Some general education courses are specified in the program (e.g., PHL 313 or REL 368); others are to be chosen from the listing of approved courses set forth in Chapter V.

⁴At least 3 sem. hrs. of the general electives must be taken outside the School of Business Administration. A minimum of 54 sem. hrs. of all academic work must be at the 300-400 level.

⁵Choose a course from the following: ENG 370, 372; COM 308, 310; SPE 312.

A minor in marketing requires MKT 305, Principles of Marketing, and 12 semester hours of additional courses in a pattern chosen in consultation with the chairperson of the Department of Marketing.

FACULTY

William S. Sekely, *Chairperson*

Distinguished Service Professor: Murphy

Professor Emeritus: Comer

Associate Professors: King, Lewis, Merenski, Oumlil, Sekely, Yates

Assistant Professors: Ahuja, Emmelhainz, Kline

Adjunct: Metzger

COURSES OF INSTRUCTION

MKT 305. PRINCIPLES OF MARKETING: The general principles and practices underlying the processes of marketing. Analysis of the environmental conditions of manufacturers, wholesalers, retailers, and other marketing agencies. Prerequisite: Junior standing. *3 sem. hrs.*

MKT 310. PRINCIPLES OF SELLING: The nature of selling, explored through the practical application of buying motives and selling techniques. Projects and role-playing to experience the preparation, closing, and post-purchase phases of selling. Prerequisite: Junior standing. *3 sem. hrs.*

MKT 315. RETAIL MERCHANDISING: Survey of the development of retailing and the impact of consumer behavior, fashion, computers, and other innovations. Structural organization, location, and layout. Merchandising operations including planning of sales, purchases, stock control, markup, and expense control. Prerequisite: MKT 305. *3 sem. hrs.*

MKT 318. RETAIL ADVERTISING AND SALES PROMOTION: Principles and practices of promotion in retail stores with emphasis on advertising, display, and sales promotion. Developing creative efforts, budgeting, and coordination of where, when, what, and how to promote. Prerequisites: MKT 305, 315. *3 sem. hrs.*

MKT 341. BUSINESS-TO-BUSINESS MARKETING: Concepts and analytical procedures associated with marketing to business. Business consumer and competitor analysis, marketing information systems, marketing research, and demand forecasting. Strategy development in product, promotion, distribution, and pricing with focus on manufacturers of business products. Prerequisite: MKT 305. *3 sem. hrs.*

MKT 405. CONSUMER BEHAVIOR: Comprehensive study of buyer decision making which offers insight into the buyer-seller relationship. Application of theories from psychology and social psychology to investigate the behavior of industrial and consumer buyers. Prerequisite: MKT 305. *3 sem. hrs.*

MKT 406. MARKETING CHANNELS: Study of marketing channels including structure, participants, legal environment, and interorganizational behaviors; channel design and management by manufacturers, wholesalers, retailers, and franchise systems; performance measurement. Prerequisite: MKT 305. *3 sem. hrs.*

MKT 408. MARKETING LOGISTICS: Principles and practices of logistics with emphasis on the framework, the environment, management, and customer service. Material management and physical distribution. Applications of logistics concepts. Prerequisite: MKT 305. *3 sem. hrs.*

MKT 411. SALES MANAGEMENT: The structure of the sales organization; determination of sales policies: selection, training, and motivation of salespersons; establishing sales territories and quotas. Prerequisite: MKT 305. *3 sem. hrs.*

MKT 417. RETAIL BUYING AND MERCHANDISING: Determining what and how much to buy, market research, and model stocks, as well as the mathematic principles involved in purchase planning, planning initial markup, terms and dating, stockturn, inventory methods. Prerequisites: MKT 305, 315. *3 sem. hrs.*

MKT 420. MARKETING COMMUNICATIONS: Comprehensive study of the marketing communications of an organization, regarding product, price, promotion, and distribution. Marketing communication viewed as a continuous process with emphasis on its behavioral aspects. Prerequisite: MKT 305. *3 sem. hrs.*

MKT 421. ADVERTISING: Nature and scope of advertising, social and economic aspects, role of research, creative strategy, media planning and selection, coordination with other marketing efforts. Prerequisite: MKT 305. *3 sem. hrs.*

MKT 430. MARKETING RESEARCH: Study of marketing information systems, research technology, value of information, research design and execution, questionnaire design, measurement and scaling, multivariable data analysis, metric and non-metric techniques, data interpretation, computer applications, and writing and interpreting research reports. Prerequisites: MKT 305, DSC 210-211. *3 sem. hrs.*

MKT 440. MULTINATIONAL MARKETING: Emphasis on understanding foreign marketing environments, developing skills of foreign market analysis, designing and developing appropriate marketing strategies for foreign markets, decision making in multinational marketing. Prerequisite: MKT 305. *3 sem. hrs.*

MKT 445. SPECIAL TOPICS IN INTERNATIONAL MARKETING: Study abroad program. Subject varies from time to time. May be taken more than once if topic changes. Prerequisite: Junior standing. *3 sem. hrs.*

MKT 451. MARKETING POLICIES AND STRATEGIES: Integration course in marketing with emphasis on managerial decision making. Quantitative analysis for decision making regarding products, distribution systems, promotion strategies, and pricing decisions. Prerequisites: 12 sem. hrs. of marketing including MKT 305. *3 sem. hrs.*

MKT 491-492. HONORS THESIS: Selection, design, investigation, and completion of an independent original research thesis under the guidance of a departmental faculty member. Restricted to students in the University Honors Program with permission of the director of the program and the departmental chairperson. *3 sem. hrs. each*

MKT 494. SPECIAL TOPICS IN MARKETING: Subject varies from time to time. May be taken more than once if topic changes. Prerequisite: Varies with topic. *3 sem. hrs.*

MKT 497. LABORATORY WORK EXPERIENCE: Under faculty sponsorship and in association with a participating industrial, commercial, educational, health-care, or governmental organization, practical experience in work associated with the student's major or minor concentration. (See internship coordinator for details.) Permission of chairperson required. *1-3 sem. hrs.*

MKT 498. COOPERATIVE EDUCATION: Optional full-time work period off campus alternating with study period on campus. (See Chapter X; consult Cooperative Education Office for details.) Permission of chairperson required. *3 sem. hrs.*

MKT 499. PROBLEMS IN MARKETING: Study of one or more specific aspects of the marketing process with emphasis on individual reading and research. Subject matter to be determined by the instructor on the basis of interest and need of the student. Enrollment limited. Permission of chairperson required. *3 sem. hrs.*

TEACHER CERTIFICATION

SCHOOL OF BUSINESS ADMINISTRATION BACCALAUREATE PROGRAM WITH TEACHER CERTIFICATION (E11B)

Students matriculating in the School of Business Administration may enroll in the teacher education program (Secondary Education Program) of the School of Education without transferring to the School of Education. For requirements in professional education courses and in teaching fields consult the chairperson of the Department of Teacher Education.

Enrollment in the E11B program is subject to the admission requirements, counseling, maintenance of a unified system of records, screening, and other provisions standard for regular students of the School of Education working toward the Bachelor of Science in Education. These include maintaining at least a 2.5 average in the principal teaching field and in professional education courses and taking the comprehensive National Teacher Examinations (NTE). Upon acceptance into the program each student is assigned an education advisor for counseling on certification requirements.

In order to finish in four years, students in the School of Business Administration will need to process their applications for admission to the teacher education program no later than the third semester of matriculation, at which time the professional education sequence should begin. Failure to enroll on time could necessitate going beyond the normal four years to qualify for teacher certification and graduation. The requirements for the School of Business Administration as well as the requirements designated by the School of Education and the State of Ohio for secondary school certification must be completed before any degree is granted. Students must complete 300 hours of field/clinical experience before student teaching.

Students who have completed the proper course requirements may register for student teaching in the eighth semester (provided their applications for student teaching are duly processed at the beginning of the semester directly prior to student teaching and they have passed the normal screening procedure).

Students who have completed the requirements for teacher certification should make application for the standard four-year Provisional Ohio Teaching Certificate through the Office of the Dean, School of Education. See also EDT, Chapter VIII.

PROGRAM E11B: SECONDARY SCHOOL TEACHING CERTIFICATION

Dept.	No.	Course	Semester Hours	
			1st Term	2nd Term
First Year				
MIS	103	Introduction to Computers and Information Systems	3	
EDT	110	The Profession of Teaching ¹		3
ENG	101-102	College Composition I and II ²	3	3
HST	101 or 102	History of Western Civilization	3	
MTH	110-111	Quantitative Analysis for Business I and II ³	3	3
PHL	103	Introduction to Philosophy	3	
SPE	101	Fundamentals of Oral Communication ⁴	3	
—	—	General education requirements ⁵		7
			18	16

Sophomore Year

ACC	207-208	Principles of Accounting	3	3
DSC	210-211	Statistical Analysis for Business I and II	3	3
ECO	203-204	Principles of Microeconomics and Macroeconomics	3	3
EDT	207	Child and Adolescent in Education	3	
EDT	208	Teaching and Learning ¹		3
MGT	203	Business Law I	3	
—	—	General education requirements ⁵	3	3
			18	15

Junior Year

ECO	—	Economics elective ⁶		3
EDT	318	Human Relations in Education ⁷	2	
EDT	351	School, Self and Society ¹	3	
FIN	301	Business Finance	3	
MGT	305	Management and Organization		3
MKT	305	Principles of Marketing	3	
PHL	313	Business Ethics		3
or				
REL	368	Christian Ethics and the Business World		
—	—	Required major field courses ⁸	6	6
—	—	General education requirement ⁵		3
			17	18

Senior Year

DSC	316	Production/Operations Management	3	
EDT	404	Business Education in Secondary School	4	
EDT	419	Philosophy of Education		3
EDT	420	Student Teaching: Secondary		10
EDT	469	Reading in the Content Areas	2	
MGT	490	Strategic Management and Policy	3	
—	—	Required major field courses ⁸	6	
			18	13

¹Field experience; register for EDT 100.²Students placed in ENG 114 or 198 take a nonbusiness elective the second term.³MTH 107 is recommended for students with insufficient knowledge of secondary mathematics. MTH 107, however, does not count towards graduation requirements.⁴Students testing out of SPE 101 will substitute a nonbusiness elective.⁵See General Education Requirements, Chapter V. Some general education courses are specified in the program (e.g., PHL 103); others are to be chosen from the listing of approved courses set forth in Chapter V.⁶Choose one of the following: ECO 346, 347, 441, 442, 445, 461, 471, 485.⁷Not required for students with management major, who take MGT 387.⁸For students majoring in economics, finance, management, or marketing. Students majoring in accounting must complete a total of 24 sem. hrs. of required major field courses. The E11B program is not available to those majoring in management information systems.

The sample program above prepares the student for certification in book-keeping and basic business and typing. Additional certification is available with the inclusion of a few other courses. Consult checksheets and academic advisor. Students are encouraged to take 6 semester hours of typing to qualify for an endorsement in typing/keyboarding; this facilitates student teaching placement and obtaining a teaching position. Courses must be taken off campus and a transcript provided.

