

College of Business Administration

202 Business Administration Building

Telephone: (256) 824-6735

Email: BusinessDean@uah.edu

Degrees:

Master of Business Administration

Master of Accountancy

Master of Science in Information Systems

Master of Science in Information Assurance and Security

Dean: Caron St. John, BS, MBA, Ph.D., Professor of Management

Associate Dean: J. Daniel Sherman, B.S., M.A., Ph.D., Professor of Management

Accounting and Finance

350 Business Administration Building

Telephone: (256) 824-6159

Email: burnettj@uah.edu

Chair: John Burnett, Associate Professor

Professors:

Billings, C.D., (Emeritus) government financial management

Evans, D.A., behavioral finance

Associate Professors:

Bryson, R.E., Jr.; (Emeritus) financial accounting

Burnett, J.E., investments, behavioral finance

Rose-Green, E., financial accounting

Xing, X. corporate finance, financial markets and institutions

Assistant Professor:

Alewine, H., management accounting

Allport, C., financial accounting, auditing

Gamble, K.F., financial accounting and auditing

Shen, M., accounting information systems

Clinical Assistant Professor:

Hickman, C.F. taxation, business law

Economics and Information Systems

333 Business Administration Building

Telephone: (256) 824-6590

Email: wilhitea@uah.edu.

Chair: Allen Wilhite, Professor

Professor and Eminent Scholar:

Gupta, J., supply chain management, e-business, IS strategy, management science

Professors:

Bond, M.S., (Emeritus); comparative economic systems and history of economic thought

Paul, C.W. II, (Emeritus), applied microeconomic theory, public choice

Schnell, J.F., industrial relations, labor economics

Schoening, N.C., (Emeritus) regional economics

Wilhite, A.W., computational economics, agent-based modeling

Associate Professors:

Allen, W.D., applied microeconomics, labor economics

Li, X., supply chain effectiveness, data base management

Mok, W.Y., workflow design, database management

Patnayakuni, R., information systems, supply chain management

Assistant Professors:

Hartono, E., decision support systems, systems analysis & design

Liu, D., information assurance
Orman, W., labor economics, economics of religion and econometrics

Lecturer:

Deverapalli, C., network administration

Management and Marketing

355 Business Administration Building

Telephone: (256) 824-6680

Email: mackayj@uah.edu

Chair: TBD

Professors:

Berkowitz, D., marketing strategy, new product development

Gramm, C.L., industrial & labor relations, human resource management

McCollum, J.K., (Emeritus), labor relations, organizational theory

Sherman, J.D., organizational behavior, theory, management of R&D

Souder, W.E., (Emeritus), management of technology

St. John, C., strategic management, entrepreneurship

Tseng, F.T., management science, production/operations management

Research Professor:

Rhoades, R.G., management of R&D

Associate Professors:

Bao, Y., consumer behavior, international marketing

Fong, E., strategic management

Landry, T.D., Customer relationships and interpersonal dynamics in sales and service encounters

Wren, B.M., market research, sales, business-to-business marketing

Associate Research Professor:

Ballenger, J.P., management science

Assistant Professors:

Burns, L., supply chain management

MacKenzie, W., strategic management, human resource management

Assistant Research Professor:

Harris, G., supply chain management

Clinical Assistant Professors:

Cates, J., business law

Rieder, R., business law

Woodward, W., business law

Lecturer:

Pettit, J., marketing

Accreditation and Membership

The Bachelor of Science in Business Administration (BSBA), the Master of Accountancy (M.Acc.), the Master of Business Administration (MBA), and the Master of Science in Management Information Systems (MS-MIS) programs offered by the College of Business Administration are accredited by AACSB International - The Association to Advance Collegiate Schools of Business.

The AACSB International is a not-for-profit organization consisting of more than 900 educational organizations and corporations. Its mission is excellence in business administration and management education in colleges and universities. Organized in 1916, AACSB International is the premier accrediting agency for bachelor's, master's and doctoral degree programs in business administration and accounting.

The College is a member of the Association for University Business and Economic Research (AUBER). Organized in 1947, AUBER is the professional association of business and economic research organizations in universities.

The College is a member of the Alabama Small Business Development Consortium (ASBDC). The ASBDC provides management counseling and training to small business owners throughout Alabama.

Mission

The UAHuntsville College of Business Administration prepares students to lead and manage integrated and innovative organizations, creates business knowledge through rigorous research, and shares knowledge with the academic community as well as with enterprises in the public and private sectors.

Center for the Management of Science and Technology (CMOST)

141 Shelby Center

Telephone: (256) 824-6407

Email: cmost@.uah.edu

The Center for the Management of Science and Technology's broadest goal is to improve the state-of-the-art in the management of organizations that are substantially impacted by science and technology. Specifically, CMOST is devoted to the development of new practices appropriate for the management of high technology commercial and governmental organizations. CMOST conducts research to develop new management strategies, techniques and competencies to help firms manage the high risks and uncertainties that characterize Huntsville's high technology industry. In addition, the Center's staff does contract research on business, management and economic problems for governmental organizations and private industry.

Center for Management and Economic Research (CMER)

130 Shelby Center

Telephone: (256) 824-6990

Email: cmer@.uah.edu

The center stimulates expansion of the Huntsville metropolitan area's economy by helping managers define and realize growth opportunities and solve specific problems. It serves organizations through consultative assistance, training programs, and applied research in business, economic, and public policy including disseminating economic information.

NorthEast Alabama Regional Small Business Development Center

126 Business Administration Building

Telephone: (256) 535-6422

Email: SBDC@uah.edu

The NorthEast Alabama Regional Small Business Development Center (NEAR SBDC) provides assistance to small businesses and aspiring entrepreneurs. The mission of NEAR SBDC is to help small businesses survive and grow. The Center provides four types of assistance: business management counseling, startup counseling, training/workshops, and a resource library.

Small business owners or managers receive professional assistance and direction in operating a business profitably. This may include counseling in one or more of the following areas: financial capital, business planning, personnel, record keeping, licensing, taxes, intellectual property, government procurement, governmental regulations, marketing, commercialization, small business innovation and research programs, market research, inventory control, or how to conduct a feasibility study. Small business reference materials (books and videos) are maintained in the NEAR SBDC reference library. Small business owners and entrepreneurs may visit the center and use business planning guides, watch or check out one of more than two dozen videos on business management, or work interactively with Internet, electronic data interchange demos, and electronic commerce demos. For additional information, contact the SBDC at 126 Business Administration Building, University of Alabama in Huntsville, Huntsville, AL 35899.

Executive Education Program

The executive education program is designed to assist the members of the business, industry, and governmental communities in keeping abreast of changes in a complex environment. The College of Business Administration offers a blend of management educational programming ranging from one-session

seminars on specific problems to a substantial sequence of classes custom tailored for corporate and governmental audiences. For more information, contact the Executive Education Program Office. Mail: BAB 202, UAH, Huntsville AL 35899. Phone: (256) 824-6735. FAX: (256) 824-6328. Email: executiv@uah.edu.

Graduate Degrees and Programs

Graduate study in the College of Business Administration brings together faculty and graduate students in a collaborative learning environment. All degree candidates plan a Program of Study with the Graduate Program Director. Students select graduate electives, in consultation with graduate faculty members, fitted to their particular interests and needs. The College's graduate programs are designed primarily for working professionals.

The College of Business Administration offers programs leading to the MBA, the Master of Accountancy, the Master of Science in Information Systems, and the Certificate in Information Assurance. An applicant for graduate study must meet both the general requirements of the University of Alabama in Huntsville Graduate School and the standards set by the program to which the student is seeking admission. Successful applicants are admitted to a specific program of study as specified on the graduate application. A student who wishes to pursue a new degree or change the major field of study is required to submit a new graduate application.

Graduate business programs offered by the University of Alabama in Huntsville are accredited by AACSB International-The Association to Advance Collegiate Schools of Business. A graduate program that permits more than 50 percent of degree requirements in traditional business subjects must meet the AACSB International accreditation standards for a business degree. Such a program will be reviewed by the Dean of the College of Business Administration, or the Dean's designee, to determine if it meets AACSB International standards.

Course Load

The usual course load for a full-time graduate student is from 9 to 12 semester hours. Students who are employed full time should seek counsel from the Graduate Program Director before enrolling in more than 6 semester hours per semester. Once admitted, students are expected to make satisfactory progress toward the degree, with such progress defined as the satisfactory completion of at least 3 courses during each 12-month period following admission.

Graduate Assistantships

A limited number of graduate assistantships are available on a competitive basis to full-time students. Students interested in a graduate assistantship are encouraged to apply by the preferred date for all materials. Graduate Research Assistantships (GRA) in the College are made available through an externally funded grant or contract. They may require up to half-time (20 hours per week) service to the College, carry a stipend, and have 9 hours of their tuition paid. GRAs do research under the supervision of a faculty member. Because GRAs assist faculty with specific research activities, the ability of applicants to assist with these specific activities is considered when awarding assistantships. Assistantship applications are available from the Associate Dean of the College.

Time Limit

All requirements for the masters degrees in the College of Business Administration must be completed in 6 years or less. In the event a student does not complete the degree requirements in 6 years, the student may petition for an exception for courses completed at UAHuntsville over six years ago but within the last 10 years. The petition must be approved by the College's Graduate Assessment & Curriculum Committee (GACC) and by the Dean of the Graduate School.

If an exception is granted, any course completed at UAHuntsville more than 6 years but less than 10 years before the completion of all requirements for the degree must be validated by a special examination. Such an examination, given by the faculty of the discipline in which the course was offered, can be taken only

once and will be the equivalent of a comprehensive final examination in the course. When the student passes the examination, the course is considered valid through the tenth year. Credit for courses transferred from other institutions cannot be validated at UAHuntsville and must have been earned within the 6-year period. Instead of requesting an exception for a course more than 6 years old, the student may substitute another course taken within the 6-year limit, subject to approval by the Graduate Program Director. If a course is substituted, a new Program of Study must be filed.

Business Practice Opportunities

Students who have no meaningful work experience or who would like to enhance their work experience have several options to do so while they are in the College's graduate programs. In an internship students earn credit for working approximately 10 hours per week in a position relevant to their career preferences. Students interested in the internship program should contact the Graduate Program Director for the requirements to participate, and the College's Internship Coordinator, for opportunities.

Co-operative Education is designed to provide relevant paid employment experiences that integrate, complement, and enhance the student's academic program. Students are placed in co-op positions in a variety of business settings, including government agencies, financial institutions, social agencies, accounting firms, entrepreneurial companies, and many others. The Co-op Office is responsible for placing qualified students with qualified employers. The Co-op Office is also responsible for ensuring students make satisfactory progress toward their degrees, receive relevant work experience, and earn competitive wages for the work they perform. To learn more, contact the Co-op Office, 110 Madison Hall, 824-6741, or through the Web at <http://www/uah.edu/coop/>.

Graduate Division Courses

Only students admitted to the graduate school may enroll in courses numbered 500 to 599. Baccalaureate candidates may register for a dual course number in the 400 to 499 series. Additional work and demonstration of depth of knowledge will be required of the graduate student registered in a 500 level course. Courses numbered 600 to 699 are designed for graduate students only. Students may not enroll in courses numbered 600 and above in the College of Business Administration unless they have been admitted to the Graduate School.

Master of Business Administration

Purpose

The Master of Business Administration (MBA) program is designed as a specialized graduate degree in business administration offering a unique education in the management of technology. The educational emphasis of the program builds upon knowledge and skills in all of the business disciplines to prepare students to apply them to the special needs of the technology based and technology-impacted organizations in the Huntsville region and beyond.

The MBA program was fashioned to be an interdisciplinary program in business for practicing administrators, primarily for early- and mid-career managers. The typical student has an educational background in business, engineering, or science, but aspires to mid-level and upper-level managerial positions in organizations in technology-driven environments. The curriculum is designed to accommodate students from engineering, science, the liberal arts and other non-business backgrounds. The students in this program are more mature than traditional full-time students. Most have been out of school and employed full-time from five to fifteen years. They aspire to upward career mobility or are seeking to change career paths.

The MBA program is recognized internationally through accreditation by AACSB International-The Association to Advance Collegiate Schools of Business and nationally by the National Research Council when it named the program as one of nineteen programs in the nation with a major thrust in the management of technology.

The MBA program emphasizes the development of integrative systems thinking skills in order to build

capable, creative managers able to face successfully both external challenges such as rapid technological change and increasing environmental complexities, and internal issues such as changing employee expectations and methods of increasing productivity.

The program orients students to the rigors of holistic thinking about technology-driven problems and opportunities, introduces students to concepts and tools from all the business disciplines to operate in a technological environment, draws on the expertise of managers from the technology-based and technology-impacted firms in the Huntsville area who daily face technology problems, and instills a commitment to teamwork. The program recognizes the influence of computer technology on all management processes by thoroughly integrating computer applications into coursework. It increases skills in information management through the use of computerized classrooms, laboratories and computer-assisted instruction.

The curriculum provides instruction in financial reporting, analysis and markets; domestic and global economic environments of organizations; creation and distribution of goods and services; and human behavior in organizations. It provides advanced study in decision science and human aspects of organizational problem-solving. It provides education in managing technological innovations and processes, and integrating technology into the organization's strategic objectives. It addresses such issues as analyzing problems through economic and financial frameworks, developing and using information systems, providing information on accounting costs, marketing, managing the development of technology, reducing new product development time, managing technical professionals, and integrating technology into the overall strategic objectives of the organization.

Admission Procedures

Individuals who are interested in obtaining application forms and information concerning admission procedures should contact the College's Director of Graduate Programs, Room 102, Business Administration Building. The telephone number is (256) 824-6681. The email address is gradbiz@uah.edu. The College's home page can be accessed at <http://cba.uah.edu>.

Admission to the MBA program is granted to students who show high promise of success in graduate management study and who hold baccalaureate degrees from approved institutions. Individuals with baccalaureate degrees in any field of study are eligible to apply to the MBA program. Students may have backgrounds in such diverse fields as engineering, science, business, liberal arts, education, and healthcare. Highly qualified science and engineering students seek the MBA degree to broaden their educational backgrounds and to prepare for careers in management. Highly qualified business students seek the MBA degree to prepare for technology-based or technology-impacted management positions.

Admission to the program is competitive. It is based on an applicant's undergraduate academic performance and scores on the Graduate Management Admission Test (GMAT). Scores on the Test of English as a Foreign Language (TOEFL) are required for the applicant whose native language is not English.

The GMAT measures general verbal, mathematical and analytical writing skills that are developed over a long period of time and are associated with success in the first year of study at graduate schools of management. The GMAT does not presuppose any specific knowledge of business areas. The GMAT is a Computer Adaptive Test (CAT) given throughout North America and at many international sites. The test is administered through individually scheduled appointments. Applicants may arrange to take the GMAT by applying on the Web at <http://www.mba.com>.

In order for applicants to receive full consideration from the admissions committee, all applications materials (graduate application, official copies of all transcripts, and official GMAT score report) should be received in a timely manner. Use the following dates as a guideline: The deadline for international students is earlier.

<i>For admission in</i>	<i>Preferred date for all materials</i>	<i>The latest date for all materials</i>
Fall semester	June 1	August 1

Spring semester	October 1	December 1
Summer term	March 1	May 1

There is no guarantee that materials received after the latest guideline dates will be processed in time for enrollment in the next semester. Incomplete applications that cannot be processed will be considered for the following semester. Applicants should allow about three weeks from the date the GMAT is administered for official scores to reach the College. Adequate lead time should also be allowed for the receipt of official transcripts from other universities.

International Students

If admitted, most international students whose native language is not English must take an English Language Placement Test when they arrive. Any English language deficiencies must be remedied through required English as a Second Language (ESL) courses which must be taken beginning in the first semester. For exceptions to this requirement, see the section on Graduate Admissions Information.

All international students must have their transcripts evaluated by a foreign credential evaluation service to determine the U.S. equivalency of their degrees and coursework. Several services provide these evaluations, including World Education Services (WES), P.O. Box 745, Old Chelsea Station, New York, NY 10113-0745. Applicants should request both an evaluation of degree equivalency and a course-by-course evaluation. International students must submit all application materials to the graduate admissions office by April 1 (September 1) for fall (spring) desired enrollment.

Advisement and Registration Procedures

After being admitted to the program, each student should meet with the MBA Program Advisor to outline a degree program, including choice of electives. Each student must file a Program of Study before the completion of 12 hours of graduate work. Before enrolling in any course, students should be aware of the prerequisites for the course and make sure they have completed them.

A major premise underlying counseling at the graduate level in the College of Business Administration is that each student will act in his/her own best interest and that the student will use the advice provided to self-select into courses if the student's knowledge is weak in an area, even if the student has prior credit for the topic.

Transfer Credit

Courses taken at the graduate level which are transferred to satisfy courses in the business administration core areas are excluded from the UAHuntsville policy on the maximum number of hours permitted to be transferred. For the transfer credit policy applicable to courses beyond the business administration core areas, please refer to the section of this catalog entitled School of Graduate Studies, The Master's Degree, Transfer Credit. Students may transfer up to 12 semester hours of acceptable graduate credit earned in Defense Acquisition University courses recommended by the American Council on Education in the graduate degree category.

Advanced Standing

Students with the academic preparation in basic skills (written and oral English communication, quantitative analysis, and computer usage) and the business administration core areas may be granted advanced standing in the MBA program. Most students entitled to such credit hold baccalaureate degrees in business administration from accredited institutions. Students may be granted equivalent credit for any or all of the courses by having completed equivalent coursework with a minimum grade of "C". At the time a student is admitted to the program, the transcript is reviewed to determine if these courses have been satisfied. The MBA program may consist of as few as 33 graduate hours for students who receive equivalent credit for all of the courses in the basic skills and business administration core areas.

Degree Requirements

A. Program Requirements

In addition to meeting all degree requirements established by the School of Graduate Studies, all candidates for a MBA degree must meet the conditions of one of the following two plans for the program of study to be eligible for graduation:

Plan I – MBA thesis option:

1. Attainment of basic skills;
2. Completion of the business administration core areas;
3. Completion of 33 graduate semester hours;
4. Completion of the required advanced curriculum;
5. Completion of six hours of thesis;
6. A minimum “B” average for all degree credit coursework;
7. Submission of an acceptable thesis describing original research;
8. Successful completion of the final comprehensive examination on the coursework and thesis.

Plan II – MBA non-thesis option:

1. Attainment of basic skills;
2. Completion of the business administration core areas;
3. Completion of 33 graduate semester hours;
4. Completion of the required advanced curriculum;
5. Completion of six hours of graduate electives;
6. A minimum “B” average for all degree credit coursework;
7. Successful completion of MGT 698 with a grade of A or B (including an average of at least B on individual components).

B. Basic Skills Curriculum

Basic skills in (1) written and oral English communication; (2) quantitative analysis; and (3) computer usage must be achieved either by prior experience and education or as part of the MBA curriculum. The following list constitutes the courses at UAHuntsville most frequently used to provide students with basic skills in the three areas:

EH 101 and 102 (English Composition)	6 hrs.
MA 120 (Math Applications II)	3 hrs
MSC 287 (Statistics)	3 hrs
IS 146 (Computer Usage)	3 hrs
	15 hrs

There are many variations in the content of statistics courses. While a student who has had a statistics course previously and earned a “C” or better can be exempted from MSC 287, the course may not have covered all the topics found in MSC 287. A student should self-select into MSC 287 if the student does not have a working knowledge of probability and hypothesis testing.

C. Computer Proficiency Requirement

As part of program requirements, each MBA student must be proficient with basic computer skills that include the use of operating systems, word processing, spreadsheet, and presentation software applications common to all modern computer applications. Because skill in the use of these applications is critical to the student’s success in graduate school as well as in a management career, students with deficiency in computer skills will be required to take appropriate computer courses until the deficiency is removed. Students with deficiency in computer skills will be advised at the time of their admission.

D. Business Administration Core Areas Curriculum

The MBA curriculum includes instruction in the following business administration core areas: financial reporting, financial analysis, financial markets, domestic and global economic environments of organizations, creation and distribution of goods and services, and human behavior in organizations. Coverage of these business administration core areas requires 15 graduate semester hours. The AACSB

requires each student to complete this curriculum to receive an AACSB-accredited master's degree in management. UAH satisfies this curriculum standard through the following graduate courses:

ACC 600	Foundations of Accounting for Managers	3 hrs
ECN 600	Foundations of Economics	3 hrs
MGT 600	Organizational Theory, Behavior & Environment	3 hrs
MKT 600	Survey of Marketing Management	3 hrs
MSC 600	Operations Management	3 hrs
		15 hrs

Any part of this business administration core areas curriculum requirement may be completed at the undergraduate level. A student may be waived from a core area course by having completed approved substitute undergraduate coursework with a minimum grade of "C". At the time a student is admitted to the program, the transcript is reviewed to determine if any of the core area courses have been satisfied.

Core Area Course	UAH Courses Needed to Waive
ACC 600	ACC 211 and ACC 212
ECN 600	6 hours of economics
MGT 600	BLS 211 and MGT 301
MKT 600	MKT 301
MSC 600	MSC 288 and MSC 385

E. Advanced Curriculum

The advanced curriculum focuses on the management of technology, and consists of the following courses:

MGT 601	Intro. To Technology Development	3 hrs
MSC 603	Quantitative Methods	3 hrs
ACC 602	Managerial Accounting	3 hrs
ECN 626	Managerial Economics & Technology	3 hrs
FIN 601	Financial Decisions Under Uncertainty	3 hrs
MKT 604	New Product Development	3 hrs
MGT 622	Management of Technical Professionals	3 hrs
	or	
MGT 631	Strategic HRM in Technological Environment	
MGT 698	Strategic Management	3 hrs
	Electives	9 hrs
	Students following Plan I select 6 hours of thesis	
	Students following Plan II select 9 hours of graduate electives	
		33 hrs

F. Potential Concentrations in the MBA Program

Students may take nine hours of graduate electives consistent with their professional development aspirations. Students may also choose to develop a concentration in a specific area. These include the following:

Acquisition Management. Through an agreement between UAH and Defense Acquisition University, the student may take up to 12 semester hours of graduate level courses from DAU and apply these courses toward the MBA degree to create a concentration in Acquisition Management.

Finance. In addition to the required Finance course, FIN 601, students may take nine hours of 500 level elective Finance courses in order to create a concentration in Finance.

Marketing. In addition to the required Marketing course, MKT 604, students may take MKT 606 plus six hours of 500 level elective Marketing courses in order to create a concentration in Marketing.

Human Resource Management. In addition to MGT 631, students may take nine hours of 500 level HRM

courses in order to create a concentration in HRM.

Project Management. In addition to MGT 640, six hours of engineering management courses can be used to develop a concentration in project management.

Logistics and Supply Chain Management. Students may take nine hours of graduate logistics and supply chain management courses in order to develop a concentration in Supply Chain Management.

Federal Contract Accounting. To develop a concentration in Federal Contract Accounting students may take ACC 540, ACC 541 and one of the following: MGT 501, MGT 503 or MGT 506.

Entrepreneurship. To develop a concentration in Entrepreneurship students should take MGT 505, FIN 510, and MKT 565.

G. Strategic Management Requirement

Formally the curriculum includes two courses, Introduction to Technology Development (MGT 601) and Strategic Management (MGT 698) as the primary means of integrating the core areas and applying cross-functional approaches to organizational issues. MGT 601 is the first course in the curriculum beyond the core and sets the stage for the integration of the courses that follow. MGT 601's integration goals include introducing students to holistic management of technology issues, assisting students in acquiring an integrative systems approach to thinking about and managing the organizational impacts of technologies, especially emerging technologies, and introducing students to key management processes and process thinking.

MGT 698 plays the capstone role of integration. The primary mechanism is the use of strategic management cases. By presenting organization-wide cases with interrelated, multi-functional, complex, and unstructured problems, the faculty requires students to use the specific knowledge and skills from the core areas to analyze each case and to make comprehensive recommendations to solve the problems uncovered by the analysis. The course also heightens the students' appreciation of the organization-wide perspective of the Chief Executive Officer (CEO). Additionally, the course is designed to help students understand and appreciate how a business fits into its environment and the world at large.

The faculty's goal is to produce graduates who are integrative, systems thinkers, or horizontal, as opposed to vertical, thinkers. Graduates should be able to think about and solve problems that cut across organizational boundaries and involve organizational processes. Graduates should be boundary-spanning problem solvers whether those boundaries are within the organization or external to it.

Course Scheduling

Classes in the fall and spring semesters meet one night per week from 5:30 pm to 8:20 pm. The summer term consists of two successive five-week sessions. In each session, classes meet two nights per week from 5:30 pm to 8:50 pm.

A proper sequence of courses is necessary to ensure students receive the maximum benefit from their degree program. The sequence enables faculty to presume that students have certain background knowledge when they enter courses. In cases where the student's undergraduate degree included extensive coursework in a discipline, the Graduate Director may recommend the substitution of a higher level course in place of a required course in the Program of Study. Contact the Graduate Program Director to establish a sequence to fit individual needs. In general, the following is recommended:

1. Complete the basic skills requirements before enrolling in any business administration core areas. The skills may be achieved by completing undergraduate courses, presenting prior experience or by passing departmental validation examinations;
2. Complete the courses in the business administration core areas;
3. Complete MGT 601, Introduction to Technology Development, in the first semester that advanced courses are scheduled;
4. Complete MKT 604 after MGT 601;
5. MGT 698, Strategic Management, is the capstone course and draws on the entire curriculum. Complete MGT 698 after the other 600-level courses and preferably in the last semester of the program.

Students may begin the program in the fall or spring semester or the summer term.

Master of Accountancy

Purpose

Accounting careers vary widely in today's complex, global economy. Graduates may find themselves tracking illegal funds for the FBI to preparing financial statements for multi-billion dollar firms. Generally, accounting career paths can be described as financial reporting, assurance, budget analysis, management accounting, tax accounting, and federal contract accounting. Accountants may work for public accounting firms, public or private corporations, governments at all levels, or for themselves in private practice.

The purpose of the Master of Accountancy program is to provide students an academically rigorous course of study in accounting necessary for successful careers in professional accountancy in public, private, non-for-profit, and federal government accounting. Students have the flexibility to become educationally prepared for recognized certifications.

The program is designed to satisfy the 150 semester hours required by the Alabama State Board of Public Accountancy for Certified Public Accountant (CPA) examination candidates. The program exceeds the educational requirements for membership in the American Institute of Certified Public Accountants (AICPA), as well as those to sit for the Certified Management Accountant (CMA) and Certified Internal Auditor (CIA) examinations.

Qualified undergraduate accounting graduates may be able to complete the requirements for the MAcc degree in one additional year of full-time course work beyond the bachelor's level, in what is called the 4 + 1 program. Individuals interested in the MAcc program should contact the Graduate Program Director, 102 Business Administration Building, (256) 824-6681. For more information on the 4 + 1 program, refer to the UAHuntsville Undergraduate Catalog.

Application Procedures

Admission procedures are the same as for the MBA program.

International Students

Requirements for admission are the same as those for the MBA program.

Degree Requirements

The MAcc program normally consists of 33 semester hours of graduate coursework. The program includes a minimum of 18 semester hours of accounting (including at least 15 hours at the 600-level) and a minimum of 12 semester hours in other disciplines (including at least 9 hours at the 600-level). The accounting theory class, ACC 680, should be taken toward the end of the student's program, must be taken at UAHuntsville, and must be completed with a grade of A or B (including an average of at least B on all individual components). A maximum of 12 semester hours of graduate work may be transferred from another institution.

There are four tracks in the MAcc program: two stand-alone tracks plus two 4 + 1 program tracks. The 4 + 1 tracks include 4 years of undergraduate study plus 1 year of graduate study. The four tracks are (1) CPA Preparatory with an Emphasis in Assurance and Financial Reporting (4+1 Program), (2) CPA Preparatory with an Emphasis in Taxation (4 + 1 Program), (3) General Accounting, and (4) Information Systems Audit and Control (ISAC).

Program prerequisites may be satisfied by either of the following: (a) possession of a Bachelors degree in accounting from an AACSB accredited institution or (b) possession of a Bachelors degree and satisfactory (i.e., "C" or higher) completion of the following list of basic skills, business core, and accounting courses. Accounting prerequisites vary somewhat depending upon the track a student selects.

Basic skills and business core applicable to all MAcc tracks:

Written and oral communications

6 hrs

Calculus	3 hrs
Microcomputing	3 hrs
Statistical analysis	3 hrs
Legal environment of business	3 hrs
Principles of accounting (financial and managerial)	6 hrs.
Principles of economics	6 hrs.
Principles of finance	3 hrs
Principles of marketing	3 hrs
Operations management	3 hrs
Organizational theory, behavior, and environment	3 hrs

The four tracks in the MAcc are described below:

CPA Preparatory Track with an Emphasis in Assurance and Financial Reporting (4+1 Program)

The 4 + 1 program (4 years of undergraduate study at UAHuntsville plus 1 year of graduate study) in the assurance and financial reporting concentration prepares students for the CPA exam and for teaching at the community college- or university-level.

The undergraduate prerequisite accounting courses are as follows*:

Course Number**	Title	Semester Hours
ACC 307	Accounting Information Systems	3 hrs
ACC 310	Intermediate Financial Accounting I	3 hrs
ACC 311	Intermediate Financial Accounting II	3 hrs
ACC 313	Individual and Small Business Income Taxes	3 hrs
ACC 414	Cost Accounting	3 hrs
ACC 431	Principles of Auditing	3 hrs
ACC 432	Advanced Auditing	3 hrs
ACC 433	Forensic Accounting	3 hrs
		24 hrs

* The basic skills and business core electives can be found above.

**BLS 411, Business Law for Accountants, may be taken as BLS 511 if not already taken at UAH in the undergraduate program.

The MAcc courses for the CPA Preparatory track with an Emphasis in Assurance and Financial Reporting (4+1 Program) are as follows:

Course Number*	Title	Semester Hours
ACC 614	Cost Management	3 hrs
ACC 607	Advanced Accounting Information Systems	3 hrs
ACC 680	Financial Accounting Theory	3 hrs
ACC 517	Accounting for State & Local Governments and Non-Profits	3 hrs
ACC 513	Corporate, Partnership & Estate Taxes	3 hrs
Elective	Non-accounting Electives at 600 level***	9 hrs
Elective	Non-accounting Elective at the 500 or 600 level	3 hrs
Select two of the following:		
ACC 603	Financial Statement Analysis	
ACC 615	Advanced Financial Accounting	
ACC 642	Advanced Internal and Operational Auditing	
	OR 6 hours of thesis**	6 hrs
		33 hrs

* ACC 600 or 602 may not be used in the MAcc program.

** Thesis option reduces the required credit hours to 30 hours. Students may eliminate a 500-level non-accounting elective.

***Recommended electives include FIN 620, MGT 629, MGT 640, IS 670, and IS 680.

CPA Preparatory Track with an Emphasis in Taxation (4 + 1 Program)

The 4 + 1 program (4 years of undergraduate study plus 1 year of graduate study) in the taxation concentration prepares students for the CPA exam and for teaching at the community college- or university-level.

The undergraduate prerequisite accounting courses are as follows*:

Course Number**	Title	Semester Hours
ACC 307	Accounting Information Systems	3 hrs
ACC 310	Intermediate Financial Accounting I	3 hrs
ACC 311	Intermediate Financial Accounting II	3 hrs
ACC 313	Individual and Small Business Income Taxes	3 hrs
ACC 414	Cost Accounting	3 hrs
ACC 413	Corporate, Partnership, and Estate Taxes	3 hrs
ACC 420	State and Local Taxation	3 hrs
ACC 431	Principles of Auditing	3 hrs
		24 hrs

* The basic skills and business core electives can be found above.

**BLS 411, Business Law for Accountants, may be taken as BLS 511 if not already taken at UAH in the undergraduate program.

The M.Acc. courses for the CPA Preparatory with an Emphasis in Taxation (4 + 1 Program) are as follows:

Course Number*	Title	Semester Hours
ACC 614	Cost Management	3 hrs
ACC 607	Advanced Accounting Information Systems	3 hrs
ACC 680	Financial Accounting Theory	3 hrs
ACC 517	Accounting for State & Local Governments and Non-Profits	3 hrs
ACC 532	Advanced Auditing	3 hrs
Elective	Non-accounting Electives at 6xx level***	9 hrs
Elective	Non-accounting Elective at the 500 or 600 level	3 hrs
Select two of the following:		
ACC 603	Financial Statement Analysis	
ACC 615	Advanced Financial Accounting	
ACC 642	Advanced Internal and Operational Auditing	
	Or 6 hours of thesis**	6 hrs
		33 hrs

* ACC 600 or 602 may not be used in the MAcc program.

** Thesis option reduces the required credit hours to 30 hours. Students may eliminate a 500-level non-accounting elective.

***Recommended electives include FIN 620, MGT 629, MGT 640, IS 670, and IS 680.

General Accounting Track

The General Accounting Track is designed to allow students (working with the Graduate Advisor) to tailor a degree program in line with the student's background and career goals. The accounting prerequisites for the track are as follows*:

Course Number	Title	Semester Hours
----------------------	--------------	-----------------------

ACC 307	Accounting information systems	3 hrs
ACC 310	Intermediate financial accounting I	3 hrs
ACC 311	Intermediate financial accounting II	3 hrs
ACC 313	Individual and Small Business Income Taxes	3 hrs
ACC 414	Cost accounting	3 hrs
ACC 431	Auditing	3 hrs
		18 hrs

* The basic skills and business core electives can be found above.

The General Accounting track consists of three required courses and eight elective courses. Students must take a minimum of 18 hours of Accounting with at least 15 of those hours at the 600-level. They must also take a minimum of 12 hours of non-accounting courses with at least 9 hours at the 600-level. A sample program is presented below including four specific required courses.*

Course Number	Title	Semester Hours
ACC 614	Cost Management	3 hrs
ACC 607	Advanced Accounting Information Systems	3 hrs
ACC 680	Financial Accounting Theory	3 hrs
ACC 6xx	Accounting elective or thesis**	3 hrs
ACC 6xx	Accounting elective or thesis**	3 hrs
ACC xxx	Accounting elective, 500- or 600-level***	3 hrs
Elective	Non-Accounting electives 600-level courses****	9 hrs
Elective	Non-accounting elective, 500- or 600-level	3 hrs
Elective	Free elective, 500- or 600-level	3 hrs
		33 hrs

*Students planning to sit for the CPA examination in Alabama must complete the subject matter shown below. In order to limit the MAcc to 33 graduate-level hours, at least one of these accounting courses should be completed at the undergraduate level before entering the program.

BLS 511 Business Law for Accountants

ACC 513 Corporation, Partnership, and Estate Taxes or ACC 520 State and Local Taxation

ACC 517 Accounting for State & Local Governments and Non-Profits

ACC 532 Advanced Auditing

** Thesis option reduces the required credit hours to 30 hours. Students may eliminate a 500-level non-accounting elective.

***ACC 600 or 602 may not be used in the MAcc program.

****Recommended electives include FIN 620, MGT 629, MGT 640, IS 670, and IS 680.

Information Systems Audit and Control (ISAC) Track

The ISAC Track provides a focal point of study for students with an undergraduate degree in accounting (or the equivalent) who have an interest in graduate education in accounting and information technology. Because the ISAC track requires extensive coursework in information systems, it may not be possible for students electing this track to complete the coursework required to sit for the CPA examination within the framework of 33 semester hours of graduate coursework.

The accounting prerequisites for the Information Systems and Audit and Control track are as follows*:

Course Number	Title	Semester Hours
ACC 307	Accounting information systems	3 hrs
ACC 310	Intermediate financial accounting I	3 hrs
ACC 311	Intermediate financial accounting II	3 hrs
ACC 313	Individual and Small Business Income Taxes	3 hrs

ACC 414	Cost accounting	3 hrs
ACC 431	Auditing	3 hrs
		18 hrs

* The basic skills and business core electives can be found above.

Although not required, it is recommended that UAHuntsville undergraduate accounting majors interested in the ISAC track select ACC 432 Advanced Auditing as one of their accounting electives and IS 420 Electronic Commerce as a non-accounting elective within the College of Business Administration. Also recommended, but not required, are BLS 411 Business Law for Accountants as a non-accounting elective within the College (if the student plans to sit for the CPA examination), and two programming courses (CS 102 Introduction to C Programming and CS 103 Introduction to Computer Science (JAVA)) as electives from outside the College of Business Administration.

The ISAC track consists of eight required courses and three elective courses (or thesis). Students must take a minimum of 18 hours of Accounting with at least 15 of those hours at the 600-level. They must also take a minimum of 15 hours of IS courses, at least 9 hours at the 600-level. A sample set of courses for the ISAC track is presented below:

Course Number	Title	Semester Hours
ACC 614	Cost Management	3 hrs
ACC 607	Advanced Accounting Information Systems	3 hrs
ACC 680	Financial Accounting Theory	3 hrs
ACC 642	Advanced Internal and Operational Auditing	3 hrs
ACC 6xx	Accounting elective or thesis, 600-level*	3 hrs
ACC xxx**	Accounting elective or thesis, 500- or 600-level*	3 hrs
IS 634	Management of Information Technology	3 hrs
IS 640	Relational Database Management Systems	3 hrs
IS 660	Information Security Management	3 hrs
IS 670	Business Contingency Planning	3 hrs
IS xxx**	IS Elective, 500- or 600-level	3 hrs
		33 hrs

* Thesis option reduces the required credit hours to 30 hours. Students may eliminate a 500-level non-accounting elective.

** Suggested electives are IS 597 Information Systems Design and IS 560 Telecommunications and Networking.

Other recommended courses for the ISAC track include: ACC 532 Advanced Auditing, BLS 511 Business Law for

Accountants, IS 520 Electronic Commerce, IS 563 Computer Forensics, and IS 577 Network Defense and Operating Systems. ACC 600 or 602 may not be used in the MAcc program.

Thesis Option

A thesis option requiring 30 semester hours of graduate work, including 6 hours of thesis credit is available. Students interested in this option should contact the Graduate Director, 102 Business Administration Building, (256) 824-6681 before completing 12 hours of graduate study.

Advising and Registration Procedures

After being admitted to the program, each student will meet with the Graduate Director to outline a degree program. Each student must file a Program of Study before completing 12 hours of graduate work. Before enrolling in any course, students should be aware of the prerequisites for the course and make sure they have completed them. To ensure course availability, students are encouraged to pre-register for classes during the priority registration period.

Transfer Credit

Up to 12 semester hours of graduate credit taken at other universities may be transferred to meet M.Acc degree requirements. The acceptability of specific courses is determined by the Graduate Director, 102 Business Administration Building, (256) 824-6681.

Master of Science in Information Systems (MS-IS)**Purpose**

The purpose of the MS-IS program is to provide students with advanced preparation as a specialist to enter a professional career involving the use, definition, analysis, design, implementation, and operation of management information systems. While the program will provide students with the background to enter the information technology (IT) profession in a wide variety of positions, the overall structure of the program is designed to provide students with the educational framework appropriate for a career leading to an executive level position in IT. Program prerequisites are kept to a minimum and the program is designed to meet the needs of students with a wide variety of educational backgrounds. Applicants with an undergraduate degree in IS will likely have completed all course prerequisites.

Application Procedures

Admissions procedures are the same as for the MBA program.

International Students

Requirements for admission are the same as those for the MBA program.

Program Prerequisites

Program prerequisites include a bachelors degree in any field and computer proficiency in an operating system and an office suite. While the proficiency can be achieved through self-study or non-credit training courses, the expected level of proficiency is comparable to that obtained by students completing IS 146-Computer Applications in Business. The remaining course prerequisites are:

- One semester of graduate, or two semesters of undergraduate accounting.
- One semester of computer programming (any language).
- One semester of graduate, or two semesters of undergraduate economics.
- One semester of calculus.
- One semester of statistics.
- One semester of business communications.

The business communication requirement may be fulfilled by a professional writing or speaking course beyond the freshman or sophomore level. It cannot be fulfilled by a freshman composition or speech course. The key is advanced organizational skills for communications with professionals. Hence communications courses intended for professional groups, such as engineers, managers, or scientists are acceptable. UAHuntsville courses meeting the communications requirement include CM 313 Business and Professional Communication, EH 300 Strategies for Business Writing, and EH 301 Technical Writing.

Applicants with an undergraduate degree in IS generally have completed all prerequisites. Applicants lacking adequate background will be required to complete the MS-IS program prerequisites prior to enrolling in 600 level IS courses.

Degree Requirements

The MS-IS program normally consists of 33 semester hours of graduate coursework. The program includes nine semester hours of business core, 21 semester hours of required Information Systems courses, and an elective. IS 691, Information Systems Strategy and Applications, is the capstone course and should be taken toward the end of the student's program. The grade in IS 691 and on the comprehensive exam included in IS 691 can be no lower than B.

IS Graduate Core: (21 hrs)

IS 520 Electronic Commerce*	3 hrs
IS 560 Telecommunications and Networking*	3 hrs
IS 597 Information Systems Design*	3 hrs
IS 634 Management of Information Technology	3 hrs
IS 640 Relational Database Management Systems	3 hrs
IS 680 Enterprise Resource Planning Systems	3 hrs
IS 691 Information Systems Strategy and Applications	3 hrs

Business Core: 600 level (9 hrs)

ACC 602 Managerial Accounting	3 hrs
MSC 600 Operations Management	3 hrs
FIN 601 Financial Decisions Under Uncertainty	3 hrs

IS Electives (3 hrs)

3 hrs

Recommended electives include the following.

ACC 607 Advanced Accounting Information Systems	
IS 516 Supply Chain Management & E-Business	
IS 540 Web Programming and Database Integration	
IS 565 Web Server Environment and Internet Technologies	
IS 577 Network Defense & Operating Systems	
IS 655 Advanced Databases and Applications Development for Management	
IS 660 Information Security Management	
IS 663 Computer Forensics	
IS 670 Business Contingency Planning	
IS 675 Information Resource Management	
MGT 690 Seminar in Technology Mgmt.: Global Supply Chain Mgmt.	
Total	33 hrs

*MS-IS students whose previous studies include IS 420, IS 460, IS 497 or equivalent courses must substitute IS 520, IS 560 or IS 597 with elective courses.

Thesis Option

A thesis option including six hours of thesis is available. Students interested in this option should contact the Graduate Program Director before completing 12 hours of graduate study. If selected, the student will register for the IS 699 Masters Thesis course at least twice.

Advising and Registration Procedures

After being admitted to the program, each student will meet with the MS-IS Program Director to outline a degree program. Each student must file a Program of Study before completing 12 hours of graduate work. Before enrolling in any course, students should be aware of the prerequisites for the course and make sure they have completed them.

Transfer Credit

Up to 12 semester hours of graduate credit taken at other universities may be transferred to meet MS-IS degree requirements. The acceptability of specific courses is determined by the MS-IS Program Director.

Master of Science in Information Assurance and Security (MS-IAS)**Purpose**

The MS-IAS program emphasizes the multi-disciplinary characteristics of the information and information systems assurance solutions into a classroom environment to emulate the real world challenges of engineers, managers, and scientists working together to resolve IT security challenges based on active and current IT threats of viruses, intrusions, industrial espionage, etc. Secondly, the program takes existing software development and engineering processes and overlays the mandated security requirements of any

technology solution to provide an educational platform for managers, scientists, and engineers to specialize in the security aspects of information and information technology in the system concept, design, and development phases. Third, the program provides a controlled network environment to address the continuous monitoring required to contend with the dynamic nature of incident responses to threats not yet known, the continuous balancing of the feasibility of security versus operational need, and the planning for business continuity and disaster recovery in an evolving networked environment. The MS-IAS program is interdisciplinary with Computer Science and Electrical & Computer Engineering.

Application Procedures

Admissions procedures are the same as for the MBA program.

International Students

Requirements for admission are the same as those for the MBA program.

Program Prerequisites

Applicants for the MS-IAS should have a bachelors degree in a field related to one of the following: Information Systems, Computer Science, Electrical Engineering, Computer Engineering, or Information Systems Security Engineering. Students in the Business Track with a bachelors degree in an unrelated field will be required to have six hours of programming, plus calculus, statistics and microeconomics.

Degree Requirements

The MS-IAS program normally consists of 33 semester hours of graduate coursework. The Business Track of the program includes 18 semester hours of interdisciplinary core courses, 12 semester hours of required Information Systems courses, and an elective. IS 670, Business Contingency Planning, is the capstone course and should be taken toward the end of the student's program. The grade in IS 670 can be no lower than B.

MS-IAS Core: (18 hrs)

IS 501	Introduction to Information Assurance	3 hrs
IS 663	Computer Forensics	3 hrs
CPE 549	Introduction to Information Assurance Engineering	3 hrs
CPE 649	Advanced Information Assurance Engineering	3 hrs
CS 570	Secure Network Architecture and Design	3 hrs
CS 670	Advanced Secure Network Architecture and Design	3 hrs

Business Track (15 hrs)

IS 577	Network Defense and Operating Systems	3 hrs
IS 560	Telecommunications and Networking	3 hrs
IS 660	Information Security Management	3 hrs
IS 670	Business Contingency Planning	3 hrs
	Elective (600 level IS, CS or CPE)	3 hrs
	Total	33 hrs

Thesis Option

A thesis option including six hours of thesis is available. Students interested in this option should contact the Graduate Program Director before completing 12 hours of graduate study. If selected, the student will register for the IS 699 Masters Thesis course at least twice.

Advising and Registration Procedures

After being admitted to the program, each student will meet with the MS-IAS Program Director to outline a degree program. Each student must file a Program of Study before completing 12 hours of graduate work. Before enrolling in any course, students should be aware of the prerequisites for the course and make sure they have completed them.

Transfer Credit

Up to 12 semester hours of graduate credit taken at other universities may be transferred to meet MS-IAS degree requirements. The acceptability of specific courses is determined by the MS-IAS Program Director.

Graduate Certificate in Information Assurance

The graduate Certificate in Information Assurance is a network security program that is designed to prepare students to become Information Assurance (IA) professionals. The certificate program includes 18 semester hours. A subset of these courses may be used to satisfy elective requirements within the MS-IAS program. The required courses for the Information Assurance Certificate include the following:

IS 501 Introduction to Information Assurance	3hrs
IS 560 Telecommunications and Networking	3hrs
IS 660 Information Security Management	3hrs
IS 663 Computer Forensics	3hrs
IS 670 Business Contingency Planning	3hrs
IS 577 Network Defense and Operating Systems	3hrs
Total:	18 hrs

Graduate Certificate in Federal Contracting and Procurement Management

The graduate Certificate in Federal Contracting and Procurement Management is a program that is designed to provide professional development for individuals pursuing careers in contract management with either the Federal government or with government contractors. The program is designed for individuals possessing a bachelor degree in a field other than Federal contracting, acquisition or procurement management. The certificate program consists of 18 semester hours. For students interested in completing both the MBA and the Certificate, a subset of these courses may be used to satisfy elective requirements within the MBA program. The required courses for the graduate Certificate in Federal Contracting and Procurement Management include the following:

Required:

MGT 501	Introduction to Contract Management	3 hrs
MGT 502	Contract Evaluation and Award	3 hrs
MGT 503	Contract Pricing and Cost Analysis	3 hrs
MGT 506	Government Contract Law	3 hrs

Choose two from the following:

MGT 611	Supply Chain Management	3 hrs
MKT 510	Transportation and Logistics	3 hrs
IS 522	Supply Chain Management Systems	3 hrs
ACC 540	Basic Government Contract Accounting	3 hrs
ACC 541	Adv Government Contract Accounting	3 hrs
Total		18 hrs

Graduate Certificate in Supply Chain Management

The graduate Certificate in Supply Chain Management is a program that is designed to provide professional development for individuals pursuing careers in logistics and supply chain management with the Federal government, government contractors, or manufacturers. The program is designed for individuals possessing a bachelor degree in a field other than supply chain management. The certificate program consists of 18 semester hours. For students interested in completing both the MBA and the Certificate, a subset of these courses may be used to satisfy elective requirements within the MBA program. The required courses for the graduate Certificate in Supply Chain Management include the following:

Required:

MSC 600	Operations Management	3 hrs
---------	-----------------------	-------

MGT 611	Supply Chain Management	3 hrs
IS 522	Supply Chain Management Systems	3 hrs
IS 634	Management of Information Technology	3 hrs
MGT 693	Supply Chain Strategy	3 hrs

Choose one from the following:

IS 500	Business Intelligence Systems	3 hrs
MKT 510	Transportation and Logistics	3 hrs
IS 680	Enterprise Resource Planning Systems	3 hrs
Total		18 hrs

Graduate Certificate in Technology and Innovation Management

The graduate Certificate in Technology and Innovation Management is a program that is designed to provide professional development for technical professionals moving into management positions with the Federal government, government contractors, or commercial industry. The program is designed for individuals with undergraduate degrees in science or engineering. The program consists of 18 semester hours. For students interested in completing both the MBA and the Certificate, a subset of three of these courses may be used to satisfy elective requirements within the MBA program. The remaining three courses are required core courses within the MBA. The required courses for the graduate Certificate in Technology and Innovation Management include the following:

Required:

MGT 601	Introduction to Technology Development	3 hrs
MKT 604	New Product Development	3 hrs
MKT 606	Marketing in a High Technology Environment	3 hrs
MGT 622	Management of Technical Professionals	3 hrs
MGT 640	Principles of Project Management	3 hrs
MGT 629	Leadership: Theory and Practice	3 hrs
Total		18 hrs

Graduate Courses in Accounting (ACC)

513 Corporation, Partnership, and Estate Taxes (3 hrs)

Tax accounting for partnerships, corporations, Sub chapter S corporations, estates, and trusts. Tax administration and research are emphasized. Prerequisite: ACC 313.

514 Cost Accounting (3 hrs)

This course examines the development and use of cost data for external reporting and internal planning and control. Topics include cost estimation and prediction, job costing, process costing, joint product and by-product costing, service department cost allocation, standard costing, activity-based costing, and transfer pricing. The development of relevant cost information for special purposes is also considered. This course may not be taken for credit toward the Master of accountancy degree. Prerequisite: ACC 212.

517 Accounting for State & Local Governments and Non-Profits (3 hrs)

Fund accounting and local governments, hospitals, and universities. Special accounting principles, budgeting, accounting for various funds and account groups are emphasized. Prerequisite: ACC 310.

520 State and Local Taxation (3 hrs)

Principles of state income tax, sales and other excise taxes and property tax. Taxation of interstate commerce will be examined along with US constitutional restrictions on the ability of states to tax interstate commerce.

532 Advanced Auditing (3 hrs)

Practical application of auditing concepts and standards. An understanding of auditing principles is reinforced and expanded by exposure to problems and cases. Prerequisite: ACC 431.

533 Forensic Accounting (3 hrs)

Study of the nature and types of fraud. The course covers the tools and techniques used to prevent, investigate, and detect fraud. Prerequisite: ACC 431.

540 Basic Government Contract Accounting (3 hrs)

Basic coverage and principles of government contract accounting with an emphasis on the Federal Acquisition Regulation (FAR). Prerequisite: ACC 414.

541 Advanced Government Contract Accounting (3 hrs)

Advanced issues in government contract cost accounting with an emphasis on the Federal Acquisition Regulation (FAR) and Cost Accounting Standards (CAS) cost allocation guidelines. Prerequisite: ACC 540.

570 Seminar in Contemporary Accounting Issues (3 hrs)

Current topics in professional accounting. Prerequisite: ACC 431.

580 Professional Certification (3 hrs)

Provides a thorough and complete examination and review of each of the four areas of the Accounting Standards and Procedures (Regulation, Business Environment and Concepts, Financial Accounting and Reporting, Auditing and Attestation). A thorough knowledge of the diverse set of concepts covered in each of the areas is required for professional accounting certification as well as success as a practicing accountant. Prerequisite: permission of the department chair.

590 Special Projects (3 hrs)

Independent study in the field of accounting which is of interest to a student. Prerequisite: Permission of Graduate Advisor.

595 Internship in Accounting (1-3 hrs)

Internship with a business or government agency that has particular relevance to the educational goals of the program. Students must keep a log and submit a report on their internship. Prerequisite: Permission of the Accounting Advisor.

600 Foundations of Accounting for Managers (3 hrs)

Graduate level introduction to the accounting framework and how it is used in evaluating economic conditions and success in decision-making in organizations. Financial statements, accounting reports, and accounting terminology that constitutes the language of business. Introduces the use of accounting information for decision-making, coordinating, motivating, and evaluating. Prerequisite: MIS 146.

602 Managerial Accounting (3 hrs)

Examines the managerial uses of accounting. The focus is on the student's gaining a comprehensive understanding of accounting concepts and the methods of applying these concepts in decision-making, planning, and control. Prerequisite: ACC 600.

603 Financial Statement Analysis (3 hrs)

Concepts and techniques of financial statement analysis, together with related institutional background. Topics considered include elements of financial statements, basics of analysis, short and long term debt-paying ability, analysis of profitability, problems in analyzing specialized industries, forecasting, business valuation, and equity security analysis. Case analysis is used to integrate theory with decision-making. Prerequisites: Completion of all M.Acc. program prerequisites, or ACC 602 and FIN 601.

607 Advanced Accounting Information Systems (3 hrs)

In-depth examination of accounting information systems. Emphasis on computer-oriented systems and current developments in systems. Prerequisite: ACC 307.

614 Cost Management (3 hrs)

A study of alternative approaches to identifying and proactively managing the costs of providing services and/or manufacturing and distributing products. The focus is on the development of cost data useful to managers for decision making rather than for financial reporting. Special attention is given to current issues in cost management. Prerequisites: ACC 414.

615 Advanced Financial Accounting (3 hrs)

Analysis of issues and alternatives in advanced problem areas including partnerships, intercorporate investments, business combinations, and foreign exchange. Prerequisite: ACC 311.

642 Advanced Internal and Operational Auditing (3 hrs)

Introduction to the methodology of internal and operational auditing and to the utilization of results of the audit by management in decision making. Prerequisite: ACC 431.

659 Selected Topics in Accounting (3 hrs)

An in-depth examination of a topic relative to accounting by one student or a group of students. Prerequisite: ACC 602.

680 Financial Accounting Theory (3 hrs)

A capstone course that includes a study of the historical development and theoretical structure of accounting followed by an appraisal of selected pronouncements of professional accounting organizations. Prerequisites: Completion (or concurrent enrollment) of all required courses. Normally taken during the last semester of a student's program.

699 Master's Thesis (1, 2 or 3 hrs)

Required each semester a student is working and receiving direction on a master's thesis. A minimum of two semesters is required but not more than six hours of credit is allowed. Prerequisite: Permission of the Accounting Advisor.

Graduate Courses in Business Legal Studies (BLS)**500 Law, Ethics and Business (3 hrs)**

An analytical review of corporate ethics addressed from a legal and business standpoint. Focus on codes of ethics, integration of "integrity" into corporate cultures, top management commitment to ethics, civic involvement, employer-employee relations, consumer protection, and international business.

511 Business Law for Accountants (3 hrs)

In-depth study of legal principles and problems encountered in practice by professional accountants. This course covers legal topics from a Uniform Commercial Code perspective. Prerequisites: BLS 211 and ACC 310.

625 Legal Aspects of Engineering (3 hrs)

Legal problems and principles relevant to the practice of professional engineers. The legal system, contracts, torts, business organizations, employment law, intellectual property law, and environmental law.

Graduate Courses in Economics (ECN)**554 International Economics (3 hrs)**

Behavior of foreign-exchange rates under different monetary standards, methods of financing international trade, historical development of international financial institutions, current and proposed methods for fostering international trade, and problems of international liquidity. Prerequisite: FIN 301.

575 Economics of Labor Markets and Human Resources (3 hrs)

Economic analysis of labor markets and institutions, focusing primarily on understanding two general types of choices: (1) the labor market choices of individuals which have implications for human resource management; and (2) the choices made by organizations in the management of their human resources and the implications of those choices for employee behavior. Specific topics include: individual decisions to supply labor, compensating wage differentials, human capital investments, discrimination in labor markets, pay and productivity, collective bargaining and strikes. Prerequisites: ECN 142 and 143.

590 Special Projects (3 hrs)

Faculty guided independent study in an area of interest to the student and faculty member. Prerequisite: approval of Department Chair.

600 Foundations of Economics (3 hrs)

This course provides the economic foundations necessary to understand the environment in which businesses operate. It examines the basic theory behind the output and pricing decisions of firms operating in various market structures. The central features of consumer and producer choice at the micro level are developed; and then macroeconomic issues, such as unemployment and inflation, are studied using the microeconomic underpinnings. Government policy is also addressed: efficient regulation to correct market failures at the micro level and monetary and fiscal policy at the macro level. The global economic environment is addressed by introducing students to the principles of comparative advantage and gains from trade.

626 Managerial Economics and Technology (3 hrs)

The principles of microeconomics are used to formulate and analyze problems. These principles are then applied to business decisions. The course includes an introduction to regression analysis and forecasting. Basic international economic concepts and the importance of technology are explicitly introduced. Prerequisites: ECN 600 and MSC 600.

Graduate Courses in Finance (FIN)

500 Investment Practicum (4 hrs)

Small number of students work closely with finance faculty in the UAHuntsville Capital Management Group (CMG) to manage actual investment portfolios. Emphasis is placed on individual stock selection and management of the portfolio to meet objectives. Prerequisites: FIN 560 and permission of the instructor.

510 Financial Issues in Entrepreneurship (3 hrs)

Financial concepts and applications for entrepreneurs. Primarily focuses on the financial issues faced by start-up firms: financial statements, forecasting, managing financial resources, sources of funding, and exit strategies.

531 Advanced Corporate Finance (3 hrs)

The purpose of the course is to apply advanced corporate finance theories to solve practical corporate finance problems. Prerequisite: FIN 378.

554 International Finance (3 hrs)

An introduction to international finance for tomorrow's global business leaders, with a focus on the financial management dimensions of leading a multinational enterprise. Prerequisite: FIN 301.

560 Investments (3 hrs)

A study of standard investment securities, as well as an overall view of the investment decision process. The investment securities covered include equities, fixed income, options, futures, and mutual funds. Associated topics include financial markets, risk and return, valuation models, and fundamental portfolio theory. Prerequisite: FIN 601.

561 Portfolio Management (3 hrs)

A continuation of FIN 560 (Investments) with an emphasis on the application of investment portfolio management. An understanding of the functional areas of portfolio management is stressed, including investment policy, investment strategy, portfolio construction, performance evaluation, and portfolio protection. Prerequisite: FIN 560.

595 Internship in Finance (3 hrs)

With the supervision of a faculty advisor the student serves as an intern in a position that enhances their discipline's educational goals.

601 Financial Decisions Under Uncertainty (3 hrs)

Designed to introduce students to the concepts of financial decision-making in uncertain domestic and global markets, as well as providing them with a set of tools and techniques for use in financial analysis. Associated topics include financial statement analysis, financial assessments of potential capital investments, cost of capital, and risk and return. Prerequisites: ACC 600 and ECN 600.

620 Seminar in Behavioral Finance (3 hrs)

This class will investigate a number of interesting issues and anomalies related to the psychology of financial decision making and the psychology of financial markets. Many of the issues challenge some of the long-held theories and models of traditional finance. The course content will consist of readings from the behavioral finance literature with an emphasis on student discussion. Prerequisite: FIN 301.

Graduate Courses in Management (MGT)

501 Introduction to Contract Management (3 hrs)

General survey in contracting basics, covering procedures as described by Federal Acquisition Regulations, statutes, ethics, policies, and other pertinent authorities.

502 Contract Evaluation and Award (3 hrs)

This course introduces the student to topics related to the evaluation, award, and post award portions of the contracting process. Elements of the evaluation related to competitive acquisitions and past performance evaluation are reviewed. Steps related to the proposal receipt process such as contractor responsibility, debarred/suspended, and certificate of competency are covered. The award process is also covered by a discussion of processes such as legal review, clearance, 1279 Report, notification to the unsuccessful offeror, and preparation of award. Post award topics such as contract administration functions, contract closeout, contract modifications, remedies, claims, disputes, and request for equitable adjustments are covered. Prerequisite: MGT 501.

503 Contract Pricing and Cost Analysis (3 hrs)

Techniques for cost estimating, cost analysis, and price analysis. Sources of data, statutory requirements, rates, factors, and definitions, projection methods, factors affecting profit or fee, weighted guidelines technique, application of statistical analysis including regression analysis, and learning curve theory. Prerequisite: FIN 301, MGT 501 or ACC 540.

504 Negotiation Techniques (3 hrs)

Develops principles, skills, and techniques for effective negotiation and conflict resolution. Describes common mistakes in negotiation and provides a framework to prepare students for business or personal negotiation sessions.

505 New Venture Strategies (3 hrs)

Theory and application of both marketing and management strategies for start-up, operation and control of new ventures. The course also discusses the role of entrepreneurship in the economy (same as MKT 505). Prerequisites: MGT 600 and MKT 600.

506 Government Contract Law (3 hrs)

Application of the legal principles governing government contracts as developed from common law, statutes, regulations, and court and board decisions. Includes requests for proposals, negotiation, inspection, acceptance, delivery, warranties, modifications of contracts, equitable adjustment, government furnished property, and disputes. Prerequisite: BLS 211, MGT 501 or ACC 540.

540 Small Business Counseling (3 hrs)

Practical exposure to problems and opportunities of small business firms. Serve as a consultant to assist local business managers with identification of problems and formulation of alternative solutions, as well as identification of areas of market opportunity. Experience gained under the supervision of the Director of the Small Business Development Center. Prerequisites: Permission of the Department Chair and approval of the SBDC Director.

550 International Business (3 hrs)

This course combines theoretical and practical aspects of doing business in the global market. It addresses the complex environment of international business and the need to investigate its various economic, social, political, cultural, and legal dimensions from conceptual, methodological and applications perspectives. It then considers how these environmental factors would affect, and can be integrated into, business programs and strategies.

560 Employee Staffing and Development (3 hrs)

Study of the fundamental concepts, issues and tools of employee staffing and development. Topics include forecasting staffing needs, recruitment strategies, development and validation of selection procedures, placement, socialization and development of employees, and the utilization of contingent workers.

561 Strategic Compensation Management (3 hrs)

Introduction to the management of employees' compensation. Provides an overview of compensation practices, behavioral and economic theories of compensation, and research on compensation programs. Prerequisites: MGT 301.

562 Employment Law for Managers (3 hrs)

Analysis of the impact of government regulation on the management of human resources. Examines the implications for employer responsibilities and employee rights of evolving public policies pertaining to separations, discrimination, compensation, occupational safety and health, privacy, union-management relations, and other terms of employment.

570 Special Topics in Technology Management (3 hrs)

In depth study of a selected special topic relevant to the management of technology. Different sections of this course may address different topics.

595 Internship in Management (1-3 hrs)

Under the direction of a faculty advisor, student gains experience with an entrepreneur in a small business firm or a manager in a large firm. Prerequisite: Approval of department chair.

600 Organizational Theory, Behavior and Environment (3 hrs)

Provides the conceptual tools to analyze the behavioral and organizational influences on systematic outputs such as quality, profitability, and employee well-being. Focuses both on macro-level issues (e.g. organizational design, culture, power and politics, and strategic leadership) and on micro-level issues (e.g.

motivation, decision-making, socialization, and diversity). Covers these topics in the broader social, legal, regulatory, environmental, and ethical context.

601 Introduction to Technology Development (3 hrs)

Introduction to the master's program, introducing the student to emerging technologies, the macro-environmental and industry drivers for these technologies, the organizational issues facing firms affected by emerging technologies, and business research methods in the management of technology.

610 Introduction to Strategic Management of High Technology Firms (3hrs)

Introduction to the strategic management of technology. Topics include value chain and competitive advantage, competitor analysis, competitive strategies, vertical and horizontal diversification, and strategic management of high tech professionals. Prerequisite: Permission of Department Chair. Not available to MBA, M.Acc. or M.S.M.I.S. students.

611 Supply Chain Management (3 hrs)

This course discusses the concepts and components of the entire supply chain from a system of systems perspective. Emphasis is on integration, collaboration and planning related to major functional areas required to organize the flow of products from inception through delivery to satisfy final customer needs. Information and communication technology as an enabler of supply chain management strategies is also discussed. Concepts are emphasized utilizing experiential learning and case studies. Prerequisites: IS 634 and MSC 600.

622 Management of Technical Professionals (3 hrs)

Differences in the nature of the research task and in the talents and skills required of scientists and engineers create special problems for the manager. Examines special issues in managing engineers, scientists, and technical support personnel. Emphasizes creating an organizational climate for increasing both individual and organizational innovation. Topics include incentive systems and motivation of technical professionals, problems in team decision making, job design, evaluating performance of technical professionals, leadership in the R&D organization, and career development for technical professionals. Prerequisite: MGT 600.

623 Organizational Theory (3 hrs)

Theories of organizations and their structures. Organizations from the perspectives of management, psychology, sociology, political science, and economics. Organizations as groups of people and as systems in multiple environments. Goals, resources, effectiveness, equilibrium, and change relating to organizations. Administration's relationships with organization with emphasis on research and assessment. Prerequisite: MGT 600.

629 Leadership: Theory and Practice (3 hrs)

The course explores what is known about leadership with particular emphasis on those attributes and skills that allow leaders to be effective in a variety of organizational situations. The theories of leadership are explored in a framework that includes the relationship of the leader to followers and situations. Frequent appearances by guest speakers who are themselves leaders provide the critical linkage to real world practice and allow for student interaction. Prerequisite: MGT 600.

631 Strategic Human Resource Management in a Technological Environment (3 hrs)

This course examines the major functions of human resource management—planning, staffing, compliance with laws regulating employment relations, training and development, compensation, employee relations, and union-management relations—from an integrated firm-level, strategic perspective. Prerequisite: MGT 600.

640 Principles of Project Management (3 hrs)

Conceptual foundation and organization of project management. The project life cycle, planning, control, marketing, utilization of human resources, and financial management.

650 Selected Research Topics (3 hrs)

Research in a particular topic relevant to a business discipline by one student or a group of students. The research paper must be an original contribution showing a research design and results that meet the highest standards of social science research. Prerequisites: completion of 15 MSM credit hours and permission of the instructor.

690 Seminar in Technology Management (3 hrs)

Practical management of technology methods and techniques from current research and successful

industrial practice. Examines the state of the art in industrial new product development management. Lectures, cases, readings and an emphasis on student discussions, presentations and interactions. The course has a strong research orientation while at the same time focusing on management policies and principles.

693 Supply Chain Strategy (3 hrs)

This integrative course discusses the strategic role of the supply chain management in organizations and to develop a working knowledge of the process of formulating and implementing supply chain strategies to gain competitive advantage in a global environment. Topics covered include the linkage of supply chain strategies with corporate strategy, customer relationship and supplier relationship strategies and related infrastructure needs to implement supply chain strategies. Prerequisite: MGT 611.

698 Strategic Management (3 hrs)

Administrative decision making with emphasis on analyzing a complex business situation, evaluating historical trends, current operational conditions, and environmental settings, in order to establish a unifying strategy; implementation of integrated functional policies; and a plan of action to achieve established objectives. Prerequisite: Completion of all required courses (or concurrent enrollment in final courses).

699 Master's Thesis (1, 2 or 3 hrs)

Required each semester the student is working and receiving direction on a master's thesis. A maximum of 6 hours credit may be applied toward degree. Prerequisite: Permission of the MBA Advisor.

770 Organizational Research Methods (3 hrs)

Theory and practice of research methodology for study of administrative, industrial, and consumer behavior and organizations; questionnaire, field, and laboratory experimentation and statistical analysis of pre-gathered time-series and cross-sectional data; and examples of good and poor research in business disciplines. A completed individual research project of potentially publishable nature is formally presented in class. Prerequisite: ISE 790 or equivalent.

Graduate Courses in Information Systems (IS)

500 Business Intelligence Systems (3 hrs)

Business Intelligence (BI) is the process of exploring data to obtain information on patterns, relationships and trends. BI is also used as an umbrella for a variety of tools, technologies and systems used to create a BI solution architecture that can range from simple reporting to more sophisticated decision and executive support systems. The course will provide a basic understanding of the concepts and technologies required to design BI solutions for organizations such as interactive reporting tools, data warehouses, data mining and knowledge management. In this course we will use SAP BI Suite, major enterprise software for Business Intelligence, analytical, reporting and data warehousing solutions. Prerequisites: IS 301.

501 Introduction to Information Assurance (3 hrs)

This course is designed to provide a general overview of the concepts of information security to students, both from a management and a technology perspective. Students will be introduced to the complexity of the security issues facing today's networked organizations. Practices and standards will be presented to assess and plan for risks and the security needs to minimize the risks both technically and managerially. The integration of security concerns within the entire organizational planning and implementation processes and practices will be explored.

516 Supply Chain Management and E-Business (3 hrs)

Development and management of effective supply chain especially in the e-business environment including the cutting-edge tools and techniques of supply chain management, distribution and logistics network analysis, effective inventory control, value of integration, partnering with suppliers and customers to reduce costs and increase service levels. Integration of the supply chain components in a global context are emphasized using emerging information technologies and SAP SCM software suite. Prerequisites: IS 301 and MSC 385.

520 Web Portals and Applications (3 hrs)

This course bridges the boundary between consumer use of Web applications and the ability of enterprises to derive value from Web technologies and platforms by developing portals that integrate disparate organizational silos and databases. The course explores concepts in digital content and communication,

technology infrastructure and social media. Utilization of SAP tools to develop an enterprise portal front-end to organizations' back-end business systems. Prerequisite: IS 301.

522 Supply Chain Management Systems (3 hrs)

This course presents the main concepts of supply chain management systems and software including ERP, CRM, and SCM systems as well as the underlying technologies and managerial implications. It provides hands on familiarity with SAP supply chain modules.

540 Web Programming and Database Integration (3 hrs)

Explores the use of scripting languages, such as Java Script, Active X controls, and Java Applets in web site development. Examines the use of relational databases to create dynamic web sites. Extensive exposure in lecture and laboratory to web-based application development tools. Students will develop a full-featured web based business application that is interactive and requires database integration. Prerequisite: IS 146 or 520.

560 Telecommunications and Networking (3 hrs)

Overview of geographically distributed computer-communications facilities. Network design, structure and optimization are addressed. Regulated common carriers, data transmission, routine techniques, reliability, protocols, error detection, modems and controllers are included. Prerequisite: IS 301 or 501.

565 Web Server Environment and Internet Technologies (3 hrs)

Examines the Internet telecommunications technologies required to implement, manage, and maintain an organization's web site. Topics include: TCP/IP; IP addressing, subnet masks, routers, configuration and maintenance of web and DNS servers, and security issues. Prerequisite: IS 301 or 520.

570 Management of the Microcomputer Environment (3 hrs)

Examines management issues, such as hardware and operating system selection, associated with operating in a distributed computing business environment. Emphasis is on microcomputers using the Intel architecture and their operating systems. The course is designed for end user managers or professionals who need to understand hardware and software components and their implications without necessarily wanting to build or maintain microcomputers. Prerequisite: IS 301.

577 Network Defense and Operating Systems (3 hrs)

Provides an introduction to the area of network security. Addresses security issues and practical applications related to Network Address Translation, packet filtering, proxy servers and firewalls, and Virtual Private Networks. This course assumes familiarity with the Internet and basic networking concepts such as TCP/IP, gateways, routers and Ethernet. Prerequisite: IS 501 and IS 560.

580 Seminar in Management Information Systems (3 hrs)

Selected topics in Management Information Systems. Topics will reflect the contemporary issues and current technological advancements which impact the development, implementation and management of effective information systems in organizations. Prerequisite: IS 301.

595 Internship in Information Systems (1, 2, or 3 hrs)

Under the direction of a faculty advisor, student gains experience with information systems and technology professionals in industry. Prerequisite: Approval of Department Chair.

597 Information Systems Design (3 hrs)

Advanced coverage of strategies and techniques of structured systems development. Emphasizes information analysis and logical specifications of the system. Students prepare exercises and case studies to develop proficiency in information analysis techniques. Integrates computer technology, system analysis, system design, and organizational behavior in designing large-scale application or decision support system. Prerequisites: IS 310 and IS 340.

634 Management of Information Technology (3 hrs)

This course is designed to provide an understanding of how information technology (IT) can enable an organization to conduct business more effectively in a rapidly changing business environment and to leverage the organization's IT capabilities to maintain efficient and profitable business operations. Applications are illustrated through the use of SAP software.

640 Relational Database Management Systems (3 hrs)

Explores the theories, features, and capabilities of relational database management systems in a business environment. Examines how to read and interpret database design documents and how to query database driven business applications. Emphasizes the use of database management systems in real-world business

settings and how this technology can be applied effectively to solve business problems. Extensive exposure, in lecture and laboratory, to producing queries and reports from a relational database. Prerequisite: ACC 600.

650 Selected Research Topics (3 hrs)

Research in a particular topic relevant to management information systems by one student or a group of students. Each student's research paper must be an original contribution showing a research design and results that meet the highest standard of management information systems research. Prerequisite: IS 634.

655 Advanced Databases and Applications Development for Management (3 hrs)

In-depth investigation of data modeling, system development, and data administration in a database environment. Involves a course project in development and documentation of significant business applications. Emphasizes the development and use of database management systems in real-world business settings and how this technology can be applied effectively to solve business problems. Prerequisite: IS 640.

660 Information Security Management (3 hrs)

Examines management issues associated with the control and audit of information systems. Specific emphasis is on IT controls and their evaluation, computer-based auditing techniques, encryption, and security policies. Recent developments in IT, such as client-server systems and the Internet, and their impact on auditing, control, and security, are also considered. Prerequisites: IS 560, and IS 501 or IS 634.

663 Computer Forensics (3 hrs)

This course covers most of the important topics in computer forensics. It examines the problems and concerns related to computer investigations. It introduces systematic problem solving techniques and applies them to computing investigations. It implements a variety of computer forensic tools in real-life scenarios. Prerequisite: IS 501.

670 Business Contingency Planning (3 hrs)

Introduces the theories and concepts of business contingency planning through risk analysis and disaster recovery planning. This course is designed to provide a greater understanding of the assessment and management of risk and disaster recovery within the organization. The course will emphasize the nature of risk, risk assessment, risk management, and disaster recovery and how these concepts can be addressed effectively through business contingency planning. Prerequisite: IS 501 or IS 634 or ACC 607.

675 Information Resource Management (3 hrs)

Overview of the management of information systems resources of the firm. Prerequisite: IS 497.

680 Enterprise Resource Planning Systems (3 hrs)

A course examining the analysis, design and operation of enterprise resource planning (ERP) systems that integrates all aspects of an organization into one information system. Specific attention is given to how ERP systems facilitate the flow of information supporting core business processes and the organizations' supply chain. The course will emphasize the use of ERP systems in real-world business settings and how this technology can be applied effectively to solve business problems. Extensive use of SAP software is made in illustrating the configuration and implementation of ERP systems. Prerequisites: IS 301.

691 Information Systems Strategy and Applications (3 hrs)

A capstone course emphasizing the integration of various principles, theories, and techniques for developing, implementing and using information systems strategies and applications in organizations. Includes reading, lectures, tours, situation analysis, cases, and the completion of a major practical project. Normally taken during the student's last semester. The grade in the course and the comprehensive exam can be no lower than B. prerequisites: ACC 602, MSC 600, FIN 601, IS 520, IS 560, IS 597, IS 634, IS 640, IS 680.

699 Master's Thesis (3 hrs)

Required each semester a student is working and receiving direction on a master's thesis. A minimum of two terms is required but no more than six hours credit is allowed for the thesis. Credit awarded upon successful completion of thesis. Prerequisite: Permission of the MS-IS Advisor.

Graduate Courses in Management Science (MSC)

513 Contemporary Topics in Supply Chain Management (3 hrs)

The investigation of contemporary topics in supply chain management to include emerging production and supply chain innovations, lean supply chains, supply chain technology, global supply chains, trends in outsourcing, DOD supply chains, and performance based logistics.

570 Special Topics in Management Science (3 hrs)

Under the supervision of a faculty advisor, students serve as an intern in a position that enhances their discipline's educational goals.

595 Internship in Management Science (3 hrs)

Active involvement in a project in a business enterprise, professional organization, or in a government agency that has particular interest and relevance to the student.

600 Operations Management (3 hrs)

This course discusses the management of the operations function for the creation of goods and services and its relationship with other business functions in service, manufacturing, and government organizations. Topics include operations strategy and infrastructure decisions, emerging process technologies, planning and scheduling, inventory management, just-in-time systems, quality management, six sigma and lean operations. Concepts are illustrated using the SAP software. Prerequisites: MSC 287 and IS 301.

603 Quantitative Methods (3 hrs)

An introduction to and an application of several fundamental quantitative methods commonly used in business. Topics include hypothesis testing, ANOVA, regression, and queuing theory. Prerequisites: MSC 287 and MA 120.

650 Selected Research Topics (3 hrs)

Research in a particular topic relevant to management science by one student or a group of students. Each student's research paper must be an original contribution showing a research design and results that meet the highest standard of management science research. Prerequisites: MSC 600 and permission of the instructor.

699 Master's Thesis (1, 2 or 3 hrs)

Required each semester a student is working and receiving direction on a master's thesis. A minimum of two terms is required but no more than six hours credit is allowed for the thesis. Prerequisite: Permission of the MBA Advisor.

Graduate Courses in Marketing (MKT)

500 Strategic Issues in Logistics (3 hrs)

The course introduces students to practical logistical challenges and planning issues that are important in reconciling and rationalizing both strategic and tactical programs. Prerequisites: MKT 600 and MGT 600.

505 New Venture Strategies (3 hrs)

Theory and application of both marketing and management strategies for start-up, operation and control of new ventures. The course also discusses the role of entrepreneurship in the economy (same as MGT 505). Prerequisites: MKT 600 and MGT 600.

510 Transportation and Logistics (3 hrs)

An analysis of transportation and logistical services to include customer service, distribution operations, purchasing, order processing, facility design and operations, carrier selection, transportation costing, and negotiation.

515 International Marketing (3 hrs)

Procedures and problems associated with establishing and carrying out marketing operations in or with foreign countries and companies. Institutions, principles, and methods involved in solving these business problems. Effect of national differences in business practices and regulation. Prerequisite: MKT 301.

520 Services Marketing (3 hrs)

The course focuses on the unique challenges of managing services and delivering quality service to customers. The course is equally applicable to organizations whose core product is services (e.g., banks, hospitals, aerospace and defense firms, non-profits organizations) and to organizations that depend on service excellence and services for competitive advantage (high technology firms, industrial firms). Prerequisites: MKT 301.

565 New Venture Challenge (3 hrs)

It is the intent of this course to create teams of students who will take a technology to the next level with the potential for the creation of a venture team. This course will take students through the process of conceiving and creating a new business. The goal is to provide a solid background with practical application of important concepts for non-business majors or business majors with limited or no experience in an entrepreneurial environment. Finance, accounting, marketing and management will be addresses from a hands-on, entrepreneurial perspective. The course will rely on Podcast discussion, participation, case analysis, and the creation of a business plan. Prerequisites: MGT 505, MKT 604 and FIN 510.

570 Marketing in an Electronic Environment (3 hrs)

This course focuses on the strategic implications of electronic commerce for both the consumer and business-to-business marketplace. Through a combination of lectures, readings, and application exercises the impact of the Internet and related technological developments are explored in relation to their effect on the firm's marketing activities. Topics for discussion include: advertising and selling on the Internet, the use of web sites to provide service and support to customers, supply chain management in the digital world, and data mining. Prerequisite: MKT 301.

575 Advanced Marketing Seminar (3 hrs)

Investigation of advanced marketing topics that are relevant to contemporary marketing practices. The course will focus on current issues related to marketing in a high technology environment, relationship marketing, channel design and strategy, transportation, and logistics. Prerequisite: MKT 600.

580 Marketing Management (3 hrs)

Management of marketing function of the firm: determination of objectives, organization and controls for effective utilization of marketing resources in coordinated effort with other major functional areas. Identification and selection of market opportunities. Competitive strategies and development of marketing policies and programs. Prerequisite: MKT 301.

590 Special Projects (3 hrs)

Independent study in an area of interest to the student in the field of marketing. Prerequisite: Approval of department chair.

595 Internship in Marketing (3 hrs)

Active involvement in a project in a business enterprise, professional organization, or in a government agency that has particular interest and relevance to the student.

600 Survey of Marketing Management (3 hrs)

Seminar format with case analysis is used to introduce students to the tools and concepts necessary for planning, organizing, and controlling marketing activities. Typical topics include market analysis and segmentation, market planning, market research, and produce pricing, promotion, and distribution strategies.

602 Market Research Design (3 hrs)

Application based course exploring the principles and purposes of marketing research. Covers research design, questionnaire development, sample selection, data collection, data analysis, and report generation. Focus is on the gathering and use of information for better decision making. Prerequisite: MKT 600.

604 New Product Development (3 hrs)

Practical management of new product development methods and techniques from current research and successful industrial practice. An in-depth review of concepts, empirical findings, and paradigms that collectively form the foundation for the design and marketing of new products. An overview of emerging concepts, analytical techniques, empirical findings and paradigms that alter the nature, scope, and practice of marketing emerging technologies. Prerequisites: MKT 600 and FIN 601.

606 Marketing in a High Technology Environment (3 hrs)

Investigation of the many functions, strategies, systems, environmental forces, and competitive activities involved in the marketing of ideas, goods, and services to organizational customers which include businesses, industries, institutions, and governments. These issues will be evaluated within the context of a high technology environment. Using a seminar format, case analysis and class participation will be important dimensions of the course. Prerequisite: MKT 604.

611 Global Product and Brand Management (3 hrs)

Exploration of issues associated with product management, with an emphasis on managing the brand as a strategic asset. Students learn to apply analytic decision tools, write product marketing plans, and select and implement marketing strategies. Prerequisite: MKT 604.

650 Selected Research Topics (3 hrs)

Research on a particular topic relevant to marketing by one student or a group of students. The research paper must be an original contribution showing a research design and results that meet the highest standards of social science research. Prerequisites: 15 hours in MBA program and approval of instructor.