Business

Tom Ottaway, Ph.D., Dean and Professor
Daniel Ames, Ph.D., Associate Dean

Department of Accounting
Chair and Associate Professor: Ames
Professors: Picard
Associate Professor: Rodriguez, Konicek
Assistant Professors: Bagley, Burger, Chen, Leffler, O'Brien-Rose, Wood

Department of Informatics
Chair and Professor: Parker
Professors: Ottaway
Assistant Professors: Holmes, Houghton

Department of Finance & Economics
Chair and Professor: Hackert
Professors: Benson, Brookman, Byers, Khang, Stegner, R. Tokle
Assistant Professor: Buder

Department of Management & Marketing
Chair and Professor: Tocher
Professors: Johnson, Krumwiede, Murphy, Speck, J. Tokle
Associate Professors: Bolinger, Street
Assistant Professors: Burch, Ney, Northington, S. Schou, Peterson

Health Care Administration Program
Director, Kasiska School of Health Professions; Associate Professor: Tracy J. Farnsworth, Ed.D., M.H.S.A., M.B.A., FACHE
Associate Professor: Ruiling Guo, D.H.A., M.P.H., M.L.I.S., AHIP

Master of Business Administration

The College of Business (COB) at Idaho State University (ISU) offers a program leading to the degree of Master of Business Administration (MBA) to holders of business and non-business bachelor’s degrees. The MBA program is accredited by AACSB International, the Association to Advance Collegiate Schools of Business. In addition to the traditional MBA degree, the program offers MBA degrees with emphasis areas in Accounting, Informatics, Finance, Health Care Administration (HCA), Project Management, and Marketing. The MBA program at Idaho State University was the first to be accredited by the AACSB in the State of Idaho and remains committed to the delivery of a high quality, rigorous program.

The traditional MBA provides a broad general degree particularly suited to those pursuing a managerial focus in their careers. The Accounting, Informatics, Finance, Health Care Administration, Project Management, and Marketing options provide specialized knowledge relating to their respective fields. The Accounting emphasis meets the needs of students who wish to satisfy requirements for certification as public accountants (CPA) or certification as management accountants (CMA).

In the interest of a more diverse student body, the college encourages and attracts a number of full-time students from other parts of the United States and foreign countries.

Mission and Goals

The Idaho State University MBA program's mission is to develop and deliver programs that address the diverse needs of stakeholders.

Our primary mission is to offer an MBA program that enhances our students' competence in business management, fosters their intellectual curiosity, and develops the personal skills necessary to be an effective manager. The MBA program prepares students for leadership roles in all areas of business requiring skilled and ethical decision making and analytical abilities.

Program Goals

MBA Students should develop:

- Communication and collaboration skills.
- Skill in critical analysis, problem solving, and decision making.
- Competency in key business concept areas.
- Insight into cultural, global, and ethical issues in business.

The MBA Program

The MBA program consists of eight graduate core courses (MBA-I) covering basic knowledge skills and concepts, a core of eight broad integrative courses (MBA-II), plus six to nine hours of additional graduate level courses depending upon the student's program of study.

The MBA-I core develops a broad competence in the functional fields of business: Accounting, Economics, Management, Marketing, Operations, and Finance. The core also examines behavioral, international, ethical, industry analysis, and strategic issues that cut across the functional boundaries and provide a basic educational background. Students with undergraduate degrees in business may have MBA-I classes waived.

The MBA-II core consists of eight required courses which, although anchored in traditional functional fields, are designed to provide a strong integrative focus building upon the competencies developed in MBA-I courses.

The traditional MBA degree requires six credit hours of graduate course work beyond the MBA-II core courses. The various emphases require nine credit hours of graduate course work beyond the MBA-II core courses. The courses in the Accounting, Informatics, Economics, Finance, Health Care Administration, Project Management, and Marketing areas of emphasis are designed to provide specialized knowledge specific to each of their respective fields.

Master of Accountancy

The Master of Accountancy (MAcc) provides students with advanced analytical and technical skills and tools required for success in the complex world of accounting today. The program develops skills and competencies well beyond that of an undergraduate accounting degree and will prepare students to enter the public accounting profession and provide a solid foundation for passing the rigorous CPA professional examination.
Master of Science in Health Informatics

The Master of Science in Health Informatics degree makes it possible to apply your skills in information technology and information systems in health care, an area that directly impacts lives. The MSHI helps bridge the gap between the medical and administrative knowledge possessed by healthcare personnel and the information technology knowledge possessed by informaticists.

Master of Taxation

The Master of Taxation (MTax) provides students with advanced analytical and technical skills and tools required for success in the complex world of taxation. The program develops skills and competencies related to taxation well beyond that of an undergraduate accounting degree and will prepare students to enter the public accounting profession in a tax-related capacity and provide a solid foundation for passing the rigorous CPA professional examination.

Master of Business Administration

Admission Requirements

The student must apply to, and meet all criteria for, admission to the Graduate School, and all additional College of Business requirements.

Admission to the MBA program is granted only to students showing high promise of success. The College of Business uses various measures to determine this likelihood. However, the minimum requirement for admission is based on the following formula:

- The sum of 200 times the grade point average in upper-division course work (4.0 system) plus the total score on the Graduate Management Admission Test must equal at least 1150 points.

For applicants from schools with different grading systems a GPA will be inferred as accurately as possible. Also, graduate courses will be included in the upper-division GPA calculation. For applicants with a significant amount of recent upper-division academic course work versus course work that is considerably older, we may choose to consider only the recent GPA.

Individuals holding a current master's degree from a regionally accredited institution may meet minimum requirements and be considered for admission if they meet the Graduate School requirements regarding GRE scores in which case the student is not required to take the GMAT for admission.

All applicants are required to submit a resume outlining work experience, a statement of purpose, and two letters of reference.

Please note that no individual can be admitted to classified status in the MBA program until the College of Business has received the applicant's official transcripts and official GMAT/GRE scores.

Applications are accepted at any time. Complete applications are reviewed the first working day of each month up to the Graduate School deadlines for admission.

Locations

The MBA program serves Southeast Idaho's need for part-time and full-time graduate education in business. The traditional MBA degree is offered in the evening in Pocatello and Idaho Falls to full-time and part-time students with some online options. The Economics, Finance, Marketing, and Project Management emphasis areas require that students be able to take some emphasis-area daytime courses in Pocatello, and are restricted to individuals who do not have an undergraduate major in the respective fields. The Informatics emphasis and Accounting emphasis elective courses are only daytime courses offered in Pocatello. The Health Care Administration emphasis courses are offered primarily in the evening in Pocatello or online.

Conduct

Academic integrity is expected by the College of Business. All forms of academic dishonesty, including cheating and plagiarism, are prohibited.

The penalties for students engaging in academic dishonesty, plagiarism, unprofessional or unethical conduct within the university community range from a failing grade to dismissal from the MBA program, and/or permanent expulsion from the university with notation on the student's transcript. The Graduate Catalog explains the dismissal policy and the procedures for the appeal of dismissal. If you are unclear as to what constitutes academic dishonesty, you should consult the Graduate Catalog, then review the College of Business policy on Academic Integrity available from the College of Business Office in BA 202; from the College of Business web site at http://www.isu.edu/cob/; or refer to the Idaho State University Faculty/Staff Handbook policy on academic dishonesty.

If you are still in doubt about academic dishonesty, you're encouraged to consult with a faculty member, the Graduate Studies Director, or the Dean.

MBA Degree Requirements

MBA Minimum Prerequisites

Mathematics Skills

The minimum level of mathematics required for the MBA program is college algebra. If students have not completed this course, they must do so early in their program prior to enrolling in MBA-II courses. College algebra may be waived if the student scores in the 50th percentile or higher on the quantitative section of the GMAT. If all MBA-I courses are waived, the student may enroll in MBA-II courses provided they are concurrently enrolled in courses to meet the math requirement.

Computer Skills

Computer literacy is an essential skill for success in the MBA program and success in a professional business career. The minimum skills required are the ability to use a word processor, a spreadsheet, the Internet, and Windows. Students are required to maintain e-mail and Internet accounts on the Idaho State University network.

Communications Skills

Good communication skills are fundamental for students and managers. Students are expected to have a high degree of proficiency in both oral and written communication skills. Students failing to demonstrate communications proficiency will be required to take remedial work.

MBA I

The following courses are prerequisite to any MBA II course:

- MGT 2216 Business Statistics 3
- MBA 6610 Applied Economics 3
- or ECON 2201
- & ECON 2202 Principles of Macroeconomics and Principles of Microeconomics
- MBA 6611 Financial Reporting and Managerial Accounting 3
- or ACCT 2201
- & ACCT 2202 Principles of Accounting I and Principles of Accounting II
- MBA 6612 Human Behavior in Organizations 3
- or MGT 3312
- & MGT 5563 Individual and Organizational Behavior and Business Law Concepts
- MBA 6613 Marketing 3
- or MKTG 2225 Basic Marketing Management

MBA II

- MGT 5563 Principles of Management 3
- or MGT 3312
- & MGT 3311 Introduction to Management and Organizational Behavior
- MBA 6612 Human Behavior in Organizations 3
- or MGT 3312
- & MGT 5563 Individual and Organizational Behavior and Business Law Concepts
- MBA 6613 Marketing 3
- or MKTG 2225 Basic Marketing Management

MBA III

- MBA 6614 Statistical Methods 3
- or ECON 3322
- & ECON 4424 Statistics and Econometrics
- MBA 6615 Business Statistics 3
- or MGT 2216
- & MGT 2217 Business Statistics I and Business Statistics II
- MBA 6616 Financial Management 3
- or FIN 3322
- & FIN 4422 Financial Management I and Financial Management II
- MBA 6617 Business Strategy 3
- or MGT 3311
- & MGT 3314 Marketing and Business Policy

MBA IV

- MBA 6618 Business Policy 3
- or MGT 3314
- & MGT 3316 Marketing and Business Policy
- MBA 6619 Business Law 3
- or LAWS 1101
- & LAWS 2201 Introduction to Law and Legal Environment
- MBA 6620 Financial Management II 3
- or FIN 4422
- & FIN 4424 Financial Management II and Advanced Financial Management
- MBA 6621 Business Strategy II 3
- or MGT 3314
- & MGT 3316 Marketing and Business Policy

MBA V

- MBA 6622 Business Strategy III 3
- or MGT 3314
- & MGT 3316 Marketing and Business Policy
- MBA 6623 Business Law II 3
- or LAWS 1101
- & LAWS 2201 Introduction to Law and Legal Environment
- MBA 6624 Financial Management III 3
- or FIN 4422
- & FIN 4424 Financial Management II and Advanced Financial Management
- MBA 6625 Business Strategy IV 3
- or MGT 3314
- & MGT 3316 Marketing and Business Policy

MBA VI

- MBA 6626 Business Strategy V 3
- or MGT 3314
- & MGT 3316 Marketing and Business Policy
- MBA 6627 Business Law III 3
- or LAWS 1101
- & LAWS 2201 Introduction to Law and Legal Environment
- MBA 6628 Financial Management IV 3
- or FIN 4422
- & FIN 4424 Financial Management II and Advanced Financial Management
- MBA 6629 Business Strategy VI 3
- or MGT 3314
- & MGT 3316 Marketing and Business Policy

MBA VII

- MBA 6630 Business Strategy VII 3
- or MGT 3314
- & MGT 3316 Marketing and Business Policy
- MBA 6631 Business Law IV 3
- or LAWS 1101
- & LAWS 2201 Introduction to Law and Legal Environment
- MBA 6632 Financial Management V 3
- or FIN 4422
- & FIN 4424 Financial Management II and Advanced Financial Management
- MBA 6633 Business Strategy VIII 3
- or MGT 3314
- & MGT 3316 Marketing and Business Policy
### MBA- I Courses

MBA-I requirements must be satisfied before enrolling in the MBA-II core component courses listed below. The MBA-II core consists of six required courses, plus two from the list below, for a total of 24 credits.

#### Students must take the following 6 courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBA 6620</td>
<td>Quantitative Information for Business Decisions</td>
<td>3</td>
</tr>
<tr>
<td>MBA 6621</td>
<td>Managerial Decision Making and Negotiation</td>
<td>3</td>
</tr>
<tr>
<td>MBA 6622</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MBA 6623</td>
<td>Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>MBA 6626</td>
<td>Business Policy and Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MBA 6628</td>
<td>Applied Business Solutions</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

#### In addition, students must take 2 courses from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBA 6624</td>
<td>Information Systems for Business</td>
<td>3</td>
</tr>
<tr>
<td>MBA 6625</td>
<td>Managerial Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>MBA 6629</td>
<td>Productivity Management</td>
<td>3</td>
</tr>
<tr>
<td>MBA 6637</td>
<td>Introduction to Business Analytics</td>
<td>3</td>
</tr>
<tr>
<td>MBA 6641</td>
<td>Relational Leadership</td>
<td>3</td>
</tr>
<tr>
<td>INFO 6670</td>
<td>Management of Informatics Projects</td>
<td>3</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

### Waiver of MBA-I Requirements

MBA-I courses may be waived for students with a business degree from an AACSB accredited institution. MBA-I courses may be waived for students with a business degree not accredited by AACSB subject to a transcript and program evaluation by the Graduate Studies Director. For students with non-

### MBA-II

MBA-I requirements must be satisfied before enrolling in the MBA-II core component courses listed below. The MBA-II core consists of six required courses, plus two from the list below, for a total of 24 credits.

#### Students must take the following 6 courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBA 6614</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 3329</td>
<td>Operations and Production Management</td>
<td></td>
</tr>
<tr>
<td>MBA 6615</td>
<td>Finance</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

### Additional Course Requirements

Students seeking the traditional MBA degree will complete six credit hours of additional graduate course work beyond the MBA-II core.

Students seeking the MBA with an emphasis in Accounting, Informatics, Economics, Finance, Project Management, Marketing or Health Care Administration will complete nine credit hours of graduate work in their selected emphasis area.

Students may select as electives any 5500-level or 6600-level courses offered by the College of Business that meet emphasis area requirements with the exception of courses numbered between MBA 6600 and MBA 6615 inclusive, and MBA-II courses. Students wishing to take elective courses outside the College of Business must have those courses approved by the Graduate Studies Director. The electives may include MBA 6650 Thesis (6 credit hours), or MBA 6639 MBA Paper (3 credit hours). Students may not take a 5500-level course for elective credit if a similar course has been taken at the undergraduate level.

#### The Traditional MBA degree (6 hours of electives)

Students pursuing the traditional MBA degree are required to meet the following requirements:

- Electives (6 credit hours). The traditional MBA degree requires six credit hours of College of Business electives at the 5500/6600 level approved by the Graduate Studies Director.

#### Accounting Emphasis (9 hours)

The MBA with an Emphasis in Accounting program produces graduates with the knowledge and skills for successful professional accounting careers. The goal of the accounting emphasis is to provide graduates with the following characteristics:

- Business and accounting knowledge.
- Capability and motivation for continued learning.
- Competence in learning skills (including research of data bases).
- Ability to analyze, critique, and communicate.
- Ability to work effectively with others.
- Rigorous ethical standards.

The Accounting Emphasis program enhances knowledge and skills for rapid advancement in either managerial or public accounting. MBA graduates should be prepared to pass certification examinations for both the Certified Public Accountant (CPA) and Certified Management Accountant (CMA).

Students choosing an emphasis in Accounting must select 9 hours of 5500/6600 level accounting courses. Appropriate undergraduate prerequisite courses are required. Courses at the 5500-level cannot be selected if a comparable undergraduate course has already been taken.

#### Informatics Emphasis (9 hours)

The MBA with an Emphasis in Informatics is focused on providing managerial-level knowledge of information technology for MBA students. The Informatics emphasis provides general business managers with a curriculum focused on building their knowledge of informatics and the opportunity to develop technical skills in this field.

Electives (9 credit hours). The MBA with an emphasis in Informatics requires 9 credit hours of 5500/6600-level elective course work in the field of informatics.

#### Economics Emphasis (9 hours)

The MBA with an emphasis in Economics is not open to students who have a previous undergraduate major in...
economics. The Economics emphasis requires that students must be able to take some daytime courses in Pocatello.

The MBA with an emphasis in Economics requires 9 credits of elective course work in economics, or 6 credits of elective course work in economics and 3 credits in finance.

**Finance Emphasis (9 hours)**

The MBA with an emphasis in Finance is open to students who have a previous undergraduate major in Finance. The Finance emphasis requires that students must be able to take some daytime courses in Pocatello.

The MBA with an emphasis in Finance requires FIN 5578 Investments (3 credits) plus 6 more credits of 5500/6600-level elective course work in the field of finance.

**Project Management Emphasis (9 hours)**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 5582</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 5591</td>
<td>Seminar in Management and Organization</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 5534</td>
<td>Productivity and Quality</td>
<td>3</td>
</tr>
<tr>
<td>MGT 5530</td>
<td>Advanced Operations and Production Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits** 9

Students who have taken these courses as undergraduates are not eligible to repeat them as graduate students. Students who have already taken one or more of these classes must have an appropriate alternative course approved by the Graduate Studies Director or Management Department Chair.

**Marketing Emphasis (9 hours)**

The MBA with an emphasis in Marketing is not open to students who have a previous undergraduate major in Marketing. The Marketing emphasis requires that students must be able to take some daytime courses in Pocatello.

The MBA with an emphasis in marketing requires 9 credit hours of 5500/6600-level elective course work in the field of marketing. Marketing courses are labeled MKTG.

**Health Care Administration Emphasis (9 hours)**

The MBA with an emphasis in Health Care Administration requires at least 9 credit hours of 5500/6600-level elective work in Health Care Administration (HCA). Students may not repeat classes they have taken as undergraduates at the 4400-level.

**Program of Study**

All MBA students are required to meet with the Graduate Studies Director, who serves as the program advisor, prior to or during their initial term in the program in order to develop an approved program of study. Students will be blocked from registering for the next term until this program of study is approved. Once students have successfully met all the requirements of the program of study, they are eligible to graduate in the corresponding semester.

**Academic Requirements**

Any student who, after admission to the College of Business graduate program, falls below a 3.0 GPA or receives two C (C+, C, or C-) grades or a grade of D+ or lower in the MBA program (MBA-I, MBA-II, and elective courses) is deemed to be doing unsatisfactory work and is subject to review by the College of Business MBA Administrative Committee and to dismissal from the program. A student dismissed for academic reasons may apply for readmission to the MBA program no earlier than four months following his/her dismissal. Requests for readmission will be denied unless the student can demonstrate that the reasons for the previous unsatisfactory work have been rectified and can show evidence of ability to perform satisfactorily in the MBA program.

Courses in which a grade of D+, D, D- or F has been earned will not be counted toward fulfillment of MBA-I or MBA-II program requirements. Students may not use more than two courses with a grade of C+, C, or C- to satisfy graduation requirements. Students must achieve a 3.0 or better GPA in order to graduate.

**MBA and PharmD Joint Degree Program**

Students enrolled in the PharmD Program at Idaho State University may combine that degree program with an MBA degree with approximately one year of additional effort. The program is essentially the traditional MBA degree program with the use of some PharmD courses to meet MBA requirements. Program requirements include:

**During the two years of prepharmacy course work, the student should take:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2201</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2202</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2203</td>
<td>Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2204</td>
<td>Principles of Accounting II</td>
<td>3</td>
</tr>
</tbody>
</table>

**During the third year profession year in the Pharm.D. program and the summer preceding that year, the student should take:**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>MBA 6613</td>
<td>Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MBA 6614</td>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MBA 6615</td>
<td>Finance</td>
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</table>

**During the fourth professional year in the Pharm.D. program, students should take:**

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHAR 9981</td>
<td>Advanced Pharmacy Practice Experience</td>
<td>7</td>
</tr>
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</table>

1. These courses will satisfy four hours of electives required in the spring semester of the third professional year of the Pharm.D. curriculum. In addition, the completion of MBA 6612 Human Behavior in Organizations will substitute for PPRA 9945 required in the third professional year of Pharm.D. curriculum.

2. Six hours of specified experiential courses will satisfy the six elective hours required in the MBA curriculum.

Throughout and following the professional Pharm.D. program, the student must complete the second year of MBA curriculum, which includes:

**Students must take the following 6 courses:**

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<td>MBA 6623</td>
<td>Marketing Management</td>
<td>3</td>
</tr>
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<td>3</td>
</tr>
<tr>
<td>MBA 6628</td>
<td>Applied Business Solutions</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours 18
In addition, students must take 2 courses from the following list:

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<td>Productivity Management</td>
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<td>MBA 6637</td>
<td>Introduction to Business Analytics</td>
<td>3</td>
</tr>
<tr>
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<td>3</td>
</tr>
<tr>
<td>INFO 6670</td>
<td>Management of Informatics Projects</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 6

Upon completion of all required MBA classes, the student may take the MBA final oral exam.

Award of the MBA degree requires successful completion of the Pharm.D. degree or a bachelor’s degree at Idaho State University.

Admission Requirements

Admission to the MBA program will normally take place at the end of the second professional year. PharmD students must meet the regular admission requirements of the MBA program except they are required to have completed only the equivalent of an undergraduate degree at the time of admission. Applicants must request the College of Pharmacy to certify to the Graduate School that the student has completed 120 hours and that those 120 hours are equivalent to an undergraduate degree.

Waiver of Requirements

Course requirements will be waived for students who can demonstrate that they have taken equivalent courses within the last 5 years. If a course is waived, the student is required to substitute an alternative course in the field of study that was waived. Waiver of courses and substitutions must be approved by the MBA Director.

Academic Requirements

Any student who, after admission to the College of Business certificate program, falls below a 3.0 GPA or receives two C+ grades or a grade of D or F in any course is deemed to be doing unsatisfactory work and is subject to dismissal from the program. A student dismissed for academic reasons may apply for readmission to the certificate program no earlier than four months following his/her dismissal. Requests for readmission will be denied unless the student can demonstrate that the reasons for the previous unsatisfactory work have been rectified and he/she shows evidence of ability to perform satisfactorily in the certificate program. Courses in which a grade of D or F has been earned will not be counted toward fulfillment of program requirements. Students may not use more than two courses with a grade of C+ to satisfy certificate completion requirements.

Master of Accountancy

Admissions Requirements

The student must apply to, and meet all the criteria for, admission to the Graduate School, and all additional College of Business requirements.

Admission to the MAcc program is granted only to students showing high promise of success. The College of Business uses various measures to determine this likelihood. However, the minimum requirement for admission is based on the following formula:

- The sum of 200 times the grade point average in the last 60 credits of course work (4.0 system) plus the total score on the Graduate Management Admissions Test must equal at least 1150 points.

Applicants must hold a bachelor’s degree in accounting or equivalent coursework if the degree is not in accounting.

For applicants from schools with different grading systems a GPA will be inferred as accurately as possible. Also, graduate courses will be included in the last sixty hours GPA calculation. For applicants with a significant amount of recent upper-division academic course work versus course work that is considerably older, we may choose to consider only the recent GPA.

Individuals holding a current master’s degree from a regionally accredited institution may meet minimum requirements and be considered for admission if they meet the Graduate School requirements regarding GRE scores, in which case the student is not required to take the GMAT for admission.

All applicants are required to submit a resume outlining work experience, a statement of purpose, and two letters of reference.

Please note that no individual can be admitted to classified status in the MAcc program until the College of Business has received the applicant’s official transcripts and official GMAT/GRE scores.

Applications are accepted at any time. Complete applications are reviewed the first working day of each month up to the Graduate School deadlines for admission.

Course Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 5531</td>
<td>Advanced Tax Concepts</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 5533</td>
<td>Legal Environment of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>or MGT 5561</td>
<td>Business Law</td>
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<tr>
<td>ACCT 5557</td>
<td>Advanced Auditing</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 5561</td>
<td>Advanced Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 5571</td>
<td>Accounting Capstone 1</td>
<td>1</td>
</tr>
<tr>
<td>ACCT 5572</td>
<td>Accounting Capstone 2</td>
<td>1</td>
</tr>
<tr>
<td>ACCT 5573</td>
<td>Accounting Capstone 3</td>
<td>1</td>
</tr>
<tr>
<td>ACCT 5574</td>
<td>Accounting Capstone 4</td>
<td>1</td>
</tr>
<tr>
<td>ACCT 6625</td>
<td>Managerial Control Systems and</td>
<td>3</td>
</tr>
<tr>
<td>or MBA 6625</td>
<td>Corporate Social Responsibility</td>
<td></td>
</tr>
<tr>
<td>ACCT 6631</td>
<td>Accounting Theory</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 6634</td>
<td>Seminar in Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MBA 6622</td>
<td>Financial Management</td>
<td>3</td>
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<tr>
<td>ACCT 6660</td>
<td>Accounting for Governmental and</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Not-for-Profit Entities</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 31

Program of Study

All MAcc students are required to meet with the Graduate Studies Director, who serves as the program advisor, prior to or during their initial term in the program in order to develop an approved program of study. Students will be blocked from registering for the next term until this program of study is approved. Once students have successfully met all the requirements of the program of study, they are eligible to graduate in the corresponding semester.

Academic Requirements

Any student who, after admission to the College of Business graduate program, falls below a 3.0 GPA or receives two C (C+, C, or C-) grades or a grade of D+ or lower in the MAcc program is deemed to be doing unsatisfactory work and is subject to review by the College of Business Graduate Administrative Committee and dismissal from the program. A student dismissed for academic reasons may apply for readmission to the graduate program no earlier than four months
following his/her dismissal. Requests for readmission will be denied unless the student can demonstrate that the reasons for the previous unsatisfactory work have been rectified and can show evidence of ability to perform satisfactorily in the MAcc program.

Courses in which a grade of D+, D, D– or F has been earned will not be counted towards fulfillment of MAcc program requirements. Students may not use more than two courses with a grade of C+, C or C– to satisfy graduation requirements. Students must achieve a 3.0 or better GPA in order to graduate.

**Time Limit**

Any course used to meet graduation requirements must be completed within five years prior to the date of graduation.

**Master of Science in Health Informatics**

**Making a difference through Informatics...**

The Master of Science in Health Informatics degree makes it possible to apply your skills in information technology and information systems in health care, an area that directly impacts lives. The MSHI helps bridge the gap between the medical and administrative knowledge possessed by healthcare personnel and the information technology knowledge possessed by informaticists.

**Admission Requirements**

The student must apply to, and meet all the criteria for, admission to the Graduate School, and all additional College of Business requirements.

Admission to the MSHI program is granted only to students showing high promise of success. The College of Business uses various measures to determine this likelihood. However, the minimum requirement for admission is based on the following formula:

- The sum of 200 times the grade point average in the last 60 credits of course work (4.0 system) plus the total score on the Graduate Management Admissions Test must equal at least 1150 points.
- The percentile of the Medical College Admission Test must be equal to or at least 50 percent

For applicants from schools with different grading systems a GPA will be inferred as accurately as possible. Also, graduate courses will be included in the last sixty hours GPA calculation. For applicants with a significant amount of recent upper-division academic course work versus course work that is considerably older, we may choose to consider only the recent GPA.

Individuals holding a current master’s degree from a regionally accredited institution may meet minimum requirements and be considered for admission if they meet the Graduate School requirements regarding GRE scores, in which case the student is not required to take the GMAT for admission.

All applicants are required to submit a resume outlining work experience, a statement of purpose, and two letters of reference.

Please note that no individual can be admitted to classified status in the MSHI program until the College of Business has received the applicant’s official transcripts and official GMAT/GRE scores.

Applications are accepted at any time. Complete applications are reviewed the first working day of each month up to the Graduate School deadlines for admission.

Students without a degree in a computing discipline will be admitted into the MSHI-1 requirements.

The MSHI-2 is a 36 credit hour program. Students can select from two options: 33 credits of coursework plus 3 credits of Informatics Project, or 30 credits of coursework plus 6 credits of thesis.

**MSHI-1 Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO 3303</td>
<td>Informatics Concepts</td>
<td>3</td>
</tr>
<tr>
<td>INFO 3380</td>
<td>Networking and Virtualization</td>
<td>3</td>
</tr>
<tr>
<td>INFO 5507</td>
<td>Database Design and Implementation</td>
<td>3</td>
</tr>
<tr>
<td>INFO 5417</td>
<td>Statistical Methods for Data Analytics</td>
<td>3</td>
</tr>
<tr>
<td>INFO 5520</td>
<td>Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>INFO 5522</td>
<td>Health Information Governance</td>
<td>3</td>
</tr>
<tr>
<td>INFO 5524</td>
<td>Healthcare Workflow Process Analysis and Redesign</td>
<td>3</td>
</tr>
<tr>
<td>INFO 5526</td>
<td>Health Data Analytics</td>
<td>3</td>
</tr>
<tr>
<td>INFO 6528</td>
<td>Electronic Health Records</td>
<td>3</td>
</tr>
<tr>
<td>INFO 6540</td>
<td>Health Clinical Practicum</td>
<td>3</td>
</tr>
<tr>
<td>INFO 6670</td>
<td>Management of Informatics Projects</td>
<td>3</td>
</tr>
<tr>
<td>HCA 5575</td>
<td>Health Law and Bioethics</td>
<td>3</td>
</tr>
<tr>
<td>MPH 6607</td>
<td>US and Global Health Systems</td>
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**Total Credits**

| 39 |

**Thesis Option**

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<tbody>
<tr>
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<td>Thesis</td>
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**Total Hours**

| 6 |

**Project Option**

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<tbody>
<tr>
<td>INFO 6660</td>
<td>Informatics Project</td>
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<td>Plus one INFO 6000-Level Elective</td>
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**Total Hours**

| 6 |

**MSHI-2 Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO 5417</td>
<td>Statistical Methods for Data Analytics</td>
<td>3</td>
</tr>
<tr>
<td>INFO 5520</td>
<td>Health Informatics</td>
<td>3</td>
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<td>Health Information Governance</td>
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<td>Healthcare Workflow Process Analysis and Redesign</td>
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<td>Health Data Analytics</td>
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<td>Electronic Health Records</td>
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<td>Health Clinical Practicum</td>
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<tr>
<td>MPH 6607</td>
<td>US and Global Health Systems</td>
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</table>

**Total Credits**

| 30 |

**Thesis Option**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO 6650</td>
<td>Thesis</td>
<td>1-6</td>
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**Total Hours**

| 6 |

**Project Option**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO 6660</td>
<td>Informatics Project</td>
<td>1-3</td>
</tr>
<tr>
<td>Plus one INFO 6000-Level Elective</td>
<td></td>
<td>3</td>
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</tbody>
</table>
Program of Study

All MSHI students are required to meet with the Graduate Studies Director or informatics advisor prior to or during their initial term in the program in order to develop an approved program of study. Students will be blocked from registering for the next term until this program of study is approved.

Concurrent BBA and MS in Health Informatics

Good students qualifying for advanced standing, who have at least a 3.0 GPA, and are within 30 credits of completion of the BBA can apply for the program. They need to formally apply, including submitting an application to the School of Graduate Studies, obtain three letters of recommendation, and take the Graduate Record Examination (GRE) General Test, GMAT, or MCat. If their qualifications are satisfactory, students can be admitted to the MS program.

Applicants must submit a 2-year plan and a Master’s Check Sheet with the application. This plan will include the courses that will finish the requirements for the Master's degree. The Master’s Check Sheet outlines the courses you will take to fill the requirements for the Master's degree.

If you are accepted, you will become a Concurrent Candidate. Students will be allowed to enroll in 5000 level classes upon acceptance. You will NOT receive EITHER degree until the ALL the requirements are completed.

REQUIRED Courses to COMPLETE the BBA/MS HI

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ISU General Education Requirements</td>
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<tr>
<td>College of Business Undergraduate Business Core</td>
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<tr>
<td>INFO 1150</td>
<td>Software and Systems Architecture</td>
<td>3</td>
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<tr>
<td>INFO 1181</td>
<td>Informatics and Programming I</td>
<td>3</td>
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<td>or CS 1181</td>
<td>Computer Science and Programming I</td>
<td>3</td>
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<tr>
<td>INFO 1182</td>
<td>Informatics and Programming II</td>
<td>3</td>
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<tr>
<td>or CS 1182</td>
<td>Computer Science and Programming II</td>
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<tr>
<td>INFO 3307</td>
<td>Systems Analysis and Design</td>
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<tr>
<td>INFO 3330</td>
<td>Health Informatics</td>
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<td>or HCA 3330</td>
<td>Health Information Systems</td>
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<td>INFO 3380</td>
<td>Networking and Virtualization</td>
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<tr>
<td>INFO 4407</td>
<td>Database Design and Implementation</td>
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<td>INFO 4422</td>
<td>Health Information Governance</td>
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<tr>
<td>HCA 4465</td>
<td>Healthcare Operations and Quality</td>
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<tr>
<td>INFO 5524</td>
<td>Healthcare Workflow Process Analysis and Redesign</td>
<td>3</td>
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<td>MPH 6607</td>
<td>US and Global Health Systems</td>
<td>3</td>
</tr>
<tr>
<td>INFO 6660</td>
<td>Informatics Project</td>
<td>3</td>
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<tr>
<td>Plus two approved 5000 or 6000 level electives</td>
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<td></td>
</tr>
<tr>
<td>Total Credits</td>
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</tr>
</tbody>
</table>

Master of Taxation

The student must apply to, and meet all criteria for, admission to the Graduate School, and all additional College of Business requirements. Students are required to submit GMAT or GRE scores.

The minimum requirement for admission is defined by the following:

Undergraduate degree in accounting from an accredited institution. Must be a licensed Certified Public Accountant or have either passed the CPA exam or have taken the GMAT or GRE within the last five years. Previous academic or other experience must indicate a high probability of success in the program.

Meeting the minimum formula requirement does not assure admission to the program since other factors may be considered if they are deemed important in the assessment of the applicant’s probable success. All applicants will be required to submit a resume outlining work experience and two letters of recommendation.

Program of Study

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 5533</td>
<td>Legal Environment of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 5531</td>
<td>Advanced Tax Concepts</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 6611</td>
<td>Corporate Taxation I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 5561</td>
<td>Advanced Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 6612</td>
<td>Corporate Taxation II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 6621</td>
<td>Partnership Taxation</td>
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</tr>
<tr>
<td>ACCT 6634</td>
<td>Seminar in Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 6601</td>
<td>Tax Procedure</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 6646</td>
<td>State, Local, and International Taxation</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT 6648</td>
<td>Gift and Estate Tax Planning</td>
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<tr>
<td>ACCT 5571</td>
<td>Accounting Capstone 1</td>
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<tr>
<td>ACCT 5572</td>
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<td>ACCT 5573</td>
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<tr>
<td>ACCT 5574</td>
<td>Accounting Capstone 4</td>
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</tr>
<tr>
<td>Total Credits</td>
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</tbody>
</table>

Accounting Courses

ACCT 5500 Managerial Tax Planning: 3 semester hours.

For prospective business managers, owners, or investors interested in important tax consequences of alternative financial transactions.

ACCT 5503 Accounting Information Systems: 3 semester hours.

A strategic approach to the use of accounting information in an organization. Tools for documentation of business processes and database design are introduced. Focuses on primary business cycles, interrelationship among them, and impact on accounting information. Includes assessment of risks involved in information processing and reporting. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: ACCT 3323.

ACCT 5531 Advanced Tax Concepts: 3 semester hours.

Specialized federal tax concepts and tax research principles for individuals, businesses, estates, and trusts. Elaborates on basic principles discussed in Principles of Taxation. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus.

ACCT 5533 Legal Environment of Accounting: 3 semester hours.

Study of legal issues facing accountants, including business law, forms of organizations, and regulatory requirements.

ACCT 5541 Management Control Systems: 3 semester hours.

Focuses on strategic and managerial evaluation and control systems using financial and nonfinancial accounting information. PREREQ: ACCT 3341
ACCT 5556 Auditing: 3 semester hours.
Concepts and practices of independent and internal auditing. Professional responsibilities, risk assessment, audit planning and reporting. PRE-or-COREQ: ACCT 4403 or ACCT 5503 or CIS 4403 or CIS 5503. PREREQ: ACCT 3324

ACCT 5557 Advanced Auditing: 3 semester hours.
Integration of financial statement auditing concepts in case discussions. Research into contemporary auditing literature.

ACCT 5560 Governmental and Not-for-Profit Accounting: 3 semester hours.
Accounting and reporting principles, standards and procedures applicable to governmental units and not-for-profit institutions, i.e. universities, hospitals. Special consideration to financial management problems peculiar to the not-for-profit sector. PREREQ: ACCT 3324.

ACCT 5561 Advanced Accounting: 3 semester hours.
Study of accounting problems arising in connection with partnerships, corporate affiliation; institutional, social, and fiduciary accounting; consignments; installment sales; and foreign exchange.

ACCT 5570 Contemporary Issues in Managerial Accounting: 3 semester hours.
Contemporary topics and emerging issues in managerial accounting. This field is rapidly evolving to meet the needs of enterprises competing in a dynamic global environment. PREREQ: ACCT 3341

ACCT 5571 Accounting Capstone 1: 1 semester hour.
Capstone course integrating accounting regulation topics. Emphasis on analytical, problem-solving and communication skills.

ACCT 5572 Accounting Capstone 2: 1 semester hour.
Capstone course integrating financial accounting and reporting topics. Emphasis on analytical, problem-solving and communication skills.

ACCT 5573 Accounting Capstone 3: 1 semester hour.
Capstone course integrating auditing and attestation topics. Emphasis on analytical, problem-solving and communication skills.

ACCT 5574 Accounting Capstone 4: 1 semester hour.
Capstone course integrating business environment and concept topics. Emphasis on analytical, problem-solving and communication skills.

ACCT 5580 Comparative International Accounting: 3 semester hours.
Study of systems that have proven to be problems in an international accounting context, particularly for corporate financial reporting. Also, the progress toward international harmonization of financial reporting and taxation.

ACCT 5590 Financial Reporting and Statement Analysis: 3 semester hours.
A financial accounting capstone course focusing on statement analysis from the point of view of the many users of financial statements: investors, creditors, managers, auditors, analysts, regulators, and employees through the case analysis of actual companies' financial statements. PREREQ: ACCT 4461 or ACCT 5561.

ACCT 5591 Seminar in Accounting: 3 semester hours.
Reading, discussion, and preparation of reports on selected topics. Restricted to senior and graduate students in business who have the consent of the instructor. Specialized evaluated graduate level activities and performances are identified in the course syllabus. May be repeated for up to 6 credits with permission of instructor.

ACCT 5592 Special Problems in Accounting: 1-3 semester hours.
Research and reports on selected problems or topics in accounting. Restricted to senior and graduate students in business who have the consent of the Dean. May be repeated under a different title for a maximum of 9 credits with the permission of the major advisor and the Dean.

ACCT 5593 Accounting Internship: 1-3 semester hours.
A program of significant business experience coordinated by the faculty to provide a broad exposure to issues. May be repeated up to a total of 3 credits.

ACCT 5599 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

ACCT 6601 Tax Procedure: 3 semester hours.
Taxpayers' relationships with the Internal Revenue Service, including requests for rulings; conference and settlement procedures; deficiencies and their assessment; choice of forum; tax court practice; limitation periods and their mitigation, transferee liability; tax liens; and civil penalties.

ACCT 6611 Corporate Taxation I: 3 semester hours.
Tax considerations in corporate formations, distributions, reorganizations, and liquidations. Some general consideration of the tax alternatives relating to the sales of corporate businesses.

ACCT 6612 Corporate Taxation II: 3 semester hours.
Corporate reorganizations; corporate acquisitions and divisions, including transfer or inheritance of losses and other tax attributes; corporate penalty taxes; consolidated returns provisions. PREREQ: ACCT 6611.

ACCT 6621 Partnership Taxation: 3 semester hours.
Tax meaning of 'partnership' formation transactions between partner and partnership; determination and treatment of partnership income; sales or exchange of partnership interest; distributions; retirement; death of a partner; drafting the partnership agreement.

ACCT 6625 Managerial Control Systems and Corporate Social Responsibility: 3 semester hours.
The managerial and strategic use of control systems. Current practices in corporate social responsibility management and reporting practices. The interrelationship between management control systems and corporate social responsibility.

ACCT 6631 Accounting Theory: 3 semester hours.
Study of accounting conceptual framework and accounting principles. Case discussions and research into contemporary accounting literature.

ACCT 6632 Advanced Auditing: 3 semester hours.
Integration of auditing concepts in case discussions. Research into contemporary auditing literature and databases. PREREQ: ACCT 5556.

ACCT 6634 Seminar in Accounting: 3 semester hours.
Capstone course integrating special problems of financial, managerial, and tax accounting. Emphasis on analytical and communication skills. PREREQ: ACCT 5561.

ACCT 6635 Strategic Cost Management: 3 semester hours.
Critical examination of various cost management issues and techniques with emphasis on strategic, behavioral, and cultural issues. PREREQ: MBA 6611, MBA 6615 and MBA 6616.

ACCT 6641 Tax of Individuals and Property: 3 semester hours.
Taxation of Individuals and Property Transactions: Tax problems of individual taxpayers; problems incident to the sale, exchange, and other disposition of property, including recognition and characterization concepts.

ACCT 6645 Tax Research, Planning, and Policy: 3 semester hours.
Instruction in tax research techniques leading to a research project on a federal tax subject; examination of the principal criteria used to make choices on forms of taxation and the impact of tax provisions on type and location of business and investment activities.

ACCT 6646 State, Local, and International Taxation: 3 semester hours.
Nature and purpose of state taxation; comparison of property and excise taxes; uniformity of taxation; assessment and collection procedures; remedies available to taxpayers. Survey of international tax regimes and consequences of various cross-border business transactions.
ECON 6610/MBA 6610 or permission of instructor.

ACCT 6647 Tax Exempt Organizations: 3 semester hours.
A study of the exemption from federal income tax accorded to a variety of public and private organizations and the tax treatment of contributions to such organizations; public policies underlying exemption from tax and deductibility of contributions.

ACCT 6648 Gift and Estate Tax Planning: 3 semester hours.
Taxation of trust and estate income, including simple and complex trusts, annuities, property distributions, income in respect of a decedent, grantor trusts. Planning lifetime and testamentary dispositions of property; postmortem planning; analysis of small and large estates; eliminating and offsetting complicating and adverse factors; selection of a fiduciary and administrative provisions.

ACCT 6660 Accounting for Governmental and Not-for-Profit Entities: 3 semester hours.
In-depth study of accounting and reporting principles, standards and procedures applicable to government and nonprofit entities with an emphasis on topics unique to these institutions.

ACCT 6699 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

Economics Courses

ECON 5504 Game Theory: 3 semester hours.
Use game theory to model conflicts, cooperation and strategy, with applications in economics, business, political science, psychology, sociology, anthropology and biology. Equilibrium concepts, information structures, static and multi-period games will be discussed. PREREQ: ECON 2201 and ECON 2202 or ECON 6610/MBA 6610 or permission of instructor.

ECON 5509 Industrial Organization: 3 semester hours.
Industrial organization extends the theory of the firm to examine firms’ strategic behavior, including methods to differentiate products and aggressive prizing schemes, and the government's response to these activities. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: ECON 2201 and ECON 2202 or MBA 6610.

ECON 5511 Political Economy: 3 semester hours.
A critical introduction to the relationship between economic institutions and social analysis. The social implications of different views on economic concepts, such as the division of labor, capital, and value, are investigated from a classical, neoclassical and an institutional perspective.

ECON 5531 Money and Banking: 3 semester hours.
The study of financial instruments, money, interest rates, the banking industry, and the structure and monetary policies of the Federal Reserve Bank. An examination of past and present monetary policy. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: ECON 2201 and ECON 2202 or MBA 6610.

ECON 5533 Economic Development: 3 semester hours.
Theories and principles of economic development, characteristics, and problems of underdeveloped and developing countries, alternative techniques and policies for the promotion of growth and development.

ECON 5534 International Trade: 3 semester hours.
Study government trade policies, trade laws, and national and international trade institutions. Study trade strategy from the perspective of governments and business. Understand the different levels of economic integration among countries and the political economy of trade policies and trade conflicts/cooperations. Specific evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: ECON 2201 and ECON 2202 or ECON 6610/MBA 6610 or permission of instructor.

ECON 5535 International Finance: 3 semester hours.
Study foreign exchange market and theories of exchange rate determination. Discuss the effectiveness of fiscal and monetary policies in an open economy and the implications of international macroeconomic policy coordination/conflict for government officials and business. Learn about foreign exchange hedging and risk management for country and business. Study lessons from recent international financial crises. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: ECON 2201 and ECON 2202 or ECON 6610/MBA 6610 or permission of instructor.

ECON 5538 Public Finance: 3 semester hours.
Study of government revenues, expenditures, and debt management, including an analysis of the effects of these governmental activities on the American economy. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: ECON 2201 and ECON 2202 or MBA 6610.

ECON 5539 State and Local Finance: 3 semester hours.
Study of taxation, borrowing and spending by state, city, county and other local governments. Taxing and spending patterns are evaluated and compared by states.

ECON 5572 Comparative Economic Systems: 3 semester hours.
Study and comparison of the theories and practices found in various economic systems. Includes a study of both the free market and socialistic planning.

ECON 5574 Senior Seminar: 3 semester hours.
Discussion-driven capstone class that integrates selected topics in economics. Students will be required to do economic research, and write on and discuss current economic issues. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: Permission of instructor.

ECON 5581 Independent Study: 1-3 semester hours.
Individuals will be assigned independent problems for research under the supervision of a departmental faculty member. May be repeated up to 6 credits.

ECON 5585 Econometrics: 3 semester hours.
The application of statistical and mathematical methods to the analysis of economic data, with a purpose of giving empirical content to economic theories and verifying them or refuting them.

ECON 5591 Economic Seminar: 1-3 semester hours.
Seminar. May be repeated.

ECON 5592 Economic Seminar: 1-3 semester hours.
Seminar. May be repeated.

ECON 5597 Professional Education Development Topics: 1-3 semester hours.
A course for practicing professionals aimed at the development and improvement of skills. May not be applied to graduate degrees. May be repeated. May be graded S/U.

ECON 5599 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

ECON 6610 Applied Economics: 3 semester hours.
Applied principles and techniques of analysis in micro and macro economics. Equivalent to MBA 6610.

ECON 6620 Seminar Philosophy of Social Science: 3 semester hours.
The application of mathematical and scientific methods to the study of social, economic, and political life will be considered through the reading of certain seminal writings. Attention will be given to the fundamental assumptions about the nature of scientific rationality. Required of D.A. students.
ECON 6621 Seminar Interdisciplinary Topics in Social Sciences: 3 semester hours.
Examination of selected topics in the social sciences from the analytic orientations and perspectives common and peculiar to the disciplines of political science, economics and sociology. Required of D.A. students.

ECON 6650 Thesis: 1-6 semester hours.
The student will do research of an economic nature supervised by a faculty member in the Economics Department. The research project will be of an interdisciplinary nature and the student will be supervised by faculty members from the department(s) involved as well as from the Economics Department. 1-6 credits. May be repeated. Graded S/U.

ECON 6699 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

Finance Courses

FIN 5505 Advanced Corporate Financial Management: 3 semester hours.
Evaluation and analysis for financial decision making. Asset valuation, cost of capital, leasing, dividend policy, mergers and acquisitions, IPOS, asset restructuring and additional topics related to firms' financial decisions and performance. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: FIN 3315 or MBA 6615.

FIN 5531 Financial Modeling: 3 semester hours.
Survey of integrative modeling with special applications of computer models. Includes topics from cash flow forecasting, mergers and acquisition, financial structure, and capital budgeting.

FIN 5545 Real Estate Finance: 3 semester hours.
Principles and methods of valuing business and residential land and improvements; analysis of sources and methods used in the financing of construction and development.

FIN 5548 Financial Management of Depository Institutions: 3 semester hours.
An analysis of the managerial issues which affect the financial performance of depository institutions such as capital adequacy, liquidity and asset/liability management techniques, profitability analysis, funding and investment decisions.

FIN 5551 Student-Managed Investment Fund I: 3 semester hours.
Management of the D.A. Davidson Student-Managed Investment Fund. Students act as financial analysts. Provides students with real-world knowledge and judgment crucial to sound investing. Students may apply either FIN 5551 or FIN 5552, but not both, toward their electives.

FIN 5552 Student-Managed Investment Fund II: 3 semester hours.
Management of the D.A. Davidson Student-Managed Investment Fund. Students act as financial analysts. Emphasis on security selection, portfolio management, and creation of an annual report. Student can apply either FIN 5551 or FIN 5552, but not both, toward their electives.

FIN 5564 Entrepreneurial Finance: 3 semester hours.
Course develops financial and managerial skills important to students who are interested in pursuing careers in an entrepreneurial setting. Topics include: financial issues unique to entrepreneurial firms, development of skills with wide application in entrepreneurial situations, and financing sources available to entrepreneurial companies.

FIN 5575 International Corporate Finance: 3 semester hours.
Study of financing investment projects abroad including the tapping of overseas capital markets, financing export transactions, hedging foreign exchange risks, and the control alternatives of international business.

FIN 5578 Investments: 3 semester hours.
Fundamental principles in the risk-return valuation of financial instruments. Topics include the institutional framework in which securities are traded, modern portfolio theory, asset pricing, derivatives, and portfolio management.

FIN 5580 Financial Analysis and Performance: 3 semester hours.
Modeling, measuring and interpreting financial and strategic management of firms for decision making from a short- and long-term perspective. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: FIN 3315 or MBA 6615.

FIN 5584 Options and Futures: 3 semester hours.
Examination of the pricing and use of options, financial futures, swaps, and other derivative securities.

FIN 5591 Seminar in Finance: 3 semester hours.
Reading, discussion and preparation of reports on selected topics. Restricted to senior and graduate students in business who have the consent of the instructor. May be repeated with instructor's permission for up to 6 credits.

FIN 5592 Special Problems in Finance: 2-3 semester hours.
Research and reports on selected problems or topics in finance. Restricted to senior and graduate students in business who have the consent of the Dean. May be repeated under different title for a maximum of 9 credits with the permission of the major advisor and the Dean.

FIN 5599 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

FIN 6699 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

Health Care Admin Courses

HCA 5515 Physician Practice Management: 3 semester hours.
The course will provide an overview of physician practice management concepts with an emphasis on business management concepts including revenue cycle management, supply chain management, business law, human resource management and marketing. Students will identify and develop solutions to management cases peculiar to the practice management arena.

HCA 5550 Special Topics in Healthcare: 1-3 semester hours.
Topics relevant to health professionals. May be repeated for up to 9 credits with different titles or content. Graded S/U.

HCA 5553 Healthcare Finance: 3 semester hours.
The application of financial management principles, practices, and techniques used in healthcare organizations. An understanding and analysis of how these financial tools are used in decision making and how they are integrated into the healthcare organization's planning process. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: ACCT 2202 and FIN 3315 or equivalent.

HCA 5565 Health Care Operations and Quality: 3 semester hours.
This capstone course in health care administration addresses the application of managerial concepts and practices within various health care environments, including acute, ambulatory, mental health, and long term care organizations. Topics include issues/trends and best practices related to governance, leadership, management; planning and marketing; quality assessment/operations improvement; and maximizing human resources and financial performance. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus.
HCA 5573 Marketing for Health Care Organizations: 3 semester hours.
Introduction to basic marketing management issues as they pertain to healthcare. Current marketing trends in the health care marketplace. Consumer orientation, health care marketing plans, and strategy development. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus.

HCA 5575 Health Law and Bioethics: 3 semester hours.
This course develops a roadmap to facilitate risk management in the provision of healthcare services. Issues addressed include regulation and licensure, liability, selected aspects of public programs, and ethical issues regarding death, reproduction, and research. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: HCA emphasis and permission of HCA department chair.

HCA 5599 Experimental Course: 1-6 semester hours.
This course is not described in the catalog. The course title and number of credits are announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

HCA 6610 Industry in Transition: 2 semester hours.
Current readings from the popular and academic literature are used to explore and to understand the critical aspects of access, cost, and quality healthcare delivery across all areas of the industry.

HCA 6615 Health Services Management: 3 semester hours.
Determination and fulfillment of mission, plans, and structure, motivating individuals, and managing activities to support people in their work and in the achievement of their goals.

HCA 6620 Economics and Reimbursement: 2 semester hours.
In-depth synthesis of the insurance and reimbursement practices in today's healthcare environment, and the economic foundations upon which they are based.

HCA 6625 Healthcare Law and Bioethics: 3 semester hours.
Comprehensive coverage of legal issues and the ethical implications of the law as applied to regulation and licensure, health care financing, Medicare and Medicaid, health care reform, and other relevant current issues.

HCA 6630 Financial Management: 3 semester hours.
The application of financial management principles, practices, and techniques used in healthcare organizations. Financial tools as decision making, strategy, and planning tools.

HCA 6635 Healthcare IT and Quality: 2 semester hours.
Healthcare IT management framework, hardware and software, project management, and the collection, use, security of health information, external accreditation processes, and internal quality improvement programs.

HCA 6640 Healthcare Policy: 2 semester hours.
The formulation of priorities, development of legislation, implementation of legislative provisions through administrative action, and their effect on population health.

HCA 6645 Strategic Management: 3 semester hours.
An integration of the principles of organization management, finance, and marketing. Market analysis and positioning including strategic planning and new program development. The leader's role in strategy formulation and implementation.

HCA 6651 Masters Project: 1-3 semester hours.
Under the guidance of a supervising committee, each student will conduct an in-depth project specific to a current issue or problem in healthcare management. Written documentation and an oral defense of the project are required. Must be taken for three credits the first time this course is taken. May be repeated for variable credit thereafter. 1 to 3 credits. Graded S/U.

HCA 6660 Applied Research: 3 semester hours.
Students will develop the knowledge and skills needed to investigate and address important issues in health organizations using the methods of health services research, as well as to effectively use and evaluate the published literature. How to identify and define a question that is researchable, appropriately use primary and secondary data, choose and execute appropriate research designs, and select and apply appropriate qualitative, quantitative, survey, and evaluation methods.

HCA 6665 Health Insurance and Reimbursement: 3 semester hours.
Introduction to, and analysis of, health insurance in the United States. Select topics include reimbursement systems, public and private health insurance; their impact on patients, organizations, society, care delivery modes, and clinical and managerial quality.

HCA 6680 Applied Topics in Health Care: 3 semester hours.
Advanced readings and analysis in the areas of health economics, health finance, social aspects of medicine, bioethics, public health, and epidemiology.

HCA 6682 US Health Systems and Policy: 3 semester hours.
An examination of US health industry, systems, and organizations from the four-point perspective of access, quality, finance, and policy.

HCA 6691 Independent Problems in Health Care Administration: 1-3 semester hours.
Individual work under faculty guidance. May be repeated for up to 6 credits.

HCA 6699 Experimental Course: 1-6 semester hours.
This course is not described in the catalog. The course title and number of credits are announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

Informatics Courses

INFO 5307 Intermediate Systems Analysis and Design: 3 semester hours.
Provides a general understanding of the systems development life cycle and develops the analytical skills required to thoroughly understand a problem and formulate the optimal solution. Projects will require the student to use process modeling techniques to assist in the analysis and design process. Requirements gathering is emphasized. The analysis and design of web-based systems is included.

INFO 5417 Statistical Methods for Data Analytics: 3 semester hours.
Encompasses data visualization, descriptive data analysis, ANOVA approaches, correlation and multiple regression and additional modeling topics. Emphasis will be based upon appropriate interpretation of statistical results. All data will include a business or health care context to acquaint students with current statistical practice.

INFO 5507 Database Design and Implementation: 3 semester hours.
Covers multi-user relational database management systems, stored procedures, SQL, transaction processing, etc. The course emphasizes Secure Software Design, which includes secure design elements, software architecture, secure design review, and threat modeling. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PRE-or-COREQ: INFO 5307.
INFO 5511 Intermediate Information Assurance: 3 semester hours.
Focuses on homeland security, information assurance, integrity, control, and privacy. Covers CNSS-4011, national policy, and international treaties. The course considers Access Control, Application Security, Business Continuity and Disaster Recovery Planning, Cryptography, Information Security and Risk Management, Legal, Regulations, Compliance and Investigations, Operations Security, Physical (Environmental) Security, Security Architecture. Includes security issues around steady state operations and management of software, as well as security measures taken when a product reaches its end of life. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: INFO 2285 or CS 2275 or INFO 3310, or permission of instructor.

INFO 5512 Systems Security for Senior Management: 1-3 semester hours.
Review of system architecture, system security measures, system operations policy, system security management plan, and provisions for system operator and end user training. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. COREQ: INFO 5519. PREREQ: INFO 5511, INFO 5513, INFO 5514, INFO 5515, and INFO 5516 or permission of instructor.

INFO 5513 Systems Security Administration: 1-3 semester hours.
Outlines the basic principles of systems security administration. The student will be introduced to the methods and technologies associated with running a system to maintain privacy and security. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. COREQ: INFO 5519. PREREQ: INFO 5511 or permission of instructor.

INFO 5514 Systems Security Management: 1-3 semester hours.
Establishes a framework for managing both systems and systems administrators operating in a secure and private computing environment. The course deals with facilities management, contingency plans, laws, standards of conduct and operations management. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. COREQ: INFO 5519. PREREQ: INFO 5511 and INFO 5513 or permission of instructor.

INFO 5515 System Certification: 1-3 semester hours.
Describes techniques and methods for certifying a system is in compliance with national and governmental information assurance standards. Evaluates various certification methodologies. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. COREQ: INFO 5519. PREREQ: INFO 5511, INFO 5513, and INFO 5514 or permission of instructor.

INFO 5516 Risk Analysis: 1-3 semester hours.
Launches techniques to characterize and provide perspective on the likelihood of adverse events. Explains methods to characterize the consequences and general costs associated with the various adverse events occurring. The analysis provides insights into various likelihood and consequence combinations. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. COREQ: INFO 5519. PREREQ: INFO 5511, INFO 5513, INFO 5514, and INFO 5515 or permission of instructor.

INFO 5517 Information Assurance Engineer: 1-3 semester hours.
Focuses on the practical application of systems design and engineering principles and processes to develop secure systems. Topics include analysis of organizational needs, definition of security requirements, designing systems architectures, developing secure designs, implementing system security, and support of systems security assessment/authorization for organizations. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: INFO 5511, INFO 5513, INFO 5514, INFO 5515, and INFO 5516.

INFO 5519 Advanced Informatics Practicum: 1-3 semester hours.
Significant informatics experience including research coordinated by the faculty designed to provide broad exposure to issues in Information Assurance. Does not fulfill major/minor requirements. May be repeated for up to 6 credits. Graded S/U. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: Permission of instructor.

INFO 5520 Health Informatics: 3 semester hours.
Presents an overview of the evolution of health care informatics. Students will learn health care informatics history, concepts, theories, legal and ethical implications, and applications within the health care industry. This course will introduce the student to human factors issues in health care informatics; critical issues affecting the development and implementation of information technologies (clinical, administrative, and learning), knowledge management principles, professional practice trends, and explore some of the emerging information technology in health care. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus.

INFO 5522 Health Information Governance: 3 semester hours.
The aim of this course is to provide a broad base of understanding of the range of issues that IT professionals must be aware of upon entering the healthcare industry. Students will be exposed to the current state of healthcare industry security environments and the larger regulatory environment in which healthcare organizations operate. This is important in light of the recent move towards cloud-based electronic health records (EHRs) and third party-developed health applications. Further, issues relating to privacy/security, information governance and information risk assessment will also be covered. Finally, students will be exposed to interventions that can help mitigate the risks identified. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus.

INFO 5524 Healthcare Workflow Process Analysis and Redesign: 3 semester hours.
The aim of this course is to provide a broad-based understanding of workflow processes in the healthcare industry. In particular, the course will develop skills necessary to critically analyze and redesign the patient flow processes and utilize health IT systems both in the administrative and clinical landscape to achieve greater operational efficiency and provide higher quality of care to patients. Quality improvement methods and tools as well as process change implementation, improvement, and management will also be discussed in this course. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PRE-or-COREQ: INFO 5520.

INFO 5526 Health Data Analytics: 3 semester hours.
Introduction to and the use of intermediate analytical skills to identify trends, correlations to predict outcomes and provide meaningful recommendations. Variety of data sources and structures are identified and transformed into relevant information in the clinical context to improve effectiveness and efficiency, design and plan policy and programs, improve service delivery and operations, enhance sustainability, mitigate risk, and provide a means for measuring and evaluating critical organizational data that helps the healthcare organization to achieve increased quality of care and patient satisfaction. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus.

INFO 5530 Web Application Development: 3 semester hours.
Focuses on the development of dynamic, online applications using a programming language like PHP or ASP.Net and a relational database. The course will consider Secure Software Implementation/Coding, which involves secure coding practices, avoiding vulnerabilities, and reviewing code to ensure that there are no errors in the code or security controls. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: INFO 3307
INFO 5532 Mobile Application Development: 3 semester hours.
This course will introduce mobile app programming and provide theoretical and practical knowledge to design and build mobile applications. Students will learn various techniques in mobile app development using a programming language like Java. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: INFO 1182.

INFO 5571 Computer Forensics Essentials: 1-3 semester hours.
Introduction to issues of both in data privacy and computer forensics - using available tools, learners can reveal the stored passwords on their computer and access previously deleted data. Explains the role of computer forensics in both the business and private world, identifies the current techniques and tools for forensic examinations; describes and identifies basic principles of good professional practice for a forensic computing practitioner; develops familiarity with forensic tools and application in different situations. Risk exposure for electronic commerce businesses; offenders and abuses; criminal opportunities; evidential aspects, case studies, E-discovery, forensic readiness corporate planning and response, from evidence collection to business continuity; testing vulnerabilities; reverse engineering. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: INFO 5507 and INFO 3380 or permission of instructor.

INFO 5572 Cloud Security Essentials: 1-3 semester hours.
Cloud computing provides for distributed computing and data storage capabilities. Instead of buying large servers to store data and being saddled with the cost of building and maintaining those systems, users can now purchase those servers from a third party with the ability to expand or contract those needs as necessary. This course will look at current research results in cloud security in order to identify opportunities for continued research in this field. PREREQ: INFO 5507 and INFO 3380 or permission of instructor.

INFO 5573 Continuous Monitor, Intrusion Analysis, Response: 1-3 semester hours.
Using principles continuous monitoring and baselines, develop knowledge and understanding of the strategies, techniques, and technologies used in attacking and defending networks and how to design secure networks and protect against intrusion, malware and other hacker exploits. Introduces methods of attacking and defending a network; design of secure information infrastructure; servers, networks, firewalls, workstations, and intrusion detection systems. Intrusion detection and network monitoring techniques; worms, viruses and other malware; operation, detection and response; principles of penetration testing for assessment of system security; hacker exploits, tools and countermeasures. Investigative techniques, ethical, legal and privacy issues. PREREQ: INFO 5507, INFO 5511, and INFO 3380 or permission of instructor.

INFO 5574 SCADA Management and Lab: 1-3 semester hours.
Supervisory control and data acquisition systems are used to control many utility networks, chemical plants, pipelines and many other types of industries. This course will examine the vulnerabilities associated with these systems and discuss how they can be made secure from outside attack. Fundamentals of software-controlled processes will also be discussed. PREREQ: INFO 5511, INFO 5507, and INFO 3380 or permission of instructor.

INFO 5582 Systems Development and Implementation Methods: 3 semester hours.
This course presents the process of software development and the methodologies to lower development costs, increase software reliability, decrease development time and ensure application development success. An overview and comparison of traditional and modern methods of software development are presented. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: INFO 5507.

INFO 5584 Secure Software Life Cycle Development: 3 semester hours.
In today's interconnected world, security must be included within each phase of the software lifecycle. This course contains the largest, most comprehensive collection of best practices, policies, and procedures to ensure a security initiative across all phases of application development, regardless of methodology. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus.

INFO 5586 Data Analytics: 3 semester hours.
Provides an overview of the fundamentals of analysis to support decision makers in achieving organizational results. Students become familiar with the tools needed to frame problems, analytical techniques to generate and test hypotheses, and the skills to interpret the results into meaningful information. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: MGT 2217.

INFO 5587 Software Systems Study: 3 semester hours.
In addition to system optimization techniques, management strategies will be discussed. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: INFO 3307.

INFO 5591 Seminar in Informatics: 3 semester hours.
Reading, discussion, and reporting on selected topics. May be repeated for up to 6 credits with permission of instructor. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: Graduate status in Business and permission of instructor.

INFO 5592 Special Problems in Informatics: 1-3 semester hours.
Research and reports on problems or topics in informatics. May be repeated for up to 9 credits with different content. PREREQ: Graduate status in Business and permission of the Chair.

INFO 5593 Informatics Internship: 1-3 semester hours.
Significant business experience coordinated by the faculty to provide broad exposure to informatics issues. Letter grade assigned. May be repeated for a total of 3 credits.

INFO 5599 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

INFO 6528 Electronic Health Records: 3 semester hours.
Introduces students to Electronic Health Records (EHR), which aggregate patient health information across healthcare organizations, providers, and consumers. Students will learn the technical infrastructure required for EHRs including distributed architecture, network and security design, and configuration approaches to support these designs. The course may also discuss vendor and product selection along with best practices for deploying and the transition to EHRs. Students will have hands-on learning experience through simulated EHR activities in different roles within an ambulatory care setting. PREREQ: INFO 5507.

INFO 6540 Health Clinical Practicum: 3 semester hours.
Provides the students with the opportunity to observe and perform various supervised health informatics-related activities in one or more clinical departments. 8 hours per week. NOTE: Some facilities may require a background check. When required, this check will be conducted at the student's expense.

INFO 6610 Advanced Information Assurance: 3 semester hours.
Network and IS security issues, risk assessment, technological, and procedural security measures; computer fraud and privacy issues; hacker attacks, phone fraud, denial of service, and virus and worm attacks; laboratory and professional practice.
INFO 6620 Advanced Systems Analysis and Design: 3 semester hours.
This course builds on basic system analysis and design concepts including distributed systems analysis and design. Use cases, quality assurance, and performance metrics are investigated. The course will also introduce students to some of the most significant trends, issues, and research results in system architecture, analysis, and design.

INFO 6630 Advanced Data Management: 3 semester hours.
This course builds on basic database design and implementation concepts. New developments in database technology are discussed. Students examine the impact of emerging database standards and evaluate the contribution of new approaches to practical implementations of data management. PREREQ: INFO 5507.

INFO 6640 Advanced Data Analytics: 3 semester hours.
This course covers advanced analytical techniques and methods designed to resolve key management issues. Students will learn to resolve issues involving risk and sensitivity and learn to identify patterns of performance, working toward a goal of recognizing insights into the data that will support good decision making. Students may work with a large dataset to convert it to meaningful information by using the analytical tools learned in class.

INFO 6650 Thesis: 1-6 semester hours.
1-6 credits. Graded S/U. May be repeated.

INFO 6660 Informatics Project: 1-3 semester hours.
A significant project involving informatics toward the completion of the M.S. program with non-thesis option. Includes a report and oral examination. Graded S/U. May be repeated.

INFO 6670 Management of Informatics Projects: 3 semester hours.
This course provides an informatics orientation for project management. Students learn techniques for planning, organizing, scheduling, and controlling informatics projects, including software cost estimation and software risk management. Establishing project communications, change management, quality assurance, and managing distributed software teams and projects are among the topics discussed.

INFO 6699 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

Management Courses

MGT 5510 Entrepreneurship: 3 semester hours.
Developing new business ideas, initiating a new enterprise, bringing new technology to the market; applying sound business practices involving management, marketing, accounting, finance, and informatics to accommodate changing market conditions.

MGT 5520 Native American Organizational Systems: 3 semester hours.
Analysis of factors and dimensions to be considered in the structure and design of contemporary Native American organizations. Comparison of contemporary Native organizational systems with traditional Native organizational approaches and contemporary non-Native organizations. Specific graduate level activities and/or performances will be identified in the course syllabus.

MGT 5522 Native American Enterprise: 3 semester hours.
Approaches, strategies, and models utilized in developing tribally-owned and privately-owned Native American businesses across the U.S. and Canada. Analysis of social, economic, and environmental contingency factors that contribute to successful establishment of Native American businesses. Specific graduate level activities and/or performances will be identified in the course syllabus.

MGT 5530 Advanced Operations and Production Management: 3 semester hours.
Study of problems on line management in organizations. Major sections include strategy, process analysis, personpower planning, inventories, scheduling, and control of operations. Emphasizes both behavioral and technical aspects of problem solving in the area of operations management.

MGT 5534 Productivity and Quality: 3 semester hours.
Study of the factors involved in an organization's productivity and quality of product or service.

MGT 5541 Organizational Behavior: 3 semester hours.
Case study approach designed to encourage independent thought in the application of behavioral theories and concepts of organizational problems. Emphasis on integrating theoretical concepts with patterns of organizational direction, control, communications and decision-making. PREREQ: MGT 3312 or MBA 6612.

MGT 5550 Manufacturing Strategy: 3 semester hours.
Study of the various production alternatives as critical factors in a company's competitive strategies.

MGT 5551 Business Law: 3 semester hours.

MGT 5552 Issues in Business and Society: 3 semester hours.
Seminar course designed to focus thinking on critical issues facing managers in making decision choices regarding employees and other stakeholder groups, the community, and the environment.

MGT 5553 Human Resource Management: 3 semester hours.
Introduction to the methodology of employee selection, employment and development; personnel supervision and management; financial compensation; job analysis; behavioral tools and techniques employed to deal with personnel problems and contemporary problems of personpower management.

MGT 5554 Advanced Human Resource Management: 3 semester hours.
In-depth study of selected personnel/human resources management topics, including employee selection, performance evaluation, and compensation administration. PREREQ: MGT 4473 or MGT 5573, and MGT 2217.

MGT 5550 Labor and Employment Law: 3 semester hours.
Study of state and federal laws, domestic and foreign, governing employment relationships, including labor-management relations, discrimination and employee rights, workplace safety, compensation and benefits, and related topics.

MGT 5557 Industrial Relations: 3 semester hours.
Integrated study of principles and practices of collective bargaining and industrial relations. Discussion of methods and techniques in dealing with labor-management problems arising out of contract negotiations and administrations.
MGT 5584 International Collegiate Business Strategy Competition: 3 semester hours.
Students apply to compete in an international strategy team competition. Early rounds of the competition take place on campus. The final rounds typically take place over an intensive weekend in Anaheim, CA. PREREQ: Permission of instructor.

MGT 5591 Seminar in Management and Organization: 3 semester hours.
Reading, discussion, and preparation of reports on selected topics. Restricted to senior and graduate students in business who have the consent of the instructor. May be repeated with instructor's permission for up to 6 credits. May be graded S/U.

MGT 5592 Special Problems in Management and Organization: 2-3 semester hours.
Research and reports on selected problems or topics in management and organization. Restricted to senior and graduate students in business who have the consent of the Dean. May be repeated under a different title for a maximum of 9 credits with the permission of the major advisor and the Dean.

MGT 5599 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

MGT 6675 Environmental Management: 3 semester hours.
The study of environmental issues in managerial decision-making. Total cost/benefit analysis, political ramifications, publicity, ethical considerations, global issues. Analysis of various business functions and their impact on short- and long-term concerns.

MGT 6699 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

Marketing Courses

MKTG 5505 Personal Selling and Sales Force Management: 3 semester hours.
Attention given to product features, buying motives, selling points, principles and practices of selling, psychology of salesmanship, sales problems, personal requirements, opportunities. Determination of the amount and allocation of personal sales effort to be applied to the market and methods of organizing, evaluating, and controlling this effort. PREREQ: MKTG 2225 or MBA 6613.

MKTG 5510 Entrepreneurship: 3 semester hours.
Developing new business ideas, initiating a new enterprise, bringing new technology to the market; applying sound business practices involving management, marketing, accounting, finance and informatics to accommodate changing market opportunities. Equivalent to MGT 5510. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus.

MKTG 5521 Services Marketing: 3 semester hours.
Examines the development, promotion, and management of services. Topics covered include strategic planning, delivery channels and promotional challenges inherent to services.

MKTG 5526 Marketing Research: 3 semester hours.
Evaluation and study of providing relevant marketing information to management. Emphasizes problem formulation, consideration of data sources, means of acquiring information, sampling, interpretation of results.

MKTG 5527 Consumer Behavior: 3 semester hours.
In-depth analysis of the internal and external influences of consumer behavior and decision-making, including learning, perception, cultural values, group influences, and a range of psychological and sociological concepts. This advanced study of consumer behavior will include analysis of a consumer dataset, as well as case studies highlighting concepts under investigation, and a consumer behavior audit. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: MKTG 2225 or MBA 6613.

MKTG 5528 Integrated Brand Promotion: 3 semester hours.
Planning and execution of advertising, sales promotion, and public relations programs developed into an integrated brand promotion program. Includes development of Integrated Brand Promotion plan. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus. PREREQ: MKTG 2225 or MBA 6613.

MKTG 5532 New Product Management: 3 semester hours.
Analysis of new product ideas: screening, business analysis, prototype development, market testing, and commercialization of goods and services. Includes diffusion of innovation issues in consumer and industrial markets.

MKTG 5565 International Marketing: 3 semester hours.
Comparative marketing arrangements are examined. Covers factors which need to be recognized by international marketing managers in analyzing markets, covering foreign operations, and assessing economic, cultural, and political aspects of international markets.

MKTG 5575 Competitive Intelligence: 3 semester hours.
How to use competitive intelligence to gain strategic advantage. Includes understanding of information gathering techniques, the conversion of information into intelligence, various analysis methodologies, and intelligence dissemination processes.

MKTG 5580 Marketing on the Internet: 3 semester hours.
Understanding and using the Internet for marketing communications. Includes evaluating current sites, developing skills for authoring HTML pages, and developing an Internet marketing strategy and site for an organization.

MKTG 5591 Seminar in Marketing: 3 semester hours.
Reading discussion, and preparation of reports on selected topics. Restricted to senior and graduate students in business who have the consent of the instructor. May be repeated with instructor's permission for up to 6 credits.

MKTG 5592 Special Problems in Marketing: 2-3 semester hours.
Research and reports on selected problems or topics in marketing. Restricted to senior and graduate students in business who have the consent of the Dean. May be repeated under a different title for a maximum of 9 credits with the permission of the major advisor and the Dean.

MKTG 5599 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

Master of Bus Admin Courses

MBA 5599 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.
MBA 6610 Applied Economics: 3 semester hours.
Applied principles and techniques of analysis in micro and macro economics. Equivalent to ECON 6610.

MBA 6611 Financial Reporting and Managerial Accounting: 3 semester hours.
Integrates study of accounting concepts with understanding of financial reports. Use of accounting information in managerial decision making and control.

MBA 6612 Human Behavior in Organizations: 3 semester hours.
Study of human behavior in organizations. Decision-making and problem-solving, interpersonal relations and communications, and negotiations.

MBA 6613 Marketing: 3 semester hours.
Analysis of forces producing changes in general business conditions. Principles of market-driven decision-making. Application to marketing management decisions and marketing strategy.

MBA 6614 Operations Management: 3 semester hours.
Decision-making techniques for analysis of operational systems. Topics include operations/production planning, process analysis, project planning and control, and quality control. Include GC, MBA.

MBA 6615 Finance: 3 semester hours.
Study of the allocation of scarce resources, domestic and international financial management.

MBA 6616 Business Policy: 3 semester hours.

MBA 6619 Statistical Tools for the MBA: 1 semester hour.
This course provides a review of basic statistics for MBA students. Because it is a tools' course that is applicable to other courses in the MBA program, it should be taken early in the student's program. The course covers summary statistics, descriptive measures, basic probability theory, normal distributions, confidence intervals, and simple and multiple linear regressions. Microsoft Excel will be used to analyze data.

MBA 6620 Quantitative Information for Business Decisions: 3 semester hours.
Development and use of financial and non-financial information to support business analysis and decision-making. Develops and applies analytical tools and framework through readings and case analysis.

MBA 6621 Managerial Decision Making and Negotiation: 3 semester hours.
Students will engage with the concepts and skills required by systematic approaches to decision making and negotiation. Topics include full-cycle decision making and implementation, collective deal-making, and dispute resolution in dyads and with multiple parties.

MBA 6622 Financial Management: 3 semester hours.
Integrated analysis of a firm's decisions with emphasis on the financial aspects of these decisions. Topics include advanced capital budgeting, working capital management, modern portfolio theory, the cost of capital, and international corporate finance.

MBA 6623 Marketing Management: 3 semester hours.
Course focus is on the critical skills marketers need to successfully manage the marketing function in a customer-driven firm.

MBA 6624 Information Systems for Business: 3 semester hours.
Course aims to present students with an understanding of a variety of information systems and technologies that support enterprise strategies and objectives, facilitate business operations and decision making, and allow organizations to achieve a sustainable competitive advantage in the market. Topics include fundamental concepts of hardware, software, computer networks, and data management; enterprise information systems and their applications in different industries; electronic commerce adoption, implementation, and management; and information systems development processes and methodologies. Behavioral, social, and ethical implications of information technology adoption and use in different domains will also be discussed.

MBA 6625 Managerial Control Systems: 3 semester hours.
The managerial and strategic use of control systems. The impact of control systems on organizational behavior and decision making.

MBA 6626 Business Policy and Strategy: 3 semester hours.
Strategic management of the firm, with emphasis on strategic direction, governance, external and internal analysis, strategy formulation, and implementation. Includes coverage of strategy and ethics and strategy in a global environment.

MBA 6628 Applied Business Solutions: 3 semester hours.
Student teams participate in applied business projects or manage a simulated company's operations. Focus is on enhancing broad-based skills developed in other MBA courses. This course must be taken in the last semester in which a student is enrolled. PREREQ: MBA 6623. PRE-OR-COREQ: MBA 6626.

MBA 6629 Productivity Management: 3 semester hours.
This course is directed at improving a firm's efforts to increase performance and competitiveness through developing and managing the elements of the value chain.

MBA 6637 Introduction to Business Analytics: 3 semester hours.
Survey course that includes topics from major areas of business use of data analytics: modeling, predictive analytics, and data mining. The course will also include discussion of data warehousing and data cleaning. Using software, students will be expected to do case work with data providing an executive summary with supporting statistical analyses for business decision making.

MBA 6639 MBA Paper: 3 semester hours.
May be repeated.

MBA 6641 Relational Leadership: 3 semester hours.
Students build knowledge and skills in leading others through a relational lens. Topics include self-management, leading teams; managing conflict constructively, facilitating change, and coaching and motivating others.

MBA 6650 Thesis: 1-6 semester hours.
May be repeated. Graded S/U.

MBA 6692 Special Problems in Business Administration: 2-3 semester hours.
Research readings or reports on selected problems and topics. May be repeated under a different title for a maximum of 6 hours credit. Requires the consent of the instructor.

MBA 6693 Graduate Internship: 1-3 semester hours.
A program of significant business experience coordinated by the faculty to provide broad exposure to issues. May be repeated for up to 3 credits. Graded S/U.

MBA 6699 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.