General Information

The School of Business houses three departments: (1) the Department of Accounting and Computer Information Systems, (2) the Department of Economics and Finance, and (3) the Department of Management and Marketing. The school also houses and coordinates the health care administration major.

Writing Requirement

A graded writing assignment is required in **every** course.

Suggested Sequence of Courses

Majors in the School of Business are designed primarily for upper-division students. Entering students should plan to complete their General Education Core and Distribution Requirements during their first two years. These courses provide excellent and necessary preparation for the major and its requirements.

In the first year, students may not take courses in the departments (except ECON 200, ECON 214, and ECON 215) but are strongly encouraged to complete MATH 177 and, for majors that require it, MATH 238.

Students entering their second year may enroll in a variety of required courses at the 200-level, including introductory courses in their major.

In the third year, students with junior standing and with 60 credit hours or more may enroll in 300-level courses in the School of Business. Students with 45 credit hours or more may enroll in 300-level CIS electives, FIN 301, MGT 201, and MKT 201. At this time, students begin to take courses to fulfill the requirements of their major.

Retention Requirements

1. Satisfactory completion (passing grade) of the college writing requirement.

2. A minimum cumulative grade point average of 2.00.

3. Students majoring in accounting, computer information systems, management, and marketing must achieve satisfactory completion of ACCT 201, 202; CIS 252; ECON 214, 215; and MATH 177 and MATH 248.

4. Students majoring in health care administration must have a minimum cumulative grade point average of 2.00 in all courses in the major.

The appropriate department within the School of Business, in cooperation with the Records Office, will monitor the standards for all declared majors and notify those students who fail to meet the requirements. The appropriate department within the School of Business will also establish and maintain an Appeals Committee to receive, review, and determine the outcome of petitions by students for retention under extenuating circumstances. Preregistration course reservations will be canceled for any student who has been notified that he or she no longer meets the retention standards.

Accounting B.S.

Learning Goals (p. **Error! Bookmark not defined.**)
Writing in the Discipline (p. **Error! Bookmark not defined.**)
**Department of Accounting and Computer Information Systems**
**Department Chair:** Lisa Bain
**Accounting Program Faculty: Professor** Schweikart; **Associate Professors** Church, Filipek, Haser; **Assistant Professor** Cote, Margarida, Weiss

Students must consult with their assigned advisor before they will be able to register for courses. A graded writing assignment is required in **every** course.

Course Requirements

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| ACCT 201 | Principles of Accounting I: Financial | 3 | F, Sp, Su |
| ACCT 202 | Principles of Accounting II: Managerial | 3 | F, Sp, Su |
| ACCT 310 | Accounting Systems and Concepts | 3 | F, Sp |
| ACCT 311 | External Reporting I | 3 | F, Sp |
| ACCT 312 | External Reporting II | 3 | F, Sp |
| ACCT 321 | Cost Management I | 3 | F, Sp, Su (as needed) |
| ACCT 331 | Federal Income Taxation | 3 | F, Sp |
| ACCT 441 | Auditing | 3 | F, Sp |
| ACCT 461 | Seminar in Accounting Theory and Practice | 3 | F, Sp |
| CIS 252 | Introduction to Information Systems | 4 | F, Sp, Su |
|  |  |  |  |
| ECON 214 | Principles of Microeconomics | 3 | F, Sp, Su |
| ECON 215 | Principles of Macroeconomics | 3 | F, Sp, Su |
| FIN 301 | Financial Management | 4 | F, Sp, Su |
| MGT 201 | Foundations of Management | 3 | F, Sp, Su |
| MGT 341 | Business, Government, and Society | 3 | F, Sp, Su |
| MGT 348 | Operations Management | 3 | F, Sp, Su |
| MKT 201 | Introduction to Marketing | 3 | F, Sp, Su |

TWO COURSES from

|  |  |  |  |
| --- | --- | --- | --- |
| ACCT 351 | Fraud Examination | 3 | F |
| ACCT 353 | Accounting for Governmental and Not-for-Profit Organizations | 3 | Sp |
| ACCT 422 | Cost Management II | 3 | Sp |
| ACCT 432 | Advanced Studies in Taxation | 3 | F |
| ACCT 443 | Business Law | 3 | F, Sp |
| ACCT 451 | Advanced Financial Accounting | 3 | F, Sp |
| CIS 351 | Advanced Office Applications for Business | 4 | F, Sp |
|  |  |  |  |
| FIN 432 | Investments | 4 | F, Sp |

Cognates

|  |  |  |  |
| --- | --- | --- | --- |
| ENGL 230 | Writing for Professional Settings | 4 | F, Sp, Su |
| MATH 177 | Quantitative Business Analysis I | 4 | F, Sp, Su |
| MATH 248 | Business Statistics I | 4 | F, Sp, Su |

Note: MATH 177: Fulfills the Mathematics category of General Education.

Note: MATH 248: Fulfills the Advanced Quantitative Scientific Reasoning category of General Education.

**Total Credit Hours: 71-73**

Accounting Minor

Learning Goals (p. **Error! Bookmark not defined.**)
Writing in the Discipline (p. **Error! Bookmark not defined.**)
**Department of Accounting and Computer Information Systems**
**Department Chair:** Lisa Bain
**Accounting Program Faculty: Professor** Schweikart; **Associate Professors** Church, Filipek, Haser; **Assistant Professor** Cote, Margarida, Weiss

Students must consult with their assigned advisor before they will be able to register for courses. A graded writing assignment is required in every course.

Course Requirements

The minor in accounting consists of a minimum of 22 credit hours (seven courses), as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| ACCT 201 | Principles of Accounting I: Financial | 3 | F, Sp, Su |
| ACCT 202 | Principles of Accounting II: Managerial | 3 | F, Sp, Su |
| ACCT 310 | Accounting Systems and Concepts | 3 | F, Sp |
| ACCT 311 | External Reporting I | 3 | F, Sp |
| ACCT 321 | Cost Management I | 3 | F, Sp, Su (as needed) |
| ACCT 331 | Federal Income Taxation | 3 | F, Sp |
| CIS 252 | Introduction to Information Systems | 4 | F, Sp, Su |

Total Credit Hours: 22

Professional Accountancy M.P.AC.

Learning Goals (p. **Error! Bookmark not defined.**)

**Department of Accounting and Computer Information Systems**
**Department Chair:** Lisa Bain
**Director:** Lisa Bonitati Church
**Professional Accountancy Program Faculty: Professor** Schweikart; **Associate Professors** Church, Filipek, Haser; **Assistant Professor** Cote, Margarida, Weiss

Admission Requirements

1. Completed application form accompanied by a $50 nonrefundable application fee.

2. A bachelor’s degree from an accredited college or university.

3. Two courses in principles of accounting or equivalent.

4. Official transcripts of all undergraduate and graduate records.

5. Completion of the Graduate Management Admissions Test (GMAT), unless the applicant is a CPA or has passed a state bar examination. Applicants will also be exempt from the GMAT if they have earned a B.S. degree in accounting from Rhode Island College or the University of Rhode Island, with a 3.00 grade point average in the major.

Course Requirements — Concentration in Accounting Information Systems

Courses

NOTE: While the current concentration listed in the catalog contains CIS 453, a separate proposal is revising this concentration and will provide the new catalog copy.

Computer Information Systems B.S.

Learning Goals (p. **Error! Bookmark not defined.**)
Writing in the Discipline (p. **Error! Bookmark not defined.**)
**Department of Accounting and Computer Information Systems**
**Department Chair:** Lisa Bain
**Computer Information Systems Program Faculty: Professor** Bain; **Assistant Professor** Guo; **Associate Professors** Choi, Hayden

Students must consult with their assigned advisor before they will be able to register for courses. A graded writing assignment is required in **every** course.

Course Requirements

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| ACCT 201 | Principles of Accounting I: Financial | 3 | F, Sp, Su |
| ACCT 202 | Principles of Accounting II: Managerial | 3 | F, Sp, Su |
| CIS 252 | Introduction to Information Systems | 4 | F, Sp, Su |
| CIS 301 | Introduction to Computer Programming in Business | 4 | F, Sp |
| CIS 421 | Networks and Infrastructure | 4 | F, Sp |
| CIS 440 | Issues in Computer Security | 4 | F, Sp |
| CIS 455 | Database Programming | 4 | F, Sp |
| CIS 462 | Applied Software Development Project | 4 | F, Sp |
| ECON 214 | Principles of Microeconomics | 3 | F, Sp, Su |
| ECON 215 | Principles of Macroeconomics | 3 | F, Sp, Su |
| FIN 301 | Financial Management | 4 | F, Sp, Su |
| MGT 201 | Foundations of Management | 3 | F, Sp, Su |
| MGT 341 | Business, Government, and Society | 3 | F, Sp, Su |
|  |  |  |  |
| MKT 201 | Introduction to Marketing | 3 | F, Sp, Su |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

TWO ADDITIONAL COURSES in computer information systems or computer science at the 300-level or above or COMM 330 (for a total of

8 credits):

|  |  |  |  |
| --- | --- | --- | --- |
| COMM 330 | Interpersonal Communication | 4 | F |

COGNATES

|  |  |  |  |
| --- | --- | --- | --- |
| ENGL 230 | Writing for Professional Settings | 4 | F, Sp, Su |
| MATH 177 | Quantitative Business Analysis I | 4 | F, Sp, Su |
| MATH 248 | Business Statistics I | 4 | F, Sp, Su |

Note: MATH 177: Fulfills the Mathematics category of General Education.

Note: MATH 248: Fulfills the Advanced Quantitative Scientific Reasoning category of General Education.

Total Credit Hours: 69

Computer Information Systems Minor

Learning Goals (p. **Error! Bookmark not defined.**)
Writing in the Discipline (p. **Error! Bookmark not defined.**)
**Department of Accounting and Computer Information Systems**
**Department Chair:** Lisa Bain
**Computer Information Systems Program Faculty: Professor** Bain; **Assistant Professor** Guo; **Associate Professors** Choi, Hayden

Students must consult with their assigned advisor before they will be able to register for courses. A graded writing assignment is required in **every** course.

Course Requirements

A minor in computer information systems consists of a minimum of 20 credit hours (five courses), as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| CIS 252 | Introduction to Information Systems | 4 | F, Sp, Su |
| CIS 455 | Database Programming | 4 | F, Sp |
| CIS 440 | Issues in Computer Security | 4 | F, Sp |

AND TWO ADDITIONAL courses from Computer Information Systems at the 300-level or above.

Total Credit Hours: 20

Data Science Minor

Learning Goals (p. **Error! Bookmark not defined.**)
Writing in the Discipline (p. **Error! Bookmark not defined.**)
**Department of Accounting and Computer Information Systems**
**Department Chair:** Lisa Bain
**Computer Information Systems Program Faculty:** **Professor** Bain; **Assistant Professor** Guo; **Associate Professors** Choi, Hayden

Students must consult with their assigned advisor before they will be able to register for courses. A graded writing assignment is required in **every** course.

Course Requirements

A minor in data science consists of a minimum of 20 credit hours (five courses), as follows:

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| CIS 252 | Introduction to Information Systems | 4 | F, Sp, Su |
| MATH 177 | Quantitative Business Analysis I | 4 | F, Sp, Su |
| MATH 248 | Business Statistics I | 4 | F, Sp, Su |
| CIS 470 | Introduction to Data Science | 4 | F |
| CIS 472 | Data Visualization | 4 | As needed |
| **Total Credit Hours: 20** |

Finance B.S.

Learning Goals (p. **Error! Bookmark not defined.**)
Writing in the Discipline (p. **Error! Bookmark not defined.**)
**Department of Economics and Finance**
**Department Chair:** Alema Karim
**Finance Program Faculty: Professor** Kazemi; **Associate Professor** Aydogdu; **Assistant Professor** Saatcioglu

Students **must** consult with their assigned advisor before they will be able to register for courses. A graded writing assignment is required in **every** course.

Course Requirements

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| FIN 301 | Financial Management | 4 | F, Sp, Su |
| FIN 423 | Financial Markets and Institutions | 4 | F, Sp |
| FIN 431 | Advanced Corporate Finance | 4 | F, Sp |
| FIN 432 | Investments | 4 | F, Sp |
| FIN 434 | International Financial Management | 4 | F, Sp |
| FIN 435 | Financial Statement Analysis | 4 | F, Sp |
|  |   |  |  |
| FIN 461 | Seminar in Finance | 4 | F, Sp |
|  | -Or- |  |  |
| FIN 492 | Independent Study II | 4 | As needed |

ONE COURSE from

|  |  |  |  |
| --- | --- | --- | --- |
| ECON 314 | Intermediate Microeconomic Theory and Applications | 4 | F |
| ECON 315 | Intermediate Macroeconomic Theory and Analysis | 4 | Sp |
| ECON 449 | Introduction to Econometrics | 4 | F, Sp |

THREE COURSES from

|  |  |  |  |
| --- | --- | --- | --- |
| FIN 436 | Fixed Income Analysis | 4 | As needed |
| FIN 441 | Financial Derivatives and Risk Management | 4 | As needed |
| FIN 447 | Financial Modeling | 4 | As needed |
| FIN 463 | Seminar in Portfolio Management | 4 | As needed |
| FIN 491 | Independent Study I | 4 | As needed |

Cognates

|  |  |  |  |
| --- | --- | --- | --- |
| ACCT 201 | Principles of Accounting I: Financial | 3 | F, Sp, Su |
|  |  |  |  |
| CIS 252 | Introduction to Information Systems | 4 | F, Sp, Su |
| ECON 214 | Principles of Microeconomics | 3 | F, Sp, Su |
| ECON 215 | Principles of Macroeconomics | 3 | F, Sp, Su |
| ENGL 230 | Writing for Professional Settings | 4 | F, Sp, Su |
| MGT 201 | Foundations of Management | 3 | F, Sp, Su |
| MKT 201 | Introduction to Marketing | 3 | F, Sp, Su |
| MATH 177 | Quantitative Business Analysis I | 4 | F, Sp, Su |
| MATH 248 | Business Statistics I | 4 | F, Sp, Su |

Note: MATH 177: Fulfills the Mathematics category of General Education.

Note: MATH 248: Fulfills the Advanced Quantitative Scientific Reasoning category of General Education.

Total Credit Hours: 75

Finance Minor

Learning Goals (p. **Error! Bookmark not defined.**)
Writing in the Discipline (p. **Error! Bookmark not defined.**)
**Department of Economics and Finance**
**Department Chair:** Alema Karim
**Finance Program Faculty: Professor** Kazemi; **Associate Professor** Aydogdu; **Assistant Professor** Saatcioglu

Students **must** consult with their assigned advisor before they will be able to register for courses. A graded writing assignment is required in **every** course.

Course Requirements

The minor in finance consists of a minimum of 20 credit hours (five courses), as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| FIN 301 | Financial Management | 4 | F, Sp, Su |
| FIN 432 | Investments | 4 | F, Sp |

AND THREE ADDITIONAL courses in finance at the 400-level.

Note: The prerequisites for FIN 301 are ACCT 201 and MATH 177. The prerequisites for FIN 432 are FIN 301 and MATH 248.

Total Credit Hours: 20-25

Health Care Administration B.S.

**Director:** Marianne Raimondo
**Health Care Administration Program Faculty: Assistant Professors** Raimondo, Connolly, Rampa

The B.S. in Health Care Administration (HCA) provides baccalaureate-level education and training for students considering careers in the health care industry. The program is specifically targeted for those pursuing supervisory and entry-level management positions and/or preparation for graduate education. The Health Care Administration program focuses on the organization, financing and management of health care organizations and the delivery of health care services in the United States.

Students **must** consult with their assigned advisor before they will be able to register for courses. A graded writing assignment is required in **every** course.

Note: HCA 491: Independent Study I and HCA 492: Independent Study II are available for those seeking departmental honors, with consent of program director and dean.

Course Requirements

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| ACCT 201 | Principles of Accounting I: Financial | 3 | F, Sp, Su |
| CIS 252 | Introduction to Information Systems | 4 | F, Sp, Su |
| ECON 214 | Principles of Microeconomics | 3 | F, Sp, Su |
|  |   |  |  |
| FIN 301 | Financial Management | 4 | F, Sp, Su |
|  | -Or- |  |  |
| HCA 330 | Health Care Finance | 3 | Annually |
|  |   |  |  |
| HCA 201 | Introduction to Health Care Systems | 3 | F, Sp |
| HCA 302 | Health Care Organizations | 3 | Sp |
| HCA 303 | Health Policy and Contemporary Issues | 3 | Sp |
| HCA 355 | Quality Management/Improvement in Health Care | 3 | F, Sp |
| HCA 401/HCA 501 | Ethical and Legal Issues in Health Care Management | 3 | Sp |
| HCA 461 | Seminar in Strategic Health Care Management | 3 | As needed |
| HCA 467 | Internship in Health Care Administration | 3 | F, Sp, Su |
| MGT 201 | Foundations of Management | 3 | F, Sp, Su |
| MGT 320 | Human Resource Management | 3 | F, Sp, Su |
| MGT 322 | Organizational Behavior | 3 | F, Sp, Su |
| MKT 201 | Introduction to Marketing | 3 | F, Sp, Su |

Note: With permission of program director, HCA 490: Directed Study may be substituted for any 300/400 level HCA course.
Note: Please note that HCA 201, HCA 302, HCA 303, HCA 401 and HCA 402 were previously offered as NURS 201, NURS 302, NURS 303, NURS 401 and NURS 402, and these courses are equivalent to the HCA courses.

THREE COURSES from

(It is recommended that the three courses be taken from the same category, but courses may be selected from multiple categories)

Gerontology

|  |  |  |  |
| --- | --- | --- | --- |
| GRTL 314 | Health and Aging | 4 | F, Sp, Su |
|  | -Or- |  |  |
| NURS 314 | Health and Aging | 4 | F, Sp, Su |
|  |   |  |  |
| HCA 403 | Long-Term Care Administration | 3 | Annually |
| HCA 404 | Long-Term Care Laws and Regulations | 2 | Annually |
| SOC 217 | Aging and Society | 4 | F, Sp, Su |
| SOC 320 | Law and the Elderly | 3 | Annually |

Note: SOC 217: Fulfills the Social and Behavioral Sciences category of General Education.

Human Resource Management

|  |  |  |  |
| --- | --- | --- | --- |
| MGT 423 | Compensation and Benefits Administration | 3 | F |
| MGT 424 | Employee Relations and Performance Management | 3 | Sp |
| MGT 425 | Recruitment and Selection | 3 | F |
| MGT 428 | Human Resource Development | 3 | Sp |

Informatics

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| CIS 440 | Issues in Computer Security | 4 | As needed |
| CIS 455 | Database Programming | 4 | F, Sp |
| HCA 402 | Health Care Informatics | 3 | As needed |

Management Foundations

|  |  |  |  |
| --- | --- | --- | --- |
| ACCT 202 | Principles of Accounting II: Managerial | 3 | F, Sp, Su |
| MGT 349 | Service Operations Management | 3 | F |
| MKT 334 | Consumer Behavior | 3 | F, Sp |
| POL 301 | Foundations of Public Administration | 4 | F |

Wellness

|  |  |  |  |
| --- | --- | --- | --- |
| ANTH 309 | Medical Anthropology | 4 | Alternate years |
| HPE 406 | Program Development in Health Promotion | 3 | Sp or as needed |
| PSYC 424 | Health Psychology | 4 | Annually |
| SOC 314 | The Sociology of Health and Illness | 4 | Annually |

Cognates

|  |  |  |  |
| --- | --- | --- | --- |
| BIOL 103 | Human Biology | 3 | F, Sp, Su |
|  | -Or- |  |  |
| BIOL 108 | Basic Principles of Biology | 4 | F, Sp, Su |
|  |   |  |  |
| COMM 330 | Interpersonal Communication | 4 | F |
| ENGL 230 | Writing for Professional Settings | 4 | F, Sp, Su |
| MATH 177 | Quantitative Business Analysis I | 4 | F, Sp, Su |
| MATH 240 | Statistical Methods I | 4 | F, Sp, Su |
| PSYC 221 | Research Methods I: Foundations | 4 | F, Sp, Su |

Note: BIOL 108: Fulfills the Natural Science category of General Education.

Note: MATH 177, MATH 240: Fulfills the Mathematics category of General Education.

Note: Up to 8 credit hours may simultaneously fulfill General Education requirements.

Total Credit Hours: 77-83

Health Care Administration Minor

**Director:** Marianne Raimondo

Students **must** consult with their assigned advisor before they will be able to register for courses. A graded writing assignment is required in **every** course.

Note: HCA 491: Independent Study I and HCA 492: Independent Study II are available for those seeking departmental honors, with consent of program director and dean.

Course Requirements

The minor in health care administration consists of a minimum of 21 credit hours (seven courses), as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| HCA 201 | Introduction to Health Care Systems | 3 | F, Sp |
| HCA 302 | Health Care Organizations | 3 | Sp |
| HCA 401/HCA 501 | Ethical and Legal Issues in Health Care Management | 3 | Sp |
| MGT 201 | Foundations of Management | 3 | F, Sp, Su |
| MGT 320 | Human Resource Management | 3 | F, Sp, Su |
| MGT 322 | Organizational Behavior | 3 | F, Sp, Su |

AND ONE ADDITIONAL course from the electives in the health care administration major.

Courses taken to meet the requirements of other majors or minors cannot be used to simultaneously fulfill the requirements of the health care administration minor (termed double counting). In these instances, please consult the health care administration director to arrange for appropriate substitute course(s).

Total Credit Hours: 21

Health Care Administration M.S.

**Director:** Marianne Raimondo

**Faculty**: **Assistant Professors** Raimondo, Rampa, Connolly

The M.S. in Health Care Administration (HCA) focuses on the organization, financing and management of health care organizations and the delivery of health care services in the United States. The program will prepare students for management careers in health care in the private and public sectors, including careers in public health, hospitals, long-term care, home/community-based care and health insurance. The program is also appropriate for those seeking positions in health policy. The curriculum focuses on leadership, performance improvement, organizational theory/behavior, health care finance and law.

**Admission Requirements**

1. Completed application form accompanied by a $50 nonrefundable application fee.

2. A Bachelor's degree in Health Care Administration (HCA) or related field from an accredited college or university. Students with a bachelor’s degree in an unrelated field with relevant work experience may be considered for admission. For more information, contact program director.

3. Official transcripts of all undergraduate and graduate records.

4. Completion of the Graduate Management Admissions Test (GMAT) or Graduate Record Examination (GRE).

5. A letter of intent including a statement of goals.

6. One professional and one academic reference.

7. Completion of courses in Elementary Statistics, Principles of Economics and Introductory Accounting.

Retention Requirements

All students must have a minimum GPA of 3.0 at the end of the first year and an evaluation of Satisfactory or better in the Internship class. Students who do not have a minimum 3.0 GPA may not continue in the program. No course in which the student earns a grade below a C will get credit in the M.S. HCA program.

Course Requirements

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| HCA 501/HCA 401 | Health Law and Ethics | 3 | F, Sp |
| HCA 502/NURS 502 | Health Care Systems | 3 | F, Sp |
| HCA 503/NURS 705 | Health Care Policy | 3 | Sp |
| HCA 514 | Economics of Health Care | 3 | F |
| HCA 520 | Health Care Human Resource Management | 3 | F, Sp |
| HCA 530 | Health Care Finance | 3 | F, Sp |
| HCA 535 | Managing Community Health Care Systems | 3 | Sp |
| HCA 537 | Performance Improvement in Health Care | 3 | F, Sp |
| HCA 540 | Research Methods and Statistical Analysis | 3 | F |
| HCA 547 | Transformational Leadership in Health Care Organizations | 3 | F, Sp |
| HCA 560 | Contemporary Topics in Health Care | 2 | Su |
| HCA 567 | Health Care Internship | 3 | F, Su |
| HCA 591 | Master’s Thesis in Health Care Administration | 3 | F, Sp |
| HPE 507 | Epidemiology and Biostatistics | 3 | Sp |
| NURS 707 | Information Technology/Decision Support | 3 | F |

TWO COURSES from

|  |  |  |  |
| --- | --- | --- | --- |
| MGT 515 | Leading Change and Innovation | 3 | F, Sp |
| MGT 535 | Project Management | 3 | F, Sp |
| HPE 500 | Introduction to Health Education and Health Promotion | 3 | F |
| HPE 505 | Principles of Program Development in Health Education | 3 | Sp |

Management B.S.

Learning Goals (p. **Error! Bookmark not defined.**)
Writing in the Discipline (General, Human Resources, International, Operations) (p. **Error! Bookmark not defined.**)
Writing in the Discipline (Business) (p. **Error! Bookmark not defined.**)
**Department of Management and Marketing**
**Department Chair:** Michael Casey
**Management Program Faculty: Professor** Mello; **Associate Professors** Casey, DeSimone, Farinella, Jacques, Sahba, Urda, Wu; **Assistant Professor** DiManna

Students must consult with their assigned advisor before they will be able to register for courses. A graded writing assignment is required in **every** course.

Note: MGT 491 Independent Study I and MGT 492 Independent Study II are available for those seeking departmental honors, with consent of instructor, department chair and dean.

Course Requirements

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| ACCT 201 | Principles of Accounting I: Financial | 3 | F, Sp, Su |
| ACCT 202 | Principles of Accounting II: Managerial | 3 | F, Sp, Su |
|  |  |  |  |
| CIS 252 | Introduction to Information Systems | 4 | F, Sp, Su |
| ECON 214 | Principles of Microeconomics | 3 | F, Sp, Su |
| ECON 215 | Principles of Macroeconomics | 3 | F, Sp, Su |
| FIN 301 | Financial Management | 4 | F, Sp, Su |
| MGT 201 | Foundations of Management | 3 | F, Sp, Su |
| MGT 249 | Business Statistics II | 3 | F, Sp, Su |
| MGT 341 | Business, Government, and Society | 3 | F, Sp, Su |
| MGT 348 | Operations Management | 3 | F, Sp, Su |
| MGT 461 | Seminar in Strategic Management | 3 | F, Sp |
| MKT 201 | Introduction to Marketing | 3 | F, Sp, Su |

Cognates

|  |  |  |  |
| --- | --- | --- | --- |
| MATH 177 | Quantitative Business Analysis I | 4 | F, Sp, Su |
| MATH 248 | Business Statistics I | 4 | F, Sp, Su |

Note: MATH 177: Fulfills the Mathematics category of General Education.

Note: MATH 248: Fulfills the Advanced Quantitative Scientific Reasoning category of General Education.

Concentrations

CHOOSE concentration A, B, or C below

A. General Management

|  |  |  |  |
| --- | --- | --- | --- |
| MGT 320 | Human Resource Management | 3 | F, Sp, Su |
| MGT 322 | Organizational Behavior | 3 | F, Sp, Su |
|  | THREE ADDITIONAL COURSES in management at the 300-level or above | 9 |  |

Total Credit Hours: 61

B. Human Resource Management

|  |  |  |  |
| --- | --- | --- | --- |
| MGT 320 | Human Resource Management | 3 | F, Sp, Su |
| MGT 322 | Organizational Behavior | 3 | F, Sp, Su |
| MGT 423 | Compensation and Benefits Administration | 3 | F |
| MGT 424 | Employee Relations and Performance Management | 3 | Sp |
| MGT 425 | Recruitment and Selection | 3 | F |
| MGT 428 | Human Resource Development | 3 | Sp |

TWO COURSES from

|  |  |  |  |
| --- | --- | --- | --- |
| ECON 431 | Labor Economics | 4 | As needed |
| MGT 306 | Management of a Diverse Workforce | 3 | Sp |
| MGT 329 | Organizational Theory and Design | 3 | F, Sp |
| MGT 331 | Occupational and Environmental Safety Management | 3 | F |
| MGT 333 | Negotiation and Conflict Resolution | 3 | As needed |
| MGT 467 | Directed Internship | 3 | F, Sp, Su |
| MGT 490 | Directed Study | 3 | As needed |
| MGT 491 | Independent Study I | 3 | As needed |
| MGT 492 | Independent Study II | 3 | As needed |
| PSYC 422 | Psychological Testing | 4 | Annually |
|  | A course approved by advisor | 3 |  |

Total Credit Hours: 70-71

C. Operations Management

|  |  |  |  |
| --- | --- | --- | --- |
| MGT 335 | Process Management | 3 | Sp |
| MGT 347 | Supply Chain Management | 3 | As needed |
| MGT 355 | Quality Assurance | 3 | Sp |
| MGT 455 | Global Logistics and Enterprise Management | 3 | As needed |

MGT 347: (Or MKT 347: Supply Chain Management)

THREE COURSES from

|  |  |  |  |
| --- | --- | --- | --- |
| ECON 449 | Introduction to Econometrics | 4 | F, Sp |
| MGT 322 | Organizational Behavior | 3 | F, Sp, Su |
| MGT 329 | Organizational Theory and Design | 3 | F, Sp |
| MGT 331 | Occupational and Environmental Safety Management | 3 | F |
| MGT 349 | Service Operations Management | 3 | F |
| MGT 359 | Current Topics in Service Operations Management | 3 | As needed |
| MGT 467 | Directed Internship | 3 | F, Sp, Su |
| MGT 490 | Directed Study | 3 | As needed |
| MGT 491 | Independent Study I | 3 | As needed |
| MGT 492 | Independent Study II | 3 | As needed |
| MKT 310 | Product Design and Development | 3 | As needed |
| MKT 322 | Services Marketing | 3 | As needed |

Total Credit Hours: 67-68

Marketing B.S.

Learning Goals (p. **Error! Bookmark not defined.**)
Writing in the Discipline (p. **Error! Bookmark not defined.**)
**Department of Management and Marketing**
**Department Chair:** Michael Casey
**Marketing Program Faculty: Professor** Ramocki; **Associate Professor** Blanchette**,** Milbourne

Students **must** consult with their assigned advisor before they will be able to register for courses. A graded writing assignment is required in **every** course.

Note: MKT 491 Independent Study I and MKT 492 Independent Study II are available for those seeking departmental honors, with consent of instructor, department chair and dean.

Course Requirements

Courses

|  |  |  |  |
| --- | --- | --- | --- |
| ACCT 201 | Principles of Accounting I: Financial | 3 | F, Sp, Su |
| ACCT 202 | Principles of Accounting II: Managerial | 3 | F, Sp, Su |
|  |  |  |  |
| CIS 252 | Introduction to Information Systems | 4 | F, Sp, Su |
| ECON 214 | Principles of Microeconomics | 3 | F, Sp, Su |
| ECON 215 | Principles of Macroeconomics | 3 | F, Sp, Su |
| FIN 301 | Financial Management | 4 | F, Sp, Su |
| MGT 249 | Business Statistics II | 3 | F, Sp, Su |
| MGT 201 | Foundations of Management | 3 | F, Sp, Su |
| MGT 322 | Organizational Behavior | 3 | F, Sp, Su |
| MGT 341 | Business, Government, and Society | 3 | F, Sp, Su |
| MGT 348 | Operations Management | 3 | F, Sp, Su |
| MGT 461 | Seminar in Strategic Management | 3 | F, Sp |
| MKT 201 | Introduction to Marketing | 3 | F, Sp, Su |
| MKT 215 | Marketing Creativity | 3 | F, Sp |
| MKT 333 | Market Research | 3 | F, Sp |
| MKT 334 | Consumer Behavior | 3 | F, Sp |
| MKT 462 | Strategic Marketing Management | 3 | Sp, F |
|  | THREE ADDITIONAL COURSES in marketing at the 300-level or above. | 9 |  |

Cognates

|  |  |  |  |
| --- | --- | --- | --- |
| MATH 177 | Quantitative Business Analysis I | 4 | F, Sp, Su |
| MATH 248 | Business Statistics I | 4 | F, Sp, Su |

Note: MATH 177: Fulfills the Mathematics category of General Education.

Note: MATH 248: Fulfills the Advanced Quantitative Scientific Reasoning category of General Education.

Total Credit Hours: 70

Marketing Minor

Learning Goals (p. **Error! Bookmark not defined.**)
Writing in the Discipline (p. **Error! Bookmark not defined.**)

**Department of Management and Marketing**
**Department Chair:** Michael Casey

**Marketing Program Faculty:** Professor Ramocki; **Associate Professor** Blanchette; **Assistant Professor** Milbourne

Students **must** consult with their assigned advisor before they will be able to register for courses. A graded writing assignment is required in **every** course.

Course Requirements

The marketing minor consists of a minimum of 22 credit hours (seven courses), as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| ECON 200 | Introduction to Economics | 4 | F, Sp, Su |
| MGT 201 | Foundations of Management | 3 | F, Sp, Su |
| MKT 201 | Introduction to Marketing | 3 | F, Sp, Su |
| MKT 215 | Marketing Creativity | 3 | F, Sp |
| MKT 334 | Consumer Behavior | 3 | F, Sp |

AND TWO ADDITIONAL 300-level marketing courses.

Note: ECON 200: (or both ECON 214 and ECON 215)

Total Credit Hours: 22

# Courses

## ACCT - Accounting

ACCT 201 - Principles of Accounting I: Financial (3)

The identification, measurement, and reporting of the financial effects of economic events on enterprises are examined. Lecture and laboratory. 4 contact hours.

Prerequisite: Completion of at least 30 college credits.

Offered: Fall, Spring, Summer.

ACCT 202 - Principles of Accounting II: Managerial (3)

A continuation of ACCT 201, topics include accounting for corporations, liabilities, cash flow statements, cost accounting in a manufacturing environment, budgeting, and profit analysis for decision making. Lecture and laboratory. 4 contact hours.

Prerequisite: ACCT 201.

Offered: Fall, Spring, Summer.

ACCT 310 - Accounting Systems and Concepts (3)

Accounting systems are introduced, with emphasis on the accounting cycle through the preparation of statements. Students work with general ledger software and spreadsheet applications. Lecture and laboratory. 4 contact hours.

Prerequisite: Completion of at least 60 college credits, ACCT 201 and CIS 251 or CIS 252.

Offered: Fall, Spring.

ACCT 311 - External Reporting I (3)

Accounting concepts, standards, principles, and practices in financial reporting for business entities are studied. Topics include assets, liabilities, and stockholder equity. Lecture and laboratory. 4 contact hours.

Prerequisite: Completion of at least 60 college credits and ACCT 310, with a minimum grade of C.

Offered: Fall, Spring.

ACCT 312 - External Reporting II (3)

A continuation of ACCT 311, topics include revenue recognition, pensions, accounting for income taxes, leases, cash flow statements, and financial analysis. Lecture and laboratory. 4 contact hours.

Prerequisite: Completion of at least 60 college credits, ACCT 310 (with a minimum grade of C) and ACCT 311.

Offered: Fall, Spring.

ACCT 321 - Cost Management I (3)

Focus is on internal accounting information and decision support systems that provide data and reports for product costing and management decision making. Lecture and laboratory. 4 contact hours.

Prerequisite: Junior standing, ACCT 202 and ACCT 310, with a minimum grade of C.

Offered: Fall, Spring, Summer (as needed).

ACCT 331 - Federal Income Taxation (3)

Federal income tax law is introduced, with emphasis on individuals. 4 contact hours.

Prerequisite: Completion of at least 60 college credits and ACCT 201 or consent of department chair.

Offered: Fall, Spring.

ACCT 351 - Fraud Examination (3)

Prospective managers and auditors study the extent and significance of fraudulent activity, gaining understanding of the methods and techniques for prevention and detection.

Prerequisite: Completion of at least 60 college credits and ACCT 201.

Offered: Fall.

ACCT 353 - Accounting for Governmental and Not-for-Profit Organizations (3)

A conceptual foundation is provided for understanding the accounting and financial reporting of governmental and not-for-profit organizations.

Prerequisite: Completion of at least 60 college credits and ACCT 202.

Offered: Spring.

ACCT 422 - Cost Management II (3)

The use of internal accounting data and reporting in the management decision-making process is examined. Lecture and laboratory. 4 contact hours.

Prerequisite: ACCT 321.

Offered: Spring.

ACCT 432 - Advanced Studies in Taxation (3)

The coverage of choice of an entity and the uses of the life-cycle approach to study these entities are expanded upon. Lecture and laboratory. 4 contact hours.

Prerequisite: ACCT 331.

Offered: Fall.

ACCT 441 - Auditing (3)

Current audit theory and practice are surveyed. A cycle approach is used to demonstrate audit procedures. Topics may include legal liability, ethical standards, audit planning and reporting, and audit risk.

Prerequisite: ACCT 310 (with a minimum grade of C), ACCT 311; CIS 252.

Offered: Fall, Spring.

ACCT 443 - Business Law (3)

Fundamental principles of the law of contracts, sales, property, commercial paper, and bankruptcy are examined. Forms of business organizations, regulations, and accountants' liability are also covered.

Prerequisite: ACCT 201 and completion of at least 60 college credits.

Offered: Fall, Spring

Prerequisite: Consent of instructor, department chair and dean, and admission to the communication honors program.

Offered: As needed.

COMM 495 - Independent Study II (4)

This course continues the development of research or creative activity begun in COMM 491. For departmental honors, the project requires final assessment from the department.

Prerequisite: COMM 491 and consent of instructor, department chair and dean.

Offered: As needed.

## CTSC - Computed Tomography

CTSC 300 - Principles of Computed Tomography (2)

The principles of computed tomography imaging are taught, including basic patient care, pharmacology and drug administration, and routine pediatric and emergency medical care procedures.

Prerequisite: Acceptance into a medical imaging clinical program.

Offered: As needed.

CTSC 301 - Computed Tomography Physics and Radiation Protection (2)

Topics include the physical principles and instrumentation involved in computed tomography. An overview is also given of radiation protection and responsibilities.

Prerequisite: Acceptance into a medical imaging clinical program.

Offered: As needed.

CTSC 407 - Sectional Anatomy and Pathology (2)

Course content includes the detailed study of gross anatomical structures by location, relationship to other structures, and function. Thorough coverage is given of human diseases diagnosable via computed tomography.

Prerequisite: Acceptance into a medical imaging clinical program.

Offered: As needed.

CTSC 432 - Computed Tomography Clinical Practice (8)

Content and clinical practice experiences are designed to develop, apply, critically analyze, integrate, synthesize, and evaluate concepts and theories in performing computed tomography procedures. 24 contact hours.

Prerequisite: Acceptance into a medical lmaging clinical program.

Offered: As needed.

CTSC 438 - Registry Review (2)

This course prepares students for successful completion of the American Registry of Radiologic Technologists Advanced Certification Examination in Computed Tomography.

Prerequisite: Concurrent enrollment in CTSC 300.

Offered: As needed.

## CIS - Computer Information Systems

CIS 252 - Introduction to Information Systems (4)

Information systems are an integral part of all business activities and careers. This course introduces students to contemporary information systems and demonstrates how these systems are used throughout global organizations. (Formerly CIS 352 Management Information Systems)

Prerequisite: Completion of 30 college credits.

Offered: Fall, Spring, Summer

**CIS 301 - Introduction to Computer Programming in Business (4)**

Introductory course using an object-oriented programming language to solve business problems. Topics include: algorithm concepts and development; object-oriented programming methodologies; graphical interface design and event based programming.

Prerequisites: CIS 252 or CIS 251.

Offered: Fall, Spring

**CIS 302 - Intermediate Computer Programming in Business.** A continuation of CIS301, topics will include the design and implementation of functions, classes, and class hierarchies; software development strategies; error handling and exceptions; graphics and GUIs.

Prerequisites: CIS 255, CIS 256, CIS 257, or CIS 301.

Offered: As needed.

CIS 320 - Information Technology: Hardware and Software Systems (4)

The evolution of the major subsystems of computer hardware, technical knowledge of the integration of hardware, and selected operating systems software are examined.

Prerequisite: CIS 251 or 252 or consent of department chair.

Offered: As needed.

CIS 324 - Web Design and Development (4)

Students are introduced to basic concepts, issues, and techniques related to designing, developing, and deploying websites using a variety of tools. Study includes HTML, CSS, formatting, layout, and objects.

Prerequisite: CIS 251 or CIS 252 or consent of department chair.

Offered: As needed.

CIS 350 - Special Topics (4)

New courses are offered by faculty to present latest computer information materials.

Prerequisite: CIS 251 or CIS 252 or consent of department chair.

Offered: As needed.

CIS 351 - Advanced Office Applications for Business (4)

Advanced applications of Office Suite software are examined. Applications include database, spreadsheet, word processing, and presentation graphics.

Prerequisite: CIS 251 or CIS 252 or consent of department chair.

Offered: As needed.

CIS 358 - Mobile Application Development (4)

Students are introduced to mobile application design concepts and programming components. These concepts and components include simple mobile programs (e.g. canvas, animation and games); global variables and conditionals; procedures; and procedures with parameters, lists and tiny database.

Prerequisite: CIS 251 or CIS 252 or consent of the department chair.

Offered: As needed.

CIS 416 - Human-Computer Interaction Design (4)

Introduces students to fundamental concepts and techniques in the design, implementation and evaluation of user interfaces for computers, smart phones and other devices. Students cannot receive credit for both CIS 416 and CSCI 416.

Prerequisite: CIS 252 or CIS 352, CSCI 212, or CSCI 315.

Offered: As needed.

CIS 421 - Networks and Infrastructure (4)

Both computer and systems architecture and communications networks are presented with a focus on the services and capabilities that information technology infrastructure solutions enable in an organizational context.

Prerequisite: CIS 252 or CIS 352 and completion of 60 college credits, or consent of department chair.

Offered: Fall, Spring.

CIS 440 - Issues in Computer Security (4)

Students evaluate organizational and technological methods employed to provide security for computer software, hardware, and data. Topics include controlling for error, natural disaster, and intentional attacks.

Prerequisite: CIS 252 or 352 and completion of 60 college credits, or consent of department chair.

Offered: Fall, Spring

CIS 455 - Database Programming (4)

The basic components of file and communication systems as they support information systems are surveyed.

Prerequisite: CIS 252 or 352 and completion of 60 college credits, or consent of department chair.

Offered: Fall, Spring.

CIS 462 - Applied Software Development Project (4)

This is a practicum in the application of programming and systems-development concepts, resulting in a comprehensive systems-development project.

Prerequisite: ONE from CIS 255, CIS 256, CIS 257, or CIS 301, and CIS 455, or consent of department chair.

Offered: Fall, Spring.

CIS 467 - Directed Internship (3-9)

Students are assigned to a business, an industrial organization, or a not-for-profit organization and supervised by a mentor. Students receive 1 credit hour for every four hours of work. A two-hour biweekly seminar is included. Graded S, U.

Prerequisite: Major in computer information systems and completion of at least 60 college credits.

Offered: Fall, Spring, Summer.

CIS 470 - Introduction to Data Science (4)

Domain knowledge in mathematics, statistics, machine learning and databases that pertains to specific data and information extraction are introduced. Students use these tools to solve unstructured problems.

Prerequisite: CIS 252 or CIS 352, and MATH 248, or consent of department chair.

Offered: Fall.

CIS 472 - Data Visualization (4)

This course introduces algorithms and techniques for effective data visualizations based on data science principles, graphic and communication design, visual art, perceptual and cognitive science. Data visualization tools are introduced.

Prerequisite: CIS 252 or CIS 352, and MATH 248, or consent of department chair.

Offered: As needed.

CIS 490 - Directed Study (4)

Designed to be a substitute for a traditional course under the instruction of a faculty member.

Prerequisite: Consent of instructor, department chair and dean.

Offered: As needed.

CIS 491 - Independent Study I (4)

This course emphasizes the development of research for students admitted to the computer information systems honors program. The research topic is selected and conducted under the mentorship of a faculty advisor.

Prerequisite: Admission to the CIS honors program and consent of instructor, department chair and dean.

Offered: As needed.

CIS 492 - Independent Study II (4)

This course continues the development of research begun in CIS 491. The honors research is completed under the consultation of a faculty advisor. A research paper and presentation are required.

Prerequisite: CIS 491 and consent of instructor, department chair and dean.

Offered: As needed.

CIS 535 - Data Management (3)

Various techniques are explored for the management of the design and development of database systems. Issues in the creation and use of logical data models, database administration, and concurrent processing are explored.

Prerequisite: Graduate status and senior standing or consent of department chair.

Offered: As needed.

CIS 541 - Legal Aspects of Information Technology (3)

The legal environment within which an organization must conduct its electronic commerce is reviewed. Legal liability for data transmission and exchange is also explored.

Prerequisite: Graduate status and senior standing or consent of department chair.

Offered: As needed.

CIS 542 - Electronic Commerce (3)

The systems and management challenges and the opportunities and successful strategies required to develop and maintain electronic commerce are examined. Marketing, strategy, infrastructure design, and server management are also covered.

Prerequisite: Graduate status and senior standing or consent of department chair.

Offered: As needed.

CSCI-Computer Science

CSCI 312 - Computer Organization and Architecture I (4)

Basic concepts of computer organization, architecture, and machine language programming are examined. Topics include data representation, binary and hexadecimal arithmetic, Boolean algebra, combinatorial and sequential circuits, and registers.

Prerequisite: CSCI 201 or CSCI 211.

Offered: Fall, Spring.

CSCI 313 - Computer Organization and Architecture II (3)

A continuation of CSCI 312. Topics include the central processing unit, memory access, input/output, and floating point operations.

Prerequisite: CSCI 312 and either CSCI 211 or CSCI 221.

Offered: Fall, Spring.

CSCI 315 - Data Structures (3)

Data structures are presented to represent and access information efficiently. Topics include time complexity, linked lists, stacks, queues, hashing, trees, heaps, searching, and sorting. (Formerly Information Structures.)

Prerequisite: CSCI 221.

Offered: Fall, Spring.

CSCI 325 - Organization of Programming Language (3)

Programming language constructs are presented, with emphasis on the run-time behavior of programs. Topics include language definition, data types and structures, and run-time considerations.

Prerequisite: CSCI 212 or CSCI 315.

Offered: Spring.

CSCI 401 - Software Engineering (3)

The software development process is examined from initial requirements analysis to operation and maintenance. Student teams develop a software system from requirements to delivery, using disciplined techniques.

Prerequisite: CSCI 212 or CSCI 315 or consent of department chair.

Offered: Spring.

CSCI 415 - Software Testing (4)

Software testing principles, concepts, and techniques are presented within the context of the software development life cycle. Topics include software test design, test process, test management, and software testing tools.

Prerequisite: CSCI 212 or CSCI 315 or consent of department chair.

Offered: Fall (even years).

CSCI 416 - Human-Computer Interaction Design (4)

Introduces students to fundamental concepts and techniques in the design, implementation and evaluation of user interfaces for computers, smart phones and other devices. Students cannot receive credit for both CIS 416 and CSCI 416.

Prerequisite: CIS 252 or CIS 352, CSCI 212, or CSCI 315.

Offered: As needed.

CSCI 422 - Introduction to Computation Theory (3)

Computation theory concepts are introduced, including finite state automata, pushdown automata, and Turing machines. Also covered are the applications of these concepts to lexical analysis, parsing, and algorithms.

Prerequisite: CSCI 325 and MATH 436.

Offered: Spring (odd years).

CSCI 423 - Analysis of Algorithms (4)

Techniques for designing algorithms and analyzing their efficiency are covered. Topics include "big-oh" analysis, divide-and-conquer, greedy method, efficient sorting and searching, graph algorithms, dynamic programming, and NP-completeness.

General Education Category: Advanced Quantatitive/Scientific Reasoning

Prerequisite: Either CSCI 212 or CSCI 315; MATH 212; and MATH 436.

Offered: Spring.

CSCI 427 - Introduction to Artificial Intelligence (3)

Fundamental artificial intelligence methods are introduced, including search, inference, problem solving, and knowledge representation. AI applications, such as natural language understanding and expert systems, are introduced.

Prerequisite: CSCI 212 or CSCI 315.

Offered: As needed.

CSCI 435 - Operating Systems and Computer Architecture (3)

Topics include instruction sets, I/O and interrupt structure, addressing schemes, memory management, process management, performance, and evaluation.

Prerequisite: CSCI 313 and either CSCI 212 or CSCI 315.

Offered: Fall.

CSCI 437 - Introduction to Data and Computer Communications (3)

Data and computer communications are discussed through the topics of data transmission, data encoding, digital data communication techniques, data link control, multiplexing, and networking.

Prerequisite: CSCI 212 or CSCI 315.

Offered: As needed.

CSCI 455 - Introduction to Database Systems (3)

Database structure, organization, languages, and implementation are introduced, including data modeling, relational and object-oriented systems, query languages, and query processing.

Prerequisite: CSCI 212 or CSCI 315.

Offered: Fall (odd years).

CSCI 467 - Computer Science Internship (4)

Students work at a business or nonprofit organization integrating classroom study with work-based learning, supervised by a faculty member.

Prerequisite: Major in computer science, minimum GPA of 2.67 in computer science courses, completion of or concurrent enrollment in CSCI 401, and consent of department chair.

Offered: As needed.

CSCI 476 - Advanced Topics in Computer Science (4)

Recent developments and topics of current interest in computer science are studied. This course may be repeated for credit with a change in content.

Prerequisite: CSCI 212 or CSCI 315.

## HCA - Health Care Administration

HCA 402 - Health Care Informatics (3)

Informatics in health care are examined. Topics include essential computer components and internet structure, electronic medical records, clinical decision support and user/computer interfaces. Students cannot receive credit for HCA 402 and NURS 402.

Prerequisite: CIS 251 or consent of instructor.

Offered: As needed.