



COMPUTER INFORMATION SYSTEMS

BBA

| General Education Core | | | |
|--|---------------------------------------|---------------------------|--|
| Course No. | Title | Hrs | Prerequisites and Minimum Classification |
| Maximum 15 credits of "Ds" and minimum grade of "C" for MATH courses. MATH courses fulfilled by a placement test must be substituted with Business or Non-Business Elective(s) totaling the same number of credits. | | | |
| ECON 001 | Principles of Economics I | 3 | View the Howard Course Catalog or contact the Department coordinating the course |
| ECON 002 | Principles of Economics II | 3 | |
| ECON 180 | Statistics for Business & Economics | 3 | |
| ENGW | English Writing Requirements | 6 | |
| HIST or POLS | History or Political Science Elective | 3 | |
| MATH 007 or MATH 010 | Pre-Calculus or College Algebra II | 4 | |
| MATH 026 or MATH 156 | Applied Calculus or Calculus I | 4 | |
| | Afro-American Elective | 3 | |
| | Business or Non-Business Electives | 9 | |
| | Foreign Language Requirements | 6 | |
| | One or Two Non-Business Elective(s) | 2 - 3 | |
| | Science Elective | 3 | |
| | | Total Credit Hours | 49 |

| Business Core | | | |
|--|--|---------------------------|---|
| Maximum 6 credits of "Ds" and minimum grade of "C" in ACCT 201 and INFO 204. | | | |
| ACCT 201 | Accounting Principles I | 3 | MATH 006 (C) |
| ACCT 202 | Accounting Principles II | 3 | ACCT 201 (C); MATH 007/010 (C) |
| BCOM 320 | Business Communication | 3 | ENGW 101/102/104; ENGW 103/105; MATH 026/156 (C); Sophomore |
| BEEN 330 or MGMT 351 | Managerial Economics or Entrepreneurship | 3 | Varies based on chosen course |
| BLAW 305 | Business Law I | 3 | MATH 026/156 (C); Junior |
| FINA 311 | Finance Principles | 3 | ACCT 202; ECON 001; ECON 002; MATH 026/156 (C); Junior |
| INFO 010 | Business Problem Solving | 2 | None |
| INFO 204 | Management Info Systems | 3 | INFO 010 |
| INFO 311 | Quantitative Business Analysis | 3 | ECON 180; INFO 204; MATH 026/156 (C); Junior |
| INFO 335 | Production & Operations Mgmt | 3 | INFO 311; Junior |
| MGMT 001 | Career Counseling | 1 | MGMT 011 |
| MGMT 010 | Business Orientation | 1 | None |
| MGMT 011 | Business Orientation II | 1 | MGMT 010 |
| MGMT 301 | Management & Org. Behavior | 3 | ACCT 201 (C); ECON 001; ECON 002; MATH 026/156 (C); Sophomore |
| MGMT 390 | Business Policy | 3 | MGMT 301; Senior |
| MKTG 301 | Principles of Marketing | 3 | ACCT 202; ECON 001; ECON 002; MATH 026/156 (C) |
| | Business Electives | 6 | Varies based on chosen course |
| | | Total Credit Hours | 47 |

| Major Core | | | |
|-----------------------------------|---------------------------------|---------------------------|------------------------------------|
| Minimum 2.5 GPA and grade of "C." | | | |
| INFO 210 | Introduction to Software Design | 3 | INFO 204 (C) |
| INFO 330 | Database Management | 3 | INFO 210 (C) |
| INFO 340 or INFO 341 | Intro to C++ or Java | 3 | INFO 210 (C) |
| INFO 370 | Systems Analysis and Design | 3 | INFO 330 (C); Junior |
| INFO 398 | Info Systems Consulting | 3 | INFO 330 (C); INFO 370 (C); Senior |
| | | Total Credit Hours | 15 |

| Major Electives | | | |
|--|---|---------------------------|---|
| Minimum 2.5 GPA and grade of "C." Choose three of the following courses: | | | |
| INFO 308 | Visual C++ | 3 | INFO 210 (C) |
| INFO 325 | Intro to Data and Network Communications | 3 | INFO 210 (C); Spring Only |
| INFO 340 or INFO 341 | Intro to C++ or Java | 3 | INFO 210 (C) |
| INFO 365 | Simulations and Information Systems | 3 | INFO 311 (C); INFO 340/341 (C) |
| INFO 375 | Seminar in Computer Based Information Systems | 3 | INFO 204 (C); Junior; Fall Only |
| INFO 380 | Decision Support and Expert | 3 | INFO 330/370 (C) |
| INFO 384 | Business Analytics | 3 | ACCT 202; ECON 180; INFO 204; MATH 026/156 (C); Junior |
| INFO 385 | Introduction to E Business | 3 | INFO 204 (C); Junior |
| INFO 386 | Intro to Human Computer Interaction | 3 | INFO 204 (C); Junior |
| INFO 387 | Intro to Web Authoring Tools | 3 | INFO 210 (C) |
| INFO 391 | Intro to Information Security | 3 | INFO 204 (C); Fall Only |
| INFO 393 | Network/Internet Security Mgmt | 3 | INFO 204 (C); Spring Only |
| INFO 394 | Secure Electronic Commerce | 3 | INFO 204 (C) |
| INFO 395 | Information Assurance | 3 | INFO 204 (C); Fall Only |
| INFO 396 | Project Management | 3 | ACCT 202; ECON 180; INFO 204; MATH 026/156 (C); Fall Only |
| INFO 399 | Senior Project | 3 | Approval |
| SCHM | Supply Chain Elective | 3 | Varies based on chosen course |
| | | Total Credit Hours | 9 |

COMPUTER INFORMATION SYSTEMS BBA

FOUR-YEAR EXAMPLE SCHEDULE

| First Year | | | | | |
|----------------------|--|-----------|-----------------|---------------------------------------|-----------|
| Course No. | Course Title | Hrs | Course No. | Course Title | Hrs |
| First Semester | | | Second Semester | | |
| ENGW XXX | English Writing Requirement 1 | 3 | ENGW XXX | English Writing Requirement 2 | 3 |
| INFO 010 | Business Problem Solving | 2 | MATH 026 | Applied Calculus | 4 |
| MATH 010 | College Algebra II | 4 | MGMT 011 | Business Orientation II | 1 |
| MGMT 010 | Business Orientation | 1 | | Non-Business Elective | 1 |
| | Afro-American Elective | 3 | | Non-Business Elective | 1 |
| | Foreign Language 1 | 3 | | Foreign Language 2 | 3 |
| | Total Credit Hours | 16 | | Total Credit Hours | 13 |
| Second Year | | | | | |
| First Semester | | | Second Semester | | |
| ACCT 201 | Accounting Principles I | 3 | HIST or POLS | History or Political Science Elective | 3 |
| ECON 001 | Principles of Economics I | 3 | ACCT 202 | Accounting Principles II | 3 |
| ECON 180 | Statistics: Bus & Economics | 3 | ECON 002 | Principles of Economics II | 3 |
| INFO 204 | Management Information Syst | 3 | INFO 210 | Intro to Software Design | 3 |
| MGMT 001 | Career Counseling | 1 | BCOM 320 | Business Communication | 3 |
| | Science Elective | 3 | | | |
| | Total Credit Hours | 16 | | Total Credit Hours | 15 |
| Third Year | | | | | |
| First Semester | | | Second Semester | | |
| INFO 311 | Quantitative Business Analysis | 3 | BLAW 305 | Business Law I | 3 |
| INFO 340 or INFO 341 | Programming Language | 3 | FINA 311 | Finance Principles | 3 |
| MGMT 301 | Management & Org Behavior | 3 | INFO 330 | Database Management | 3 |
| MKTG 301 | Principles of Marketing | 3 | INFO 335 | Production & Operations Mgmt | 3 |
| | Business or Non-Business Elective | 3 | INFO XXX | C.I.S. Elective | 3 |
| | Total Credit Hours | 15 | | Total Credit Hours | 15 |
| Fourth Year | | | | | |
| First Semester | | | Second Semester | | |
| INFO 370 | Systems Analysis & Design | 3 | INFO 398 | Information Systems Consulting | 3 |
| INFO XXX | C.I.S. Elective | 3 | INFO XXX | C.I.S. Elective | 3 |
| BEEN 330 or MGMT 351 | Managerial Economics or Entrepreneurship | 3 | MGMT 390 | Business Policy | 3 |
| | Business or Non-Business Elective | 3 | | Business Elective | 3 |
| | Business or Non-Business Elective | 3 | | Business Elective | 3 |
| | Total Credit Hours | 15 | | Total Credit Hours | 15 |

Total Credit Hours Required for Graduation in Program 120