## General Education Core

### Area I: Language Arts/Communication
- ENGL 1101 Composition and Rhetoric (3)  

### Area II: Social/Behavioral Sciences *(Choose ONE course)*
- ECON 1101 Principles of Economics (3)
- ECON 2105 Principles of Macroeconomics (3)
- ECON 2106 Principles of Microeconomics (3)
- HIST 1111 World History I (3)
- HIST 1112 World History II (3)
- HIST 2111 American History I (3)
- HIST 2112 American History II (3)
- ECON 2101 Principles of Microeconomics (3)
- ECON 2102 Principles of Macroeconomics (3)
- HIST 1111 World History I (3)
- HIST 1112 World History II (3)
- PSYC 1101 Introduction to Psychology (3)
- SOCI 1101 Introduction to Sociology (3)

### Area III: Natural Sciences / Mathematics *(Choose ONE course)*
- MATH 1101 Mathematical Modeling (3)
- MATH 1103 Quantitative Skill and Reasoning (3)
- MATH 1111 College Algebra (3)

### Area IV: Humanities/Fine Arts *(Choose ONE course)*
- ARTS 1101 Art Appreciation (3)
- ENGL 2130 American Literature (3)
- HUMN 1101 Introduction to Humanities (3)
- MUSC 1101 Music Appreciation (3)
- RELG 1101 Introduction to World Religions (3)

### Elective: General Education *(Choose ONE course)*
- Choose one course from Area I, II, III, or IV listed above
  - OR
- BIOL 1111 Biology I (3) + BIOL 1111L Biology I Lab (1)
- BIOL 1112 Biology II (3) + BIOL 1112L Biology II Lab (1)
- CHEM 1211 Chemistry I (3) + CHEM 1211L Chemistry I Lab (1)
- CHEM 1212 Chemistry II (3) + CHEM 1212L Chemistry II Lab (1)
- MATH 1127 Introduction to Statistics (3)
- MATH 1131 Calculus I (4)
- MATH 1132 Calculus II (4)
- PHYS 1110 Conceptual Physics (3) + PHYS 1110L Conceptual Physics Lab (1)
- PHYS 1111 Introductory Physics I (3) + PHYS 1111L Introductory Physics I Lab (1)
- PHYS 1112 Introductory Physics II (3) + PHYS 1112L Introductory Physics II Lab (1)
- ENGL 1102 Literature and Composition (3)
- SPCH 1101 Public Speaking (3)
## Occupational Courses

### Required Courses:
- COMP 1000 Introduction to Computers (3)
- CIST 1001 Computer Concepts (4)
- CIST 1210 Introduction to Oracle Databases (4)
- CIST 1305 Program Design and Development (3)
- CIST 1510 Web Development I (3)
- CIST 2921 IT Analysis, Design, and Project Management (4)
- CIST 1601 Information Security Fundamentals (3)

### Occupational Electives: *(Choose ONE course)*
- ACCT 1100 Financial Accounting I (4)
- BUSN 1300 Introduction to Business (3)
- MGMT 1120 Introduction to Business (3)

### Occupational Elective: *(Choose ONE course from the following or an additional programming course)*
- CIST 1130 Operating Systems Concepts (3)
- CIST 1401 Computer Networking Fundamentals (4)
- CIST 2212 Oracle Database Administration I (4)
- CIST 2127 Comprehensive Word Processing Techniques (3)
- CIST 2128 Comprehensive Spreadsheet Techniques (3)
- CIST 2129 Comprehensive Database Techniques (4)

### Programming Language Course Electives
*(Choose FIVE courses from the following (at least two of which must be CIST23x2 or CIST23x3))*
- CIST 2311 Visual Basic I (4)
- CIST 2312 Visual Basic II (4)
- CIST 2341 C# Programming I (4)
- CIST 2342 C# Programming II (4)
- CIST 2371 Java Programming I (4)
- CIST 2372 Java Programming II (4)
- CIST 2381 Mobile Application Development I (4)
- CIST 2382 Mobile Application Development II (4)
- CIST 2383 User Experience (4)

### Total Credit Hour (minimum):

**50**

**24**

**65**