**BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE**

**Sciences &**

**Health**

**Professions**

**(BUSINESS EMPHASIS)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Courses** | **Titles** |  | **Credit Hrs.** |
| ACCT | 2101 | Accounting Principles I | 3 |
| ACCT | 2102 | Accounting Principles II | 3 |
| CSCI | 2101 | Introduction to Computer Science | 3 |
| CSCI  **Sciences &**  **Health**  **Professions**  **Graduate**  **School**  **Course**  **Descriptions**  **Personnel &Index**  **Albany State**  **Business**  **Education**  **Arts & Humanities** | 1301 | Computer Science I | 3 |
| MATH | 1211 | Calculus I | 4 |
| **Subtotal** |  |  | **16** |

**Major Requirements**

Computer Science Courses

|  |  |  |  |
| --- | --- | --- | --- |
| CSCI | 1302 | Computer Science II | 3 |
| CSCI | 2231 | COBOL Programming | 4 |
| CSCI | 3111 | Discrete Structures | 3 |
| CSCI | 3122 | Data Structures | 3 |
| CSCI | 3132 | Database Management | 3 |
| CSCI | 4211 | Systems Analysis I | 3 |
| CSCI | 4212 | Systems Analysis II | 3 |
| CSCI | 4113 | Operating Systems | 3 |
| CSCI | 4123 | Computer Networks | 3 |
| CSCI | 4311 | Computer Graphics | 3 |
| **Subtotal** |  |  | **31** |

**Mathematics Courses**

|  |  |  |  |
| --- | --- | --- | --- |
| MATH | 2111 | Linear Algebra | 3 |
| MATH | 2411 | Basic Statistics I | 3 |
| MATH | 3423 | Operations Research | 3 |
| **Subtotal** |  |  | **9** |

**Management/Economic Courses**

|  |  |  |  |
| --- | --- | --- | --- |
| ECON | 2106 | Principles of Microeconomics | 3 |
| MGMT | 3105 | Legal Environment for Business | 3 |
| MKTG | 3120 | Principles of Marketing | 3 |
| **Subtotal** |  |  | **9** |

**Major Electives 6**

Six hours from the following courses:

MGMT 4110 Organizational Behavior 3

CSCI 4911 Special Topics in Computer Science 3

Management Courses 3000 Level or above

General Electives 6

Any courses in the college curriculum

**Subtotal 61**

**Total Required For Graduation 125**

**PROGRAM OF STUDY FOR THE BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE (BUSINESS EMPHASIS)**

125 Semester Hours

**Freshman Year Fall Spring**

**Personnel &Index**

**Sciences &**

**Health**

**Professions**

**Course**

**Descriptions**

**Graduate**

**School**

**Education**

**Business**

**Arts & Humanities**

**Albany State State**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ENGL | 1101 | English Comp I | 3 | ENGL | 1102 | English Comp. II | 3 |
| MATH | 1113 | Precalculus | 3 | MATH | 1211 | Calculus I | 4 |
| COMM | 1100 | Analytic Discussion of |  |  |  |  |  |
|  |  | Glob. Issues | 3 | CSCI | 2101 | Intro. to Computer Science | 3 |
| CHEM | 1511K | Survey Chemistry I or | 4 | CHEM | 1521K | Survey Chemistry II or | 4 |
| BIOL | 1111K | Intro. to Biological Science |  | BIOL | 1112K | Intro. to Biological Science II |  |
| PHYS | 1001K | Physical Science I |  | PHYS | 1002K | Physical Science II |  |
| ASU | 1200 | Fresh. Sem. & Serv. to |  |  |  |  |  |
|  |  | Leadership 3 PEDH Activity | 1 |  |  |  |  |
| **Total** |  |  | **17** |  |  |  | **15** |

**Sophomore Year**

**Sciences &**

**Health**

**Professions**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ENGL | 2111 | World Literature I | 3 | ECON | 2105 | Princ. of Macroeconomics | 3 |
| CSCI | 1301 | Computer Science I | 3 | CSCI | 1302 | Computer Science II | 3 |
| Humanities/Fine Arts Elective 3 ACCT | | | | | 2102 | Accounting Principles II | 3 |
| ACCT 2101 Accounting Principles I 3 Social Science Elective 3 | | | | | | | |
| PEDH | | Activity | 2 | HIST | 1002 | Intro. to African Diaspora | 2 |
| General Elective | |  | 2 | POLS | 1101 | U.S. & Georgia Govt. | 3 |
| **Total**  **Personnel &Index**  **Sciences &**  **Health**  **Professions**  **Course**  **Descriptions**  **Graduate**  **School**  **Education**  **Business**  **Arts & Humanities**  **Albany State State** | |  | **16** |  |  |  | **17** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Junior Year** |  | | | | | | |
| CSCI | 3122 | Data Structures | 3 | MGMT | 3105 | Legal Envir. Business | 3 |
| CSCI | 2231 | Cobol Programming | 4 | CSCI | 3111 | Discrete Structures | 3 |
| MATH | 2411 | Basic Statistics | 3 | MKTG | 3120 | Principles of Marketing | 3 |
| MATH | 2111 | Linear Algebra | 3 | CSCI | 3132 | Database Management | 3 |
| ECON | 2106 | Principles of Microeconomics | 3 | Social Science Electives | | | 3 |
| **Total** |  |  | **16** |  | | | **15** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Senior Year** |  | | | | | | |
| CSCI | 4113 | Operating Systems | 3 | CSCI | 4123 | Computer Networks | 3 |
| CSCI | 4211 | System Analysis I | 3 | CSCI | 4911 | Special Topics | 3 |
| MATH | 3423 | Intro. to Operations Research | 3 | CSCI | 4151 | Systems Simulation II | 3 |

CSCI 4311 Computer Graphics 3 Major Electives 6

General Electives 3

**Total 15 15**