**PROGRAM OF STUDY FOR THE BACHELOR OF APPLIED SCIENCE DEGREE WITH EMPHASIS IN COMPUTER INFORMATION SYSTEMS:**

This program admits Albany Technical College graduates or any graduates from other Technical Colleges or two-year Colleges who plan to earn Bachelor of Applied Science Degree with emphasis in Computer Information Systems. Students admitted into this program are expected to meet the core requirements of Albany State University and for those students who are deficient in the core, appropriate recommendations will be made to remediate such deficiencies. Transfer students may be given credit for the courses listed below, and will be required to take courses listed under major course requirement.

**Phase 1 requirements to be completed at Albany Technical College** Completion of the Computer Information Systems Program -106 semester hours Course work should also include the following courses

|  |  |  |
| --- | --- | --- |
| MAT | 103 | Algebraic Concepts |
| MAT | 105 | Trigonometry |
| ACC | 101 | Accounting I |
| ACC | 102 | Accounting 11 |
| CIS | 113 | COBOL 1 |
| CIS | 124 | Microcomputer database programming |
| CIS | 157 | Introduction to Visual Basic Programming |
| CIS | 250 | RPG Programming |
| CIS | 256 | Advanced C-Programming |
| CIS | 260 | Introduction to Fourth Generation Languages |
|  | | |

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**Phase 2 requirements to be completed at Albany State University**

**Albany State**

Completion of the following courses.

**Area A-Essential Skills 10 sem. hrs.**

ENGL 1101 English Composition 3

ENGL 1102 English Composition 3

MATH 1211 Calculus I 4

**Area B-Institutional Options 6 sem. hrs.**

**Arts & Humanities**

COMM 1100 Fundmental of Public Speaking 3

ASU 1200 Freshman Seminar & Service to Leadership 3

|  |  |  |  |
| --- | --- | --- | --- |
| Select One |  |  | 2 sem. hrs. |
| H1ST | 1002 | Intro to African Diaspora | 2 |

Above the Core 3 sem. hrs. HEDP 1001 Intro to Wellness 1

**Area C-Humanities/Fine Arts**

**6 sem. hrs.**

ENGL 2111 World Literature I 3

**Business**

Choice of the following

AMP 1100, MUSC 1100, FREN 2201, GRMN 2221,

SPAN 2231, FIAR 1100, HONR 1111, HONR 1112 3

**Area D-Science, Math, Technology** 11 sem. hrs. Select one of the Sequences

|  |  |  |
| --- | --- | --- |
| B1OL | ll11K Biological Science I | 4 |
| Bl0L | 1112K Biological Science II | 4 or 3 |
| CHEM | 1211 K General Chemistry I | 4 |
| CHEM | 1212K General Chemistry II | 4 or 3 |
| PHYS | 1001K Physical Science I | 4 |
| PHYS | 1002K Physical Science II | 4 |
| MATH | 2411 Basic Statistics | 3 |

**Education**

**Area F-Social Science 12 sem. hrs.**

POLS 1101 U.S. and Georgia Government 3

Electives 9

ECON 2105 Principles of Macroeconomics (3) Social Science elective with at least 3 hours from a historical or foreign perspective (6)

**Area F-Major Area 18 sem. hrs.**

Completion of approved courses of Albany Technical College

Computer Information Systems Program

**Major Course Requirements 60 Semester Hours Supporting Courses 24 sem. hrs.** Completion of approved courses at Albany Technical College

Computer Information Systems Program

**Major Courses to be taken at Albany State University 36 sem. hrs.**

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CSCI 3111 Discrete Structures 3

CSCI 3122 Data Structures 3

CSCI 3132 Database Management 3

CSCI 4113 Operating Systems 3

CSCI 4123 Computer Networks 3

CSCI 4211 Systems Analysis I 3

CSCI 4212 Systems Analysis II 3

CSCI 4311 Computer Graphics 3

MATH 2111 Linear Algebra 3

MATH 3423 Operations Research 3

MGMT 3105 Legal Environment of Business 3

MKTG 3120 Principles of Marketing 3

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**Junior Year**

**Fall Spring**

CSCI 3132 Data Structures 3 MGMT 3105 Legal Envir. Business 3

Social Science Electives 3 CSCI 3111 Discrete Structures 3

MATH 2411 Basic Statistics 3 MKTG 3120 Principles of Marketing 3

MATH 1211 Calculus I 4 CSCI 3132 Database Management 3

ECON 2106 Principle of Microeconomics 3 2111 Linear Algebra 3

**Total 16 15**

**Senior Year**

**Fall Spring**

CSCI 4113 Operating Systems 3 CSCI 4123 Computer Networks 3

CSCI 4211 Systems Analysis I 3 CSCI 4911 Special Topics 3

MATH 3423 Intro. Operations Research 3 CSCI 4151 Systems Analysis II 3

CSCI 4311 Computer Graphics 3 Major Electives 6

General Electives 2

**Total 14 15**

Remark: Other relevant Albany Tech Courses: Students planning to transfer these courses must make at least a grade of “C”

at Albany Technical College.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. CIS | 2228 | Advanced Spreadsheet Techniques | (3) |
| 2. CIS | 2229 | Advanced Database Techniques | (3) |
| 3. CIS | 1121 | Introduction to Visual Basic.Net | (3) |
| 4. CIS | 276 | Advanced Routers and Switches | (3) |
| 5. CIS | 2322 | Introduction to WAN and Routing | (3) |