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| COMPUTER INFORMATION SYSTEMS BACHELOR OF SCIENCE Curriculum as reflected in the Fall 2005 Catalog (120 hours) |
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FRESHMAN (31)

| FALL | | | | SPRING | |
|--------------|-------------------------------|----------|--------------|--------------------------------|-----------|
| CSCE 145 | Intro. Algorithmic Design I | 4 | CSCE 146 | Intro. Algorithmic Design II | 4 |
| ENGL 101 | English Composition | 3 | ENGL 102 | Composition & Literature | 3 |
| MATH 141 | Calculus I | 4 | MATH 142 | Calculus II | 4 |
| Liberal Arts | Liberal Arts/Foreign Lang.(1) | 3 | Liberal Arts | Liberal Arts/Foreign Lang. (1) | 3 |
| Liberal Arts | Fine Arts Elective (1) | <u>3</u> | | | |
| | | 17 | | | <u>14</u> |

SOPHOMORE (31)

| FALL | | | | SPRING | |
|--------------|------------------------------|----------|--------------|-----------------------------|-----------|
| CSCE 245 | Object-Oriented Prog. Tech. | 3 | CSCE 240 | Intro. Software Engineering | 3 |
| CSCE 210 | Computer Hardware Foundation | 3 | SPCH 140 | Public Communication | 3 |
| MATH 374 | Discrete Mathematics | 3 | Science | Laboratory Science | 4 |
| ECON 224 | Intro. Economics | 3 | ACCT 222 | Intro. Accounting | 3 |
| Liberal Arts | History Elective (1) | <u>3</u> | Liberal Arts | Social Science Elective (1) | <u>3</u> |
| | | 15 | | | <u>16</u> |

JUNIOR (31)

| FALL | | | | SPRING | |
|-------------|------------------------------|----------|----------|------------------------------|----------|
| CSCE 205 | Business Application Progr. | 3 | CSCE 311 | Operating Systems | 3 |
| CSCE 350 | Data Structures & Algorithms | 3 | CSCE 520 | Database System Design | 3 |
| ENGL 462/3 | Technical or Bus Writing | 3 | CSCE 390 | Prof. Issues in Com. Science | 1 |
| MGSC 390 | Business Info. Systems | 3 | STAT 509 | Statistics for Engineers | 3 |
| Science | Laboratory Science | <u>4</u> | MGSC 490 | Business System Design | 3 |
| | | 16 | Elective | Free Elective | <u>2</u> |
| | | | | | 15 |

SENIOR (27)

| FALL | | | | SPRING | |
|--------------|---------------------------------|----------|----------|-------------------------------|-----------|
| CSCE 416 | Networks | 3 | CSCE 492 | Capstone Software Engr. Proj. | 3 |
| CSCE 522 | Information Security Principles | 3 | CSCE xxx | CSCE Elective (2) | 3 |
| MGSC 590 | Business Info. Sys. Implement. | 3 | MGSC xxx | MGSC elective (3) | 3 |
| MGSC xxx | MGSC elective (3) | 3 | Elective | Free Elective | 3 |
| Liberal Arts | Liberal Arts Elective | <u>3</u> | | | |
| | | 15 | | | <u>12</u> |

1. The liberal arts courses must include at least one history course, one fine arts course, and one social science course. In addition, demonstrated proficiency in one foreign language equivalent to the minimum pass grade on the exit examination in the 122 course is required. Up to six hours of foreign language may be counted towards the liberal arts requirement. The department maintains a list of approved humanities and social science electives.

2. Any CSCE course numbered 510 or higher.

3. Two courses chosen from the following: MGSC 494, 591, 594.

Liberal Arts Requirements: (30 hours)

The following courses are required: (15 hours)

ENGL 101 and 102 (6 hours): must be completed with a "C" or better grade

ENGL 462 or 463 (3 hours)

SPCH 140 (3 hours)

ECON 224 (3 hours)

History (3 hours): Recommended courses:

HIST 101-109, 111, 112

ARMY 406, 407 (Army Cadets Only. Cross-listed to HIST 468 & 597)

NAVY 303 (Midshipmen Only)

Fine Arts (3 hours): Recommended courses:

Artistic skills courses will not count for fine arts.

ARTE 101 ARTH 105, 106

DANC 101

THEA 200 MUSC 110, 140

FILM 240

Social Science (3 hours): Recommended courses:

ANTH 101, 102

CRJU 101

GEOG 103, 121

POLI 101-201

PSYC 101, 103, (not 227, 570 - 599)

SOCY 101 (not 220)

WOST 112 (only)

ECON 300 level or above unless both ECON 221 and 222 are taken.

If both ECON 221 & 222 are taken, they replace 224 and a social science.

Foreign Language Demonstratio of proficiency in one foreign language equivalent to passing

the 122 exit exam is required. Proficiency can be achieved by a score of "4" on phase I of FL test and passing phase II, or taking through 122 in the same FL.

Only 6 hours will be counted as Liberal Arts credit.

Select additional Liberal Arts courses to reach 30 total hours. Recommended courses:

AFRO 201, 202

CLAS 220, 230

CRJU 101

ENGL 270-286 (prerequisites ENGL 101/102, not ENGL 461-463)

FORL Either a higher-level course in the language in which you passed the proficiency test (not below 201; not 315 or 575) or a course in a different language.

HIST Recommended courses listed above

PHIL 102 (Not 11, 111, 511)

RELG 110

WOST 111, 112 only

Fine Arts Recommended courses listed above

Social Science Recommended courses listed above

CPLT Check prerequisites, all courses require ENGL 101 and 102

LING not recommended for freshmen, check pre-requisites

LASP not recommended for freshmen, check pre-requisites

Southern Studies SOST, not recommended for freshmen, check pre-requisites

AERO 401, 402 (POC Cadets only)

Higher number courses may also be acceptable. Honors students are encouraged to take SCCC courses that are cross-listed with appropriate Liberal Arts courses. Other SCCC courses may also be acceptable and are evaluated on a case-by-case basis.

Revised Summer 2005