

## DEPARTMENT OF COMPUTER SCIENCE AND INDUSTRIAL TECHNOLOGY

The Department of Computer Science and Industrial Technology offers preparation for entrance into the teaching profession in the field of Computer Science. Students who major in Computer Science in the College of Education and Human Development will designate as their Primary Teaching Area Computer Science. In addition to the *Primary Teaching Area*, students will have a *Secondary Teaching Area* in Mathematics<sup>1</sup>.

<sup>1</sup>A grade of "C" or better is required in all science and mathematics areas.

### PRIMARY TEACHING AREA

A minimum of thirty-three (33) semester hours is required for a primary teaching area in Computer Science. Students will schedule:

Computer Science 161 .....	3 semester hours
Computer Science 257 .....	3 semester hours
Computer Science 280 .....	3 semester hours
Computer Science 285 .....	3 semester hours
Computer Science 293 .....	3 semester hours
Computer Science 309 .....	3 semester hours
Computer Science 375 .....	3 semester hours
Computer Science 390 .....	3 semester hours
Computer Science 431 .....	3 semester hours
Computer Science 120 or 401 or 439 .....	3 semester hours
Total .....	33 semester hours

### SECONDARY TEACHING AREAS

Twenty-two (22) semester hours are required for a secondary teaching area of Mathematics. Students will schedule:

Mathematics 200 .....	5 semester hours
Mathematics 201 .....	5 semester hours
Mathematics 223 .....	3 semester hours
Mathematics 309 .....	3 semester hours
Mathematics 380 .....	3 semester hours
Mathematics 460 .....	3 semester hours
Total .....	22 semester hours

### CURRICULUM IN SECONDARY COMPUTER SCIENCE EDUCATION LEADING TO THE DEGREE OF BACHELOR OF SCIENCE

#### FIRST YEAR

First Semester	Second Semester
†Mathematics 200 .....	†Mathematics 201 .....
5	5
English 101 .....	English 102 .....
3	3
History 201 or 202 .....	†Computer Science 257 <sup>1</sup> .....
3	3
†Computer Science 161 .....	†Computer Science 280 .....
3	3
Communication 210 .....	Art Elective .....
3	3
Southeastern 101 .....	17
0-1	
17-18	

#### SECOND YEAR

First Semester	Second Semester
†Computer Science 285 .....	†Computer Science 293 .....
3	3
SPED 210 .....	††Educational Psychology 311 .....
2	3
†††Education 203 .....	Social Science Elective .....
2	3
†††Education 212 (take with EDUC 203) .....	†Mathematics Elective .....
1	3
English 230 or 231 or 232 .....	Science Sequence II <sup>2</sup> .....
3	4
Science Sequence I <sup>2</sup> .....	
4	
15	16

#### THIRD YEAR

First Semester	Second Semester
†Computer Science 309 .....	†Computer Science 375 .....
3	3
††Education 407 .....	†Computer Science 390 .....
3	3
††Education 472 .....	Computer Science 120 or 401 or 439 .....
3	3
††Education 475 .....	†Mathematics 380 .....
1	3
†Mathematics 309 .....	ETEC 410 .....
3	3
†ETEC 310 .....	Science Sequence III <sup>2</sup> .....
3	4
16	19

**FOURTH YEAR**

First Semester	Second Semester
†Computer Science 431 ..... 3	††Education 486..... 9
††EPSY 315 ..... 3	
ETEC 411 ..... 3	
Education 490 ..... 6	
†Mathematics 460 ..... 3	
18	9

Total semester hours required 127-128

Southeastern 101 is not required of transfer or readmitted Southeastern students with 30 hours or more.

† A grade of "C" or better is required in all Computer Science and Mathematics courses

†† A grade of "C" or better is required

††† A grade of "B" or better is required

<sup>1</sup>Mathematics 223 may be substituted for Computer Science 257

<sup>2</sup>Science Sequence: Choose from (Physics 221/223 & 222/224) or (Biology 151/152 & 153/154) or (Chemistry 121/123 & 122/124)