

## 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.

### 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 hours
Computer Science 257 .....	3 hours
Computer Science 280 .....	3 hours
Computer Science 285 .....	3 hours
Computer Science 290 or 293.....	3 hours
Computer Science 294 .....	3 hours
Computer Science 375 .....	3 hours
Computer Science 390 .....	3 hours
Computer Science 431 .....	3 hours
Computer Science 120 or 401 or 439 .....	3 hours
<b>Total .....</b>	<b>33 semester hours</b>

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

#### FIRST YEAR

FIRST SEMESTER	S.H.	SECOND SEMESTER	S.H.
†Mathematics 165 .....	3	†Mathematics 241 .....	3
English 101 .....	3	English 102.....	3
History 201 or 202 .....	3	†Computer Science 257 <sup>1</sup> .....	3
†Computer Science 161 .....	3	†Computer Science 280 .....	3
Communication 210.....	3	Arts Elective .....	3
Southeastern 101 .....	2		
	17		15

#### SECOND YEAR

†Computer Science 285 .....	3	†Computer Science 290 or 293.....	3
SPED 210.....	2	††Educational Psychology 311.....	3
†††Education 203 .....	2	Social Science Elective .....	3
†††Education 212 (take with EDUC 203).....	1	Elective.....	3
English 230 or 231 or 232.....	3	Science Sequence II <sup>2</sup> .....	4
Science Sequence I <sup>2</sup> .....	4		
	15		16

#### THIRD YEAR

†Computer Science 294 .....	3	†Computer Science 375 .....	3
††Education 407 .....	3	†Computer Science 390 .....	3
††Education 472 .....	3	Computer Science 120 or 401 or 439 .....	3
†ETEC 310.....	3	ETEC 410.....	3
Elective.....	5	††EPSY 315 .....	3
	17		15

**FOURTH YEAR**

†Computer Science 431 .....	3	††Education 486.....	9
Science Elective with Lab <sup>2</sup> .....	4		
ETEC 411 .....	3		
Education 490 .....	6		
	16		9

Total semester hours required 120

Southeastern 101 is not required of transfer or readmitted Southeastern students with 30 hours or more. Those students will replace Southeastern 101 with 2 hours of free electives.

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† 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>Choose a sequence and an elective from (Physics 191/193 & 192/194) or (Biology 151/152 & 153/154) or (Chemistry 121/123 & 122/124)