

East Central University
Computer Science- B.S.

0510/UG22

Student Name: _____	Student ID # _____
30 hours at ECU completed	Advisor: _____
60 hours at Sr college completed	OSRHE Computer Proficiency Requirement met
40 hours upper level completed	

Requirements	Hours
<i>Courses highlighted in blue are general education courses.</i>	
I. General Education	40

A maximum of twelve hours may be counted in both the major/related work and general education.

II. Major in Computer Science	45
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A. Required in Computer Science Major	27
CMPSC 1113 Computer Programming I	
CMPSC 1133 Computer Programming II	
CPSMA 2103 Data Structures	
CPSMA 3103 Algorithm Analysis	
CMPSC 3113 Operating Systems	
CMPSC 3613 Computer Architecture	
CMPSC 3943 Software Design & Development	
CMPSC 4213 Data Base Design	
CMPSC 4473 Theory of Programming Languages	

B. Required Electives	18
Eighteen hours in upper level Computer Science with at least 12 hours in CMPSC courses	

Requirements	Hours
III. Related Work	11-18

CPSMA 3913	Discrete Mathematics
MATH 1513	College Algebra †
MATH 1713	Trigonometry †

One of the following:

MATH 2825	Calculus & Analytical Geometry I OR
MATH 2613 Calculus for Bus, Life & Soc Sci	

If MATH 2613 taken, then choose **EITHER**

MATH 1223	Intro to Prob & Statistics OR
BSEC 2603	Business & Economic Statistics

One of the following:

BUCOM 3133	Bus Communic & Report Writing
COMM 1113	Fundamentals of Human Comm
ENG 3183	Technical and Professional Writing

IV. Minor	Not Required
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V. Electives	26-36
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An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student and can be used in completion of a minor, certificate, or additional major.

Students majoring in computer science are highly encouraged to take upper-level computer science electives to make themselves more attractive to industry recruiters.

VI. Total Hours Required	120
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VII. Special Requirements

† With departmental approval, students may omit MATH 1513 and MATH 1713 and begin with MATH 2825.

