

EAST CENTRAL UNIVERSITY

**COMPUTER SCIENCE - B.S.
0510/UG20**

Advisor _____

Student's Name _____ ID No. _____

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

Checked by _____ Date _____ Required: 124 total hours _____ completed 30 hrs @ ECU _____ completed (15 of last 30 must be at ECU) _____ 60 hrs @ Sr College _____ completed 40 hrs upper level _____ completed HS Curricular Req ___ met ___ not met	Work in progress _____ 2.0 minimum required in the following areas: ECU Avg _____ Rtn Avg _____ Major Overall Avg _____ Major ECU Avg _____ Minor Overall Avg _____	Work lacking: Major _____ (inc A/C and Related Work) Minor _____ (incl Rel Wk) Prof Educ _____ General Educ _____ Comp Prof ___ met ___ not met
---	--	--

<u>REQUIREMENTS</u>	<u>HOURS</u>	<u>REQUIREMENTS</u>	<u>HOURS</u>
I. General Education (44 HOURS)		III. Related Work	11-18
<i>6 hours (CMPSC 1113 and MATH 1513) counted in the Major</i>		A. Required Related Work	3-9
Other hours needed 35-38		___ CPSMA 3913 Discrete Mathematics	
COMM 1113 may be used as related work.		___ MATH 1513 College Algebra	
		___ MATH 1713 Trigonometry	
II. Major in Computer Science	45	B. Required Related Electives	8-9
A. Required General Education	3	One of the following:	
___ CMPSC 1113 Computer Programming I		___ MATH 2825 Calculus & Analytic Geometry I OR	
		___ MATH 2613 Calculus for Bus, Life & Soc Sci	
B. Required in Computer Science Major	21	If MATH 2613 taken, then choose EITHER	
___ CMPSC 1133 Computer Programming II		___ MATH 1223 Intro to Prob & Statistics OR	
___ CMPSC 3113 Operating Systems		___ BSEC 2603 Business & Economic Statistics	
___ CMPSC 3613 Computer Architecture		One of the following:	
___ CMPSC 3943 Software Design & Development		___ BUCOM 3133 Bus Communic & Report Writing	
___ CMPSC 4213 Data Base Design		___ COMM 1113 Fundamentals of Human Comm	
___ CMPSC 4473 Theory of Programming Languages		___ COMM 2253 Communication in the Workplace	
___ CPSMA 2923 Data Struc & Algorithm Analys		___ ENG 3183 Technical Writing	
C. Required Electives	21	IV. Minor (Not Required)	
Two of the following:		V. Electives	23-33
___ CMPSC 2213 Computer Languages (Language named in title listing)		Students majoring in computer science are highly encouraged to take upper-level computer science electives to make themselves more attractive to industry recruiters.	
___ CMPSC 2323 Internet Programming			
___ CMPSC 3313 Advanced Computer Language (Subject named in title listing)			
___ CPSMA 4373 Network Science		VI. Total Hours Required	124
Three of the following:		VII. Special Requirements	
___ CMPSC 3213 Org of Programming Languages		With departmental approval, students may omit MATH 1513 and MATH 1713 and begin with MATH 2825.	
___ CMPSC 3233 Linux Tools		The OSRHE computer proficiency graduation requirement will be met through completion of the degree program.	
___ CMPSC 3543 Object Oriented Programming			
___ CMPSC 4223 Unix System Administration			
___ CMPSC 4273 Model and Sim Using Parallel Computing			
___ CMPSC 4983 Seminar: (thesis or project)			
Six hours from the following:			
___ CPSMA 3933 Operations Research			
___ CPSMA 4413 Numerical Analysis			
___ Department approved electives which may include unused classes from Section II.C.			
