

EAST CENTRAL UNIVERSITY

**COMPUTER SCIENCE - B.S.
0510/UG21**

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

REQUIREMENTS

HOURS

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HOURS

I. General Education (44 HOURS)

6 hours (CMPSC 1113 and MATH 1513) counted in the Major

Other hours needed 35-38
 COMM 1113 may be used as related work.

II. Major in Computer Science 45

A. Required General Education 3
 ___ CMPSC 1113 Computer Programming I

B. Required in Computer Science Major 21

- ___ CMPSC 1133 Computer Programming II
- ___ CMPSC 3113 Operating Systems
- ___ CMPSC 3613 Computer Architecture
- ___ CMPSC 3943 Software Design & Development
- ___ CMPSC 4213 Data Base Design
- ___ CMPSC 4473 Theory of Programming Languages
- ___ CPSMA 2923 Data Struc & Algorithm Analys

C. Required Electives 21

Two of the following:

- ___ CMPSC 2213 Computer Languages (Language named in title listing)
- ___ CMPSC 2323 Internet Programming
- ___ CMPSC 3313 Advanced Computer Language (Subject named in title listing)
- ___ CPSMA 4373 Network Science

Three of the following:

- ___ CMPSC 3213 Org of Programming Languages
- ___ CMPSC 3233 Linux Tools
- ___ 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.

III. Related Work 11-18

A. Required Related Work 3-9

- ___ CPSMA 3913 Discrete Mathematics
- ___ MATH 1513 College Algebra
- ___ MATH 1713 Trigonometry

B. Required Related Electives 8-9

One of the following:

- ___ MATH 2825 Calculus & Analytic 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
- ___ COMM 2253 Communication in the Workplace
- ___ ENG 3183 Technical Writing

IV. Minor (Not Required)

V. Electives 23-33

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 124

VII. Special Requirements

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

The OSRHE computer proficiency graduation requirement will be met through completion of the degree program.

_____	_____	_____	_____
_____	_____	_____	_____