EAST CENTRAL UNIVERSITY
MATHEMATICS - B.S.
GENERAL MATHEMATICS CONCENTRATION
0292/UG11-UG13

Student’s Name
ID No. __________

DEGREE CHECK INCLUDES CURRENT ENROLLMENT

Checked by _______ Date _______ Work in progress
Required: 124 total hours _____ completed
2.0 minimum required in the following Work lacking:
30 hrs @ ECU_____ completed Major ____ (inc A/C and Related Work)
(15 of last 30 must be at ECU) _____ Minor ____ (incl Rel Wk)
60 hrs @ Sr College _____ completed Major ECU Avg __________
40 hrs upper level _____ completed Rtn Avg __________
HS Curricular Req __ met __ not met Minor Avg ____________

REQUIREMENTS HOURS

I. General Education (45 HOURS)

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

   Other hours needed 39

II. Concentration in General Mathematics 43-49

   A. Required General Education 0-3
      MATH 1513 College Algebra

   B. Required Concentration 34-37
      MATH 1713 Trigonometry
      MATH 2213 Intro to Probability and Statistics
      MATH 2825 Calculus and Analytic Geometry I
      MATH 3025 Calculus and Analytic Geometry II
      MATH 3033 Calculus and Analytic Geometry III
      MATH 3093 Intro to Theorem Prov & Number Theory
      MATH 3713 Linear Algebra
      MATH 3813 Modern Algebra
      MATH 4113 Differential Equations
      MATH 4133 Intermediate Analysis
      MATH 4923 Perspectives in Mathematics

   C. Required Electives 9
      Nine hours other mathematics electives (3000-4000)

III. Related Work

   Required General Education 3
      CMPSC 1113 Computer Programming I
      OR other computer programming course in a high
      level language (logical, functional, or procedural,
      including Mathematica).

IV. Minor (Required) 16-21

   The minor with the Mathematics major may be selected by the
   student. Areas recommended are accounting, biology, chemistry,
   computer science, cartography, physics, and environmental health
   science.

V. Electives 12-23

VI. Total Hours Required 124

VII. Special Requirements

   MATH 1413, “teachers” or “methods” courses will not be counted in the
   major.

   NOTE: Students who completed trigonometry in high school may, upon
   department approval, omit MATH 1713. Students who completed high
   school algebra II may, upon department approval, omit MATH 1513.

   The OSRHE computer proficiency graduation requirement will be met through
   completion of CMPSC 1113 (including equated or substituted courses), or testing
   out of the challenge exam for this course, OR successful completion of an associate
   of arts or associate of science degree at an Oklahoma two-year college in which the
   computer skills requirement was met. Satisfaction of this requirement may not
   reduce or remove any program requirements.

   Students beginning at East Central University in the fall 2007 semester or later who
   have earned less than sixty-four semester hours are required to take two classes with
   designated service-learning component. Students transferring to ECU for the first
   time in the fall 2007 semester or later with sixty-four or more semester hours will be
   required to take one class with a service-learning component.

MINOR

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