EAST CENTRAL UNIVERSITY MATHEMATICS - B.S. APPLIED MATHEMATICS/PRE-ACTUARY CONCENTRATION 0294/UG22

ŀΕ	GREE CHECK INCLUDES CURRENT	<u>ENROLLMENT</u>			
Checked byDate Required: 124 total hourscompleted 30 hrs @ ECUcompleted (15 of last 30 must be at ECU) 60 hrs @ Sr Collegecompleted 40 hrs upper levelcompleted HS Curricular Reqmetnot met		Work in progress		Work lacking: Major(inc A/C and Related Work) Minor(incl Rel Wk) Prof Educ General Educ Comp Profmetnot met	
	REQUIREMENTS HOU	<u>RS</u>	<u>R</u>	REQUIREMENTS	HOURS
	General Education (44 HOURS) 12 hours (COMM 1113 or 2253, CMPSC 1113 MATH 1513) counted in the Major Other hours needed	, ECON 2003, and 32	CMPSC 1113 other computer (logical, function	General Education 3 Computer Programming programming course in a lonal, or procedural, include	nigh level language ing Mathematica).
•	Concentration in Applied Math/Pre-Actuary A. Required General Education MATH 1513 College Algebra	46-52 0-3	COMM	3 Fundamentals of Humar 2253 Communication in t 3 Principles of Macroecon	he Workplace
- - - - -	MATH 1223 Intro to Probability and Statis MATH 1713 Trigonometry MATH 2825 Calculus and Analytic Geometry MATH 3025 Calculus and Analytic Geometry MATH 3033 Calculus and Analytic Geometry MATH 3713 Linear Algebra MATH 4923 Perspectives in Mathematics	etry I etry II	_ ECON 2013 I ENG 3183 I FIN 3113 I FIN 3913 I MIS 1903 O	Financial Accounting Principles of Microeconon Technical and Professiona Financial Management Insurance Planning and Ri Computer Business Applic Management Information	l Writing sk Mgmt ation
	C. Required for Concentration in Applied Mathematics/Pre-Actuary	9	V. Electives		10-16
- -	MATH 3513 Mathematical Statistics MATH 3583 Applied Statistics MATH 4113 Differential Equations		VI. Total Hours Re VII. Special Require MATH 1413, "teachers		124 not be counted in the major.
	Required Electives 15 wo of the following: PSMA 3913 Discrete Mathematics PSMA 3933 Operations Research PSMA 4413 Numerical Methods ne hours approved courses from MATH, CMPSC, MIS, GMT, MKTG, BUSLW, or FIN (3000-4000)		With departmental approval, students may omit MATH 1513 and MATH 1713 at begin with MATH 2825. Actuaries must pass a series of exams administered by the Society of Actuari (SOA) in order to achieve professional status as an actuary. The first exam, Exa P, covers probability and supporting calculus topics. Pre-actuary students shoutake this exam after completing MATH 3513 Mathematical Statistics. The seconexam, Exam FM, covers interest theory and financial economics. This exam shout be taken after FIN 3113 Financial Management. Other SOA exams cover subject such as risk and risk management. The OSRHE computer proficiency graduation requirement will be met throug completion of CMPSC 1113 (including equated or substituted courses), or testiout 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 successful completion of science degree at an Oklahoma two-year college in which the successful completion of science degree at an Oklahoma two-year college in which the successful completion of science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-year college in which the science degree at an Oklahoma two-		
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