EAST CENTRAL UNIVERSITY MATHEMATICS - B.S. APPLIED MATHEMATICS/PRE-ACTUARY CONCENTRATION 0294/UG18

_	Decition 11	144 . 1 . 1				
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		ng Work lacking: Major (inc A/0 Minor (incl Re Prof Educ General Educ	Work lacking: Major (inc A/C and Related Work) Minor (incl Rel Wk)	
	REQUIREMENTS HOU	RS		REQUIREMENTS	HOURS	
	General Education (44 HOURS) 12 hours (COMM 1113 or 2253, CMPSC 1113 MATH 1513) counted in the Major Other hours needed Concentration in Applied Math/Pre-Actuar A. Required General Education	32	— CMPSC other com (logical, fi	nired General Education 1113 Computer Programming puter programming course in a unctional, or procedural, includ 1113 Fundamentals of Human M 2253 Communication in	high level language ing Mathematica). n Comm OR the Workplace	
	MATH 1513 College Algebra B. Required in the Mathematics Core MATH 1223 Intro to Probability and Statis MATH 1713 Trigonometry MATH 2825 Calculus and Analytic Geom MATH 3025 Calculus and Analytic Geom MATH 3033 Calculus and Analytic Geom MATH 3713 Linear Algebra MATH 4923 Perspectives in Mathematics	etry I etry II	ACCT 2 ECON 2 ENG 3 FIN 3 FIN 3 MIS 1	nired Related Work 103 Financial Accounting 013 Principles of Microeconor 183 Technical and Professiona 113 Financial Management 913 Principles of Insurance an 903 Computer Business Applie 433 Management Information of Required)	l Writing d Risk Mgmt cation	
	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 Hoo VII.Special R MATH 1413, "te	•	124 not be counted in the major.	
	O. Required Electives Is two of the following: INSTANCE OF STANCE OF STANC		With departmental approval, students may omit MATH 1513 and MATH 1713 an begin with MATH 2825. Actuaries must pass a series of exams administered by the Society of Actuarie (SOA) in order to achieve professional status as an actuary. The first exam, Exar P, covers probability and supporting calculus topics. Pre-actuary students shoul take this exam after completing MATH 3513 Mathematical Statistics. The secon exam, Exam FM, covers interest theory and financial economics. This exam shoul 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 testin out of the challenge exam for this course, OR successful completion of an associat 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 no reduce or remove any program requirements.			