## EAST CENTRAL UNIVERSITY MATHEMATICS - B.S. APPLIED MATHEMATICS/PRE-ACTUARY CONCENTRATION 0294/UG11-UG12

	0294/0GTT-0GT2 Advisor					
Stu DE	udent's Name	NT ENROLLMENT	ID No			
Checked by Date Work in p Required: 2.0 minin 124 total hours completed areas: 30 hrs @ ECU completed ECU Avg (15 of last 30 must be at ECU) Major Ov 60 hrs @ Sr College completed Minor Ov		Work in progress 2.0 minimum require	in the following Work Major Myg Prof E Gene	_		
	REQUIREMENTS H	<u>OURS</u>	REQUIR	REMENTS	HOURS	
I.	General Education (45 HOURS)  12 hours (COMM 1113 or 2253, CMPSC MATH 1513) counted in the Major Other hours needed	1113, ECON 2003, and 33		Accounting as of Microecon and Profession Management as of Insurance	nal Writing and Risk Mgmt	
Π.	Concentration in Applied Math/Pre- A. Required General Education MATH 1513 College Algebra	0-3	MIS 1903 Compute MIS 3433 Manager IV. Minor (Not Required)	nent Informatio	on Systems	
	B. Required Concentration	31-34	_	,	0.4.	
	MATH 1713 Trigonometry MATH 2213 Intro to Probability and S	tatistics	V. Electives		9-15	
	MATH 2825 Calculus and Analytic Ge		VI. Total Hours Require	ed	124	
		TH 3025 Calculus and Analytic Geometry II				
	MATH 3033 Calculus and Analytic Ge MATH 3513 Mathematical Statistics MATH 3583 Applied Statistics	ometry III	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			
	MATH 3713 Linear Algebra MATH 4113 Differential Equations MATH 4923 Perspectives in Mathemat	rice		TH 1713. Stude	ents who completed high school	
	C. Required Electives	15			ered by the Society of Actuaries	
 	Two of the following:  CPSMA 3913 Discrete Mathematics  CPSMA 3933 Operations Research  CPSMA 4413 Numerical Methods  Nine hours approved courses from MATH,	CMPSC MIS	(SOA) in order to achieve professional status as an acutary. The first exam, Exam P, covers probability and supporting calculus topics. Pre-actuary students should take this exam after completing MATH 3513 Mathematical Statistics. The second exam, Exam FM, covers interest theory and financial economics. This exam should be taken after FIN 3113 Financial Management. Other SOA exams cover subjects such as risk and risk management.			
	MGMT, MKTG, BUSLW, or FIN (3000-4	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 a 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				
III.  	A. Required General Education  COMM 1113 Fundamentals of Human of COMM 2253 Communication in the VI COMPSC 1113 Computer Programming IOR other computer programming high level language (logic procedural, including Market	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.				
	ECON 2003 Principles of Macroecono	omics				