BACHELOR OF SCIENCE IN MATHEMATICS

Option in Applied Mathematics (Suboption II Application in Economics and Management)

Major Requirements Worksheet

2012-2013 Catalog

Name:_			O	ent ID:
appropria	te sequence of course	nded to replace advising from the major departmenes. This checklist is to inform students of major requents Report, which is the official graduation ver	uirements and course pre	
Grade	Course #	Course Title	Semester	Prerequisites (All prerequisite
				courses must have a "C" or better)
	MATH 122	Calculus I (4)		Appropriate MDPT placement* or
				MATH 111 and 113 or MATH 117
	MATH 123	Calculus II (4)		MATH 122
	MATH 224	Calculus III (4)		MATH 123 or 222
	MATH 247	Introduction to Linear Algebra (3)	1: (2)	MATH 123 or 222
	CECS 174	Introduction to Programming and Problem So	olving (3)	CECS 100 and MATH 113 (or equivalent)
Take O	NE of the follo	0		I
	ENGL 101	Composition (3) OR		ENGL 100
	ENGL 317	Technical Communication (3)		GE foundation requirements, upper-division standing, and a previous composition course*
Toko	NF of the fello	wing groups (sither FCON 100 A N	D 101 OD toko iyo	
Take O	ke ONE of the following groups (either ECON 100 AND 101, OR take just ECON 300) ECON 100 Principles of Macroeconomics (3) AND MATH 103 or higher and one GE Foundation			
	ECON 100 ECON 101	•	,	-
	ECON 101	Principles of Microeconomics (3) OR		MATH 103 or higher
	ECON 300	Fundamentals of Economics (3)		GE Foundation requirements
Opper	MATH 323	Introduction to Numerical Analysis (4))	MATH 222 or 224, and a course in computer programming
	MATH 361A	Introduction to Mathematical Analysis		MATH 222 or 224, and MATH 233 or 247
	MATH 361B	Introduction to Mathematical Analysis	II (3)	MATH 361A
	MATH 364A	Ordinary Differential Equations I (3)		MATH 222 or 224, and
				Pre/Corequisite MATH 247
	MATH 380	Probability and Statistics (3)		MATH 222 or 224
	MATH 485	Mathematical Optimization(3)		MATH 247 and at least one of MATH
				323, 347 <i>or</i> 380
	STAT 381	Mathematical Statistics (3)		MATH 247 and MATH 380 or STAT 380
	STAT 482	Random Processes (3)		MATH 247 and MATH 380 or STAT 380
A minir	num of 6 units	from the following: MATH 364B, 423	3, 463, 470, 473, 47	4. 479: STAT 410
A minir	num of 15 unit s	s from ONE of the following groups (for the prerequisites	nlease see the catalog):
Group		s from Otte of the following groups (Group B	picuse see the cutalogy.
	OTH of the follo	owing courses:	Take BOTH of the following courses:	
		onomic Theory (3) AND	ECON 333 Managerial Economics (3) AND	
		conomic Theory (3)	SCM 410 Logistics Management (3)	
		-	3	_
Take 9 units selected from the following:			Take 9 units selected from the following:	
ECON 333, 410, 411, 420, 485, 486			SCM 411, 414; MGMT 412, 413, 426	

*See catalog for more detail Updated 7/20/12 LM