

Requirements for the Bachelor of Science Degree in Mathematics: Before Fall 2011

MAJOR (36 hours MTH, 3 hours CSC)			
Take all:	MTH 233	4	Calculus I
	MTH 234	4	Calculus II
	MTH 311	3	Intro to Modern Math
	MTH 317	3	Linear Algebra
	MTH 333	4	Calculus III
	MTH 337	3	Differential Equations
	MTH 412	3	Intro to Alg Systems (312)
	MTH 439	3	Intro to Analysis I
	MTH 440	3	Intro to Analysis II
Choose six hours:	MTH 305	3	Intro to Numerical Methods
	MTH 351	3	College Geometry (451)
	MTH 359	3	Probability Models (419)
	MTH 360	3	Statistical Inference (360)
	MTH 415	3	Number Theory
Take:	CSC 102	3	Comp Sci Principles

MINOR (18-24 hours, at least 6 advanced)	
(Choose minor; see bulletin for details)	

CORE REQUIREMENTS			
A. Communication (12-14 hours)			
Choose six hours:	ENG 131	3	Rhetoric and Composition
	ENG 132	3	Research and Argument
	ENG 133	3	Comp & Rhet: Exp and Arg
	ENG 230	3	American Lit from 1865
Choose six to eight hours:	BCM 247	3	Business Communication
	COM 111	3	Public Speaking
	COM 170	3	Interpersonal Comm I
	ENG 273	3	Tech and Scientific Writing
	FRE 131	4	Elementary French I
	FRE 132	4	Elementary French II
	GER 131	4	Elementary German I
	GER 132	4	Elementary German II
	ILA 111	4	Elementary Lang Course I
	ILA 112	4	Elementary Lang Course II
	SPA 131	4	Elementary Spanish I
	SPA 132	4	Elementary Spanish II
	SPH 172	3	Beg American Sign Lang I
	SPH 272	3	American Sign Language II
	LAT 131	4	Elementary Latin I
	LAT 132	4	Elementary Latin II
GRK 131	4	Elementary Greek I	
GRK 132	4	Elementary Greek II	

B. Mathematics (6-9 hours, satisfied in MAJOR, above)

CORE REQUIREMENTS (continued)			
C. Natural Sciences (15-16 hours)			
Choose four courses*:	BIO 131	4	Principles of Botany
	BIO 133	4	Principles of Zoology
	BIO 225	3	Local Flora
	BIO 238	4	Human Anat and Phys I
	CHE 133	4	General Chemistry I
	CHE 134	4	General Chemistry II
	GOL 131	4	Introductory Geology I
	GOL 132	4	The Earth Through Time
	PHY 110	4	Fund of Electronics
	PHY 131	4	Mechanics and Heat
	PHY 132	4	Electricity, Sound and Light
	PHY 241	4	Technical Physics I
	PHY 242	4	Technical Physics II
	AST 105	4	Classical and Modern Ast

* at least two different sciences are required

D. Humanities and Visual and Performing Arts (6 hours)			
Choose three hours:	ART 280	3	Art Appreciation
	ART 281	3	Art History Survey I
	ART 282	3	Art History Survey II
	MUS 140	3	Music Appreciation
	MHL 245	3	Intro to Music Literature
	THR 161	3	Theatre Appreciation
	THR 370	3	History of the Cinema
	DAN 140	3	Dance Appreciation
	DAN 341	3	History and Phil of Dance
Choose three hrs:	Lit./Myth.	3	One of ENG 200-230
	ENG 300	3	Mythology

E. Social and Behavioral Sciences (15 hours)			
Take both:	HIS 133	3	US Hist Survey: 1000-1877
	HIS 134	3	US Hist Survey: 1877-Pres
Take both:	PSC 141	3	Intro Govt: Theory and Politics
	PSC 142	3	Intro Govt: Struct and Funct
Choose three hours:	ANT 231	3	Cultural Anthropology
	ECO 231	3	Principles of Macroeconomics
	ECO 232	3	Principles of Microeconomics
	GEO 131	3	World Regional Geography
	GEO 230	3	Cultural Geography
	PSY 133	3	General Psychology
	PSY 153	3	Human Sexuality
	SOC 137	3	Introduction to Sociology
	SOC 139	3	Minority Relations
EPS 380	3	Educational Psychology	

Note: this sheet is intended to be an aid for academic advising, and not as a substitute for the General Bulletin. If there are any discrepancies, the Bulletin takes precedence.