

Requirements for Certification for Mathematics Teaching Grades 8-12: Before Fall 2011

MAJOR (39 hours MTH, 3 hours CSC)			
Take	MTH 220	3	Intro to Prob and Stat
	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 345	3	Math for the Sec Teacher
	MTH 351	3	College Geometry (451)
	MTH 359	3	Probability Models (419)
	MTH 412	3	Intro to Alg. Systems (312)
	MTH 439	3	Intro to Analysis I
	CSC 102	3	Comp Sci Principles

MINOR (3 hours EPS, 24 hours SED)			
Take	EPS 380*	3	Educational Psychology
both:	SED 370**	3	Intro to Ped and Active Lrng
Then apply for admission to Teacher Ed. Program with 60+ hours earned, degree plan, 2.5+ Math GPA			
Take these:	SED 371**	3	Learner-Centered Curriculum
	SED 372	3	Reading and Inf Literacy
Then intern:	SED 450/L	3	Div in a Learner Cent Env
	SED 460	3	Managing a Lrnr Cent Class
Then st tchg:	SED 442	6	Student Teaching
	SED 443	3	The Professional Educator

* also satisfies part of the section E core requirements

** look for special sections for math/science majors

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

CORE REQUIREMENTS (continued)

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

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:	Literature	3
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
Take:	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.