

MAJOR IN MATHEMATICS
Secondary Teacher Certification

Catalog year: 2004-2005

+2.8 GPA in major: yes no
 Degree: BA BS

Student Name _____
 Student Number _____
 Address _____

 Phone _____

Core Requirements: Completed

<u>Course</u>	<u>Credits</u>	<u>Term</u>	<u>Grade</u>
MTH 201	5	_____	_____
MTH 202	4	_____	_____
MTH 210	3	_____	_____
MTH 227	3	_____	_____
MTH 310	3	_____	_____
MTH 495*	3	_____	_____

or MTH 496*
 *Capstone

Secondary Certification Emphasis: Completed

<u>Course</u>	<u>Credits</u>	<u>Term</u>	<u>Grade</u>
MTH 203	4	_____	_____
MTH 229	3	_____	_____
MTH 329	3	_____	_____
MTH 341	3	_____	_____
MTH 345	3	_____	_____

One additional Math course from the following:**
 (must be different than the capstone course):
 300, 304, 327, 360, 400, 402, 405, 408, 409, 410,
 431, 441, 465, 495, 496

<u>Course</u>	<u>Credits</u>	<u>Term</u>	<u>Grade</u>
_____	_____	_____	_____

Cognate Courses: Completed

<u>Course</u>	<u>Credits</u>	<u>Term</u>	<u>Grade</u>
STA 312	3	_____	_____

And one course from the following:
 PHY 230, CS 160, CS 162, ECO 342, ECO 480,
 GEO 440, GEO 470, STA 314, STA 316, STA 345,
 STA 412, SS 300, PSY 300, BIO 355, BIO 375,
 CHM 351, HSC 201 or EGR 304

**Credits in the following courses may not be applied
 towards the mathematics major unless they are
 specifically listed in the emphasis: 110, 122, 123,
 125, 131, 221, 222, 225, 300, 302, 307, 321, 322,
 323, 399, 490, 499 and STA 215.

NOTE: One of the SWS courses must be taken after satisfying
 ENG 305 requirement.

At least four non-core 300-400 level Yes No
 courses taken at GVSU _____

Secondary Teaching Minor

<u>Course</u>	<u>Credits</u>	<u>Term</u>	<u>Grade</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Total credits _____

Note: Students should also seek advice from the
 Department that administers this minor.

Professional Program

Also see pg. 311 – 313 in the 2004-2005 catalog

<u>Course</u>	<u>Credits</u>	<u>Term</u>	<u>Grade</u>
ED 200 ++	3	_____	_____
ED 225 ++	3	_____	_____
ED 205 ++	3	_____	_____
PSY 301 ++	3	_____	_____
PSY 325 ++	3	_____	_____
ED 331 #	6	_____	_____ (min. B-)
ED 310	3	_____	_____ (min. B-)
ED 321	3	_____	_____ (min. B-)
ED 431	12	_____	_____ (min. B-)

To be approved for student teaching, students must have
 at least 24 semester hours of courses in the major,
 including 210, 229 and 341.

+Only courses with a MTH or STA designation that are
 applied to the major should be used in calculating the
 GPA. School of Education requires a minimum
 2.8 GPA overall, in the major and in the minor

++A 2.8 GPA must be earned in these 5 courses, with no
 Grade lower than a C in order to teacher assist and
 student teach

#ED 331 includes MTH 307

Foundation Categories

Arts (one course)	
ART 101	DAN 200
CLA 230	MUS 100
COM 225	MUS 129
CTH 101	PHI 220

Philosophy and Literature (one course)	
CLA 201	LIB 100
COM 202	PHI 101
ENG 203	PHI 102
ENG 205	RST 331
ENG 212	RST 333

Natural Sciences (two courses, one from each category; one must contain a lab)	
CHM 102	ANT 206
GEO 100	BIO 105(11)
GEO 103	HS 100
GEO 105	lab course
	BIO 103(14)
	BIO 107
	CHM 109
	CHM 115
	BIO 109
	BIO 120
	HS 202
	HS 202
	SCI 225
	PHY 105
	PHY 201
	PHY 204

Historical Perspectives (one course)	
ANT 215(w)	HST 103
CLA 121	HST 203
HST 101	HSC 201(2)
HST 102	HSC 202

Mathematical Sciences (one course)	
CS 160	MTH 201
MTH 122	MTH 221
MTH 123	PHI 103
MTH 125	STA 215
MTH 131	

Cultural Designations

World Perspectives Designation (one course)	
AAAVNG 231	ITA 202
ANT 111	JPN 202
ANT 204(ss)	LAS 210
ANT 215(b)	LAT 202
ANT 315(9)	LIB 335(9)
ANT 316(14)	MES 201
ANT 340(11)	MUS 218
ANT 346	PHI 310
ANT 360(17)	PLS 281
ANT 370(18)	PLS 282
CHI 202	PLS 383
EAS 201	PLS 394
ECO 349	PSY 355
ECO 369	RST 225
ENG 204	RUS 202
FRE 202	SPA 202
GER 202	SPA 310
GRK 202	SPA 311
GPY 225(6s)	SS 324(17)
GPY 351	SSWGS 351 (8)
HST 210	
HTM 175	

All College Requirements

Basic Skills	
WRT 150	MTH 110
WRT 305 or passing essay exam	

Supplemental Writing Skills (after WRT 150)	
1)	
2)	

B.A. Degree Cognate	
3 rd semester proficiency in a foreign language (201 level)	

B.S. Degree Cognate	
1)	
2)	
3)	

Social Sciences (two courses from two disciplines)	
ANT 204(w)	PA 270
ANT 220	PLS 102
CI 101	PLS 103
ECO 100	PSY 101
ECO 210	SOC 201
ECO 211	SOC 280(4s)
GPY 220	SW 150
GPY 235(w)	WGS 200

U.S. Diversity Designation (one course)	
AAAVNGS 352(18)	MUS 300(20)
ANT 311(20)	SOC 280(6s)
ED 225	SOC 323
LIB 320(13)	SOC 381(20)
LIB 350(11)	SOC 382
LIB 401(20)	SPA 313
MGT 335(11)	US 201(20)
MUS 219	

- Last 30 semester hours must be earned at Grand Valley State.
- Earned 58 credit hours at senior institution.
- Courses numbered below 100 do not apply toward the minimum 120 semester hours needed to graduate.

Thematic Groups

Theme	Courses
1 Perspectives from the Outside: Marginality and Difference	BIO 329 ENG 335 HST 376 LIB 350 (us) MGT 355 (us) SOC 250 SOC 385
2 Changing Ideas: Changing Worlds	ENG 383 GEO 310 HSC 201(b) HST 364 PHI 303
3 Society and the Media	COM 220 COM 372 LIB 373 PLS 340 PSY 349 SOC 366
4 The Human Journey	BIO 103 (6s) LIB 314 PHI 340 PSY 364 PSY 377
5 Making War and Peace	CI 405 ENG 384 HST 317 HST 377 LIB 345 PLS 311 PLS 311
7 Revolution and Evolution in the Americas	ANT 355 ANT 360 (w) BIO 310 ENG 385 GEO 350 HIST/LAS 374
8 Gender, Society and Culture	AAAVNGS ANT 370 (w) BIO 335 CI/WGS 230 CLA 230 ECO 350 HST 371 352 (us) LSWGS 370 PHI 370 SOC/WGS SOC 379 375 SSWGS 351(w)
9 Religion	ANT 315 (w) CLA 315 HST 211 HST 342 LIB 335 (w) PHI 302 PHI 310 PLS 330 SOC 357
10 Ethics	BIO 328 BIO 338 COM 438 MGT 340 MGT 438 PHI 325 PLS 338
11 Earth and Environment	ANT 340 (w) BIO 105(16s) ECO 345 ENG 382 GEO 300 GPY 412 LIB 330 NRM 451
12 Freedom and Social Control	BIO 311 CI 335 ENG 392 HST 372 LIB 340 PHI 320 SOC 392
13 The U.S. Civil Rights Movement	AAA 305 ENG 381 HST 316 LIB 330 (us) PLS 307 SOC 333
14 Death and Dying	ANT 316 (w) ENG 386 HS 374 NUR 354 PHI 341 SPA 207 SS 381
15 Global Change: Integration and Fragmentation	CTH 373 ECO 369 GPY 335 HST 386 HTM 202 MGT 466 PLS 315
16 Health, Illness, and Healing	ANT 320 BIO 309 HST 370 PSY 368 SOC 356 SW 322
17 Cities	AAA 315 ECO 435 ECO 436 HST 327 PA 307 SOC 351 SS 324(w)
18 Creativity, Ideas & Innovation	CAP 315 CTH 300 ECO 342 EGR 304 LIB 310 MGT 345 WRT 219
19 Perception	COM 320 HST 320 PHI 440 PHI 307 PSY 361
20 The American Mosaic	ANT 311 (us) HST 315 LIB 401 (us) MUS 300 (us) SOC 281(120) SW 300 US 201(120)
22 Sport and Life	CAP 305 ECO 330 HST 335 PED 315(120-179) PHI 306 STA 345 WRT 381
23 Democracy	ECO 365 HST 318 MTH 330 PHI 335 PLS 306 PLS 339

KEY: (h) = Historical Perspectives (na) = Natural Sciences (sa) = Social Sciences (i) = Theme (us) = U.S. Diversity (w) = World Perspectives

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