NAME _____ G00 _____ ENTRY TERM _____

BACHELOR OF ARTS

MATHEMATICS (3900)

Gen Education Requirements: 21-24

SUNY Gen Ed Requirements (GER)

Mathematics	R/*	_____	3-4
Basic Com	INTD 105	_____	3
Nat Sci I Lec/Lab	N/	_____	3-5
Social Sciences I	S/	_____	3
American History	U/*	_____	3
Other World Civ	M/*	_____	3
Fine Arts I	F/	_____	3

Geneseo Breadth Requirements: ## 11-28

Nat Sci II Lec/Lab	N/	_____	3-5
Social Sciences II	S/	_____	0-3
Fine Arts II	F/	_____	0-3
Humanities I	H/	_____	4
Humanities II	H/	_____	4
LANG 101	L/	_____	0-3
LANG 102	L/	_____	0-3
LANG 201	L	_____	0-3
TOTAL:			32-52

MAJOR *(See notes on back)*

Basic Requirements

Math 221	_____	4
Math 222	_____	4
Math 223	_____	4
Math 230	_____	3
Math 233	_____	3
Math 239	_____	3
Math 324	_____	3
Math 326/330/333/345/341 or 360/371	_____	9
Math 348 or Intd 302	_____	0-3

Electives

Math 3__	_____	3
Math 3__	_____	3
TOTAL	_____	39-42

Optional Teaching Certification

Block I
- Intd 203 _____

Block II
- Educ 204 _____
- Educ 215* _____
- Sped 205 _____

Block III
- Intd 301 _____
- Intd 302 _____

Block IV
- Student Teaching _____

Additional Certification Requirements
- Psych 216 _____
- HPE 350 _____
- Language _____

*Educ 215 may be taken with Block I or II

courses with major prefix may not be used to fulfill N/, S/, or F/areas
*may overlap with courses offered by major department
##courses from the Geneseo Breadth Requirements may be used to bring total credits to 30

Semester _____ Hrs	Semester _____ Hrs	Semester _____ Hrs	Semester _____ Hrs
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
Total ____	Total ____	Total ____	Total ____
Semester _____ Hrs	**Semester _____ Hrs**	**Semester _____ Hrs**	**Semester _____ Hrs**
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
Total ____	Total ____	Total ____	Total ____

Revised 06/2014

Total Semester Hours = 120

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DEPARTMENTAL NOTES: MATHEMATICS

1. (a) A grade of C- or better is required for all courses listed as Basic Requirements submitted in fulfillment of the major in Mathematics.
   (b) All majors must complete the department writing requirement which consists of successful completion of Math 239 and Math 324. In these two courses mathematical writing is emphasized and taught. Writing opportunities (homework, quizzes and exams) will be graded for clear and precise exposition as well as mathematical content.
   (c) All majors must complete the department Oral/Research Requirement. This can be accomplished by successfully completing either Math 348 or Intd 302. This requirement may be waived if a student has: (i) Made an oral presentation on a mathematical topic that has been assessed with the mathematics department rubric and found satisfactory; **and** (ii) Produced a researched paper that has been assessed with the mathematics department rubric and found satisfactory; **and** (iii) Evaluated a public mathematical talk using the mathematics department rubric. *Forms and permission for such a waiver are available from the mathematics department chair.*

2. Nine semester hours must be selected from Math 326,330, 333, 345, 341 or 360 and 371. Students completing the Education certification requirements fulfill this portion of the major by taking Math 330, 335, and 341 or 361. Six additional hours at the 300-level are required and Math 325 – Real Analysis II, Math 338 –Topology, and a second semester of modern or linear algebra are strongly recommended for students planning on graduate study in Mathematics.

3. A maximum of 51 semester hours in Mathematics may be included within the required 120. At least 69 hours of the 120 must be completed outside mathematics. Up to 12 hours in Computer Science may be included within these 69 hours.

4. All courses required for Optional Teaching Certification require a grade of C- or better. Requirements are the same as for the B.A. degree except that MATH 330, MATH 335, and either MATH 341 or MATH 361 are required to fulfill requirement B. In addition, students must take MATH 390 as one of their 300-level electives. Students must also complete the certification requirements set forth in the School of Education program description. See *education.geneseo.edu* for more information.

5. Intd 203 can be used to satisfy the American History graduation requirement.

6. To be eligible for Educ 303, 340, and 350 (Student Teaching) students must maintain a minimum GPA of 2.75 overall and in their major.

7. Intd 203 serves as a pre/co-requisite for Psyc 216 and Psyc 216 fulfills one of the social science core course requirements.

8. To avoid later registration difficulties, students are encouraged to take Humn 220 and 221 during their sophomore year.

Curriculum Guide Sheets are updated after publication of the College Undergraduate Bulletin to reflect mid-publication curricular changes. If you notice any inexplicable variation, please contact the Office of the Dean of the College immediately (Erwin 106, Ext. 5541).

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