NAME _____ G00-_____ ENTRY TERM_____

BACHELOR OF ARTS **MATHEMATICS (3900)**

Gen Education Requirements: 20-22

SUNY Gen Ed Requirements (GER)

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

Geneseo Breadth Requirements: 21-23

Nat Sci II Lec/Lab	N/	_____	3-4
Social Science II	S/ *	_____	0-3
Fine Arts II	F/ *	_____	0-3
Humanities I	H/	_____	4
Humanities II	H/	_____	4
Foreign Lang	L/	_____	0-3
LANG 102	L/	_____	0-3
LANG 201	L/	_____	0-3

TOTAL: 32-50

MAJOR *(See notes on back)*

Basic Requirements *(1)*

Math 221	_____	4
Math 222	_____	4
Math 223	_____	4
Math 233	_____	3
Math 239	_____	3
Math 324	_____	3
Math 326/330/333/345/ 360/371 *(2)*	_____	9
Math 348	_____	0-1

Electives *(3)*

Math 3__	_____	3
Math 3__	_____	3
TOTAL	_____	36-37

Related Requirements

CSci 119 or 120 *(4)*	_____	3

Optional Teaching Certification *(5)*

Block I
- Intd 203 *(6)* _____

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

Block III
- Intd 301 _____
- Intd 302 _____

Block IV
- Student Teaching *(7)*_____

Additional Certification Requirements
- Psych 216 *(8)* _____
- HPE 350 _____
- Language _____

*Educ 215 may be taken with Block I or II

courses offered by major department may not be used to fulfill N/, S/, or F/areas
*may overlap with U/ and M/ requirements
**may overlap with courses offered by major department
courses from the Geneseo Breadth Requirements may be used to meet the 30-credit Gen Ed Requirement

Semester _____	Semester: _____	Semester: _____	Semester: _____
Hrs	Hrs	Hrs	Hrs
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
Total ____	Total ____	Total ____	Total ____
Semester _____	Semester: _____	Semester: _____	Semester: _____
Hrs	Hrs	Hrs	Hrs
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
Total ____	Total ____	Total ____	Total ____

Revised: 06/2011 Total Semester Hours = 120

COMBINED GENERAL EDUCATION AND LIBERAL ARTS BREADTH REQUIREMENTS:

1. Two courses in the humanistic tradition (Humn 220 and 221) H/.
2. Two courses in the fine arts with titles marked with the prefix F/. One of these may be a studio course.
3. Two courses in the social sciences with titles marked with the prefix S/.
4. Two courses in the natural sciences with titles marked with the prefix N/.
5. One course in critical reading and writing (Intd 105); this course must be taken during the freshman year.

Restrictions in Fine Arts, Social Science, and Natural Science

The following restrictions apply only to the Fine Arts, Social Science, and Natural Science areas of the General Education curriculum:

1. Students may not apply courses taken in their major departments toward these areas of the General Education curriculum. Double majors are prohibited only from applying courses in their first major of record.
2. In each of these areas, students must apply two courses with different departmental prefixes (For example: SOCL and ANTH for Social Science.) Transfer students who, upon original matriculation at the College, have completed an associate's degree or have 53 or more semester hours accepted as transfer credit are exempt from this limitation if they have previously completed successfully two core-eligible courses with the same departmental prefix. In addition, students who apply three semesters of ensemble or practicum toward the Fine Arts requirement may complete the requirement using a theory or history course with the same departmental prefix. (For example: MUSC 123 and three semesters of MUSC 165.)
3. Students may not apply a particular course to more than one of these areas.
4. Students may not apply more than two courses with the same departmental prefix toward the three areas collectively.

OTHER GRADUATION REQUIREMENTS:

1. One course emphasizing non-Western cultures (marked with the prefix M/Multicultural). The requirement may be fulfilled by a course marked M/ and **may overlap*** with major or general education courses. An approved college-credit bearing study abroad experience in a non-western country may satisfy this requirement.
2. One course in numeric/symbolic reasoning (marked with the prefix R/Reasoning). The requirement may be fulfilled by a course marked R/ and **may overlap*** with major or general education courses.
3. Foreign language competency through the 201 level (for students beginning college-level study in Fall 2003). This requirement may be satisfied by 4 units of a high school foreign language, including at least 85 on the Regents Examination. Students may also take the college placement exam in foreign language to attempt to place out of the requirement or to determine which class they should enroll in here.
4. One semester of US History. Course options to fill this requirement depend on the student's general education on the high school Regents examination in US History. Students scoring 85 or above on that test may choose from a menu of courses. Students scoring below 85 must take a narrative course; Hist 150 or 151 will satisfy the narrative requirement.

***Note this important difference from general education requirements area course requirements.**

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, 360 and 371. Students completing the Education certification requirements fulfill this portion of the major by taking Math 330, 335, and 360. Six additional hours at the 300-level are required and Math 325 – Real Analysis II, Math 338 – Intro to General 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. Under related requirements, choose one from Csci 119 or 120 (with advisement).
5. All courses required for Optional Teaching Certification require a grade of C- or better.
6. Intd 203 can be used to satisfy the American History graduation requirement
7. 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.
8. Intd 203 serves as a pre/co-requisite for Psyc 216 and Psyc 216 fulfills one of the social science core course requirements.
9. 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).