NAME _____ G00-_____ ENTRY TERM_____

BACHELOR OF ARTS

3-2 Engineering in Physics

Gen Education Requirements: 20-22

SUNY Gen Ed Requirements (GER)

Mathematics	R/ **	_____	3-4
Basic Com	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/	_____	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: 33-50

MAJOR *(See notes on back)*

Phys 123&124	_____	4
Phys 125&126	_____	4
Phys 223	_____	3
Phys 224	_____	3
Phys 226	_____	1
Phys 228	_____	2
Phys 311	_____	3
Phys 341	_____	1
Phys 362	_____	2
TOTAL	_____	23

Math 221/R	_____	4
Math 222	_____	4
Math 223	_____	4
Math 326	_____	3
Chem lec/lab	_____	4
Chem lec/lab	_____	4
Csci 119 or 120	_____	3
TOTAL	_____	26

Electives in Major

Phys ---_____
Phys ---_____
Phys ---_____
Phys ---_____
Electives in Physics 14 hours

Note:
(1) Students should consult with their academic advisor prior to their 3rd year for appropriate electives and 4th and 5th year programs at the Engineering School. Several engineering fields require certain physics courses be taken at Geneseo prior to the Engineering school.
(2) There is a scheduling conflict between Phys 311 and 313 and Chem 116 and 118 and 119, therefore, the Physics and Chemistry sequences cannot be taken in the same year.

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 _____	Hrs	Semester _____	Hrs	Semester _____	Hrs	Semester _____	Hrs
Total		Total		Total		Total	

Semester _____	Hrs	Semester _____	Hrs	Semester _____	Hrs	Semester _____	Hrs
Total		Total		Total		Total	

Revised 9/13

Total Semester Hours = 120

Unofficial Articulation

GENERAL EDUCATION REQUIREMENTS:

A. Two courses in the humanistic tradition (Humn 220 and 221) H/.
B. Two courses in the fine arts with titles marked with the prefix F/. One of these may be a studio course.
C. Two courses in the social sciences with titles marked with the prefix S/.
D. Two courses in the natural sciences with titles marked with the prefix N/.
E. 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:

A. 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.
B. 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.
C. 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 an 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.
D. One semester of US History. Course options to fill this requirement depend on the student's score 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 common general education area course requirements.**

DEPARTMENTAL NOTES:

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Major Requirements: 3-2 Engineering in Physics

A. Physics: 35 hours (8-9 hours of engineering courses may be counted within the 35 hours).
   1) Phys 123, 124, 125, 126, 223, 224, 226, 311, 341, 362, plus 14 additional hours.
   2) Cannot include Phys 313 and Phys 332.
B. Math: Math 221, 222, 223, 326.
C. Computer Science: CSci 119 or 120 depending on engineering school.
D. Chemistry 120, 121, 122, 125.

Miscellaneous

1. 90 credit hours must be taken before going to the Engineering School. Courses taken at the Engineering school can be transferred back to Geneseo to fulfill 2, 3, and 4 listed below.
2. 45 hours of courses above the 100-level.
3. 69 hours outside Physics.
4. 45 hours outside Math-Natural Science area (can include up to 12 hours Computer Science)
5. "D" and "E" grade in **non-major** course: Course may be repeated; only the higher grade is included in GPA; a course cannot be counted twice in the 120 credit hour total.
6. "D" and "E" grade in **major** course: "E" grade course must be made up (C- or better). If the course is a prerequisite, the student may not continue the sequence until the course is retaken. "D" grade course must be made up (C- or better). If the course is a prerequisite, the student may not continue the sequence until the course is retaken or the Chair of the department gives permission to continue. If the student receives a C grade in the subsequent course, the prerequisite course does not have to be retaken. Only the higher grade is included in the major GPA; a course cannot be counted twice in the credit hours for the major.

Completion of the Department Writing Requirement.

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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