NAME _____ G00 _____ ENTRY TERM_____

BACHELOR OF SCIENCE

APPLIED PHYSICS (4201)

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
Phys 363 or Phys 372	_____	2
Phys 313 or Phys 332	_____	3
Phys 230	_____	3
Phys 3xx	_____	3
Phys 3xx	_____	3
Phys 3xx	_____	3
TOTAL	_____	40

Related Requirements

Math 221/R	_____	4
Math 222	_____	4
Math 223	_____	4
Math 326	_____	3
Intd 121 or Math 230	_____	3
Chemistry Lab Sequence	_____	8
TOTAL	_____	26

Either a minor in chemistry, biology, geology, mathematics, or computer science, or an internship (upon a recommendation of the department) during the summer and fall semester following the third 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 SUNY 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 06/2014

Total Semester Hours = 120

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DEPARTMENTAL NOTES: APPLIED PHYSICS

1. Minimum competence (grade of C- or better) is required in Phys 123/124, 125/126, 223, 362, and Math 221, 222, 223.

2. Select two from Phys 313, 332 or CSci 230. If CSci 230 is selected an additional course of Phys 3xx is required.

3. Physics electives should be selected under advisement.

4. Students must complete 37 hours in Physics. If CSci is selected above, three physics electives must be completed. If Phys 313 and 332 are selected, only two physics electives must be completed.

5. CSci 120 (Fortran) is recommended.

6. A two semester sequence in a single department is required, e.g., Chem 120/121 and 122/125 or Gsci 111/112. There is a scheduling conflict between Phys 311 and 313 **and** Chem 120/121 and 122/125; therefore, the chemistry sequence cannot be taken in the third year.

7. Students must complete **either** a minor (in Biology, Chemistry, Computer Science, Geological Science, or Mathematics), or an internship (Phys 395) and independent research (Phys 394) in an industrial lab/agency or in a research laboratory. Minimum qualifications for the internship are: senior standing; cumulative GPA of 3.0 in Physics; approval by the Physics Department and the cooperating agency.

8. **A minimum of 69 credit hours** outside Physics must be included in the minimum 120 needed for graduation.

9. Students who will graduate in Applied Physics complete the natural science general education requirement with two semesters of work in one department outside physics.

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

11. Majors must complete the departmental writing requirement – see College Bulletin.

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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