

**BACHELOR OF ARTS**

**PHYSICS (4200)**

**Gen Education Requirements:**

21-24 **MAJOR** (See notes on back)

**Related Requirements**

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

Phys 123&124	_____	4
Phys 125&126	_____	4
Phys 223	_____	3
Phys 224	_____	3
Phys 226	_____	1
Phys 228	_____	2
Phys 341	_____	1
Phys 352	_____	3
Phys 362	_____	2
Phys 363or 372	_____	2

Math 221/R	_____	4
Math 222	_____	4
Math 223	_____	4
Math 326	_____	3
Intd 121 or Math 230	_____	3
Nat Sci Elec/N	_____	4
Nat Sci Elec	_____	4
<b>TOTAL</b>	_____	26

**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
<b>TOTAL:</b>			32-52

**Electives**

Phys 3--	_____	3
Phys 3--	_____	3
Phys 3--	_____	3
Phys 3--	_____	3
<b>TOTAL</b>	_____	37

**Optional Teaching Certification-  
See School of Education for  
information.**

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

## DEPARTMENTAL NOTES: 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. Majors planning graduate work in Physics should include additional Physics and Mathematics electives beyond the minimum required.
3. A one-year laboratory science sequence in another natural science discipline is required. The department recommends this sequence be completed during the sophomore year. Chemistry may not be taken in the third year due to scheduling conflicts.
4. **A minimum of 69 credit hours** outside Physics must be included in the minimum 120 needed for graduation.
5. To avoid later registration difficulties, students are encouraged to take Humn 220 and 221 during the sophomore year.
6. Majors must complete the department writing requirement – see College Bulletin.

### ADDITIONAL OPTIONS:

**ENGINEERING (3-2) PROGRAM:** Interested students should consult the curriculum guide sheet for this program and seek advice from the Physics and Astronomy Department. Students must have the recommendation of this department to transfer into the program. Those completing this five-year program receive a Bachelor of Arts degree (in Physics) from Geneseo and a Bachelor of Science in Engineering degree from the other college or university. Those pursuing this program must satisfy Geneseo's requirements for the four-year program, but appropriate courses completed at the Engineering College can be used to fulfill some of these requirements.

Majors interested in Interdisciplinary Options (i.e., Biophysics or Geophysics) may choose up to 23 hours of electives in other science disciplines. Students may also prepare for commercial and industrial careers as technical assistants, technical sales or service representatives, technical managers, or patent lawyers, etc. Electives appropriate to career goals should be selected in consultation with an advisor.

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).