

The University of New Mexico
Department of Physics and Astronomy
505-277-2616

Suggested Schedule For BA in PHYSICS AND ASTROPHYSICS

This program is flexible; details MUST be discussed with an advisor. Students must also declare a minor.

Freshman First Semester

Physics 160 & 160L	3+1
Physics 167*	1
Math 162 (Calc I)	4
Group Requirement	3
Minor/Elective	3
	15

Freshman Second Semester

Physics 161 & 161L	3+1
Physics 168*	1
Math 163 (Calc II)	4
Group Requirement	3
Minor/Elective	3
Minor/Elective	3
	18

Sophomore First Semester

Physics 262 & 262L	3+1
Physics 267*	1
Math 264 (Calc. III)	4
Group Requirement	3
Minor Elective	3
	15

Sophomore Second Semester

Physics 330 (Modern Physics)	3
Astro. 271	3
Astro 271L*	1
Math 311 (Vector Calc)	3
Math 316 (ODE's)	3
Group Requirement	3
	16

Junior First Semester

P/A Elective♦	3
P/A Elective♦	3
Group Requirement	3
Group Requirement	3
Group Requirement	3
Minor/Elective	3
	18

Junior Second Semester

P/A Elective♦	3
Group Requirement	3
Group Requirement	3
Minor/Elective	3
Minor/Elective	3
Minor/Elective	3
	18

Senior First Semester

P/A Elective♦	3
Physics 400 (Seminar)*	1
Group Requirement	3
Group Requirement	3
Minor/Elective	3
Minor/Elective	3
	16

Senior Second Semester

P/A Elective♦	3
Group Requirement	3
Group Requirement	3
Minor/Elective	3
Minor/Elective	3
	15

* Although not required for graduation, these courses are recommended.

♦ Two of the physics courses 303, 307, and 405 plus three additional upper level courses in physics or astrophysics, one of which must be in astrophysics.

Summary: This leaves 36 hours of electives that can be used to create a minor or a second major.

PLEASE SEE YOUR ADVISOR for assistance in making these decisions.

Notes:

- A. All students admitted to Arts and Sciences will be required to have a demonstrated competency in English writing. This may be accomplished by passing any one of several standard tests. See the current catalog.
- B. **Group Requirements.** Please see the Undergraduate Catalog for details about core requirements of the university and the College of Arts and Sciences.
- C. The **Departmental Honors Program** requires 2 semesters of an Honors Section of Physics 456. The student and faculty mentor present a mutually-agreeable topic to the department for approval. Also, the University requires a GPA of at least 3.25. See the Honors web page for more information at <http://panda.unm.edu/AcadAdv/honors.html>
- D. Physics 167, and 168, and 267 are Recitation Sections associated with Physics 160, 161 and 262, respectively. These recitation sessions are practice in solving problems from the associated lecture courses. They are optional, but very useful.
- E. Several upper-division courses have associated 1-hour Problem Sessions, numbered Physics 451-xxx, and labeled as belonging to the associated course.