

The University of New Mexico Core Curriculum (37 units)

Writing and Speaking: (3-9 units)

Mathematics: (3 units)

Physical and Natural Sciences: (7 units)

Social and Behavioral Sciences: (6 units)

Humanities: (6 units)

Foreign Language: (non-English language; 3 units)

Fine Arts: (3 units)

Arts and Sciences College Minimum Requirements

· Total credit hours = 128

· 300/400 level credit hours = 54 or 51 if 202 second language is completed

· Minimum credit hours taught in A&S = 96

University Residence Requirements

a. Minimum hours = 30

b. Senior standing = 15 past 92

c. In major = One half

d. In minor = One quarter

Minimum graduation GPA = 2.00

Keep in mind that minimum grades on road map are for individual coursework only. Students must maintain a minimum of a 2.0 cumulative grade point average for admission to and graduation from the College of Arts and Sciences. Minimums listed for the individual courses do NOT meet the cumulative minimum.

For more information see the catalogue at www.unm.edu

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 a GPA of at least 3.25. See the Honors web page for more information at <http://panda.unm.edu/AcadAdv/honors.html>

*Physics 167, 168, 267, 331, 311, 313, 311, 415, 416, 496, and 497 are all One Credit Hour Recitation Sections associated with Physics 160, 161, 262, and 330, 301, 303, 304, 405, 406, 491, and 492, respectively. These recitation sessions are practice in solving problems from the associated lecture courses. They are very useful and strongly recommended for the major.

**Recommended and will complete Mathematics or Statistics Minor, it not taken another minor (or 2nd Major) must be completed.

Contact Information

Major Advisor:	Email:	Website: panda.unm.edu
Minor Advisor:	Email:	Website:
College Advisor:	Email:	Website: http://artsci.unm.edu/advisement/index.html

Notes:

*****Concentration Gateway Electives: This concentration requires a minimum of 6 electives, including EPS 101/105L or ENVS 101/102L and PHYC 327 or EPS 436 as gateway classes. Four additional electives may be chosen from the following list (a student can mix classes across these subject areas, depending on interest, but should work closely with their advisor to determine the best set of classes). These electives are generally chosen because they require the PHYC 160 series as pre-reqs, but students are encouraged to contact the instructors of the classes to identify themselves as Physics majors with an EPS concentration.**

The "Solid Earth" Focus includes EPS 101/105L and PHYC 327 as the gateway classes

NOTE: EPS 101 and 105L are recommended, but a motivated student could opt to gain this background on their own by reading. This should be determined in advising. Such a student may add another EPS elective instead in an appropriate semester.

The "Climate" Focus includes ENVS 101/102L and EPS 436 as the gateway classes

NOTE: ENVS 101/102L or EPS 101/105L are recommended, but a motivated student could opt to gain this background on their own by reading. This should be determined in advising. Such a student may add another EPS elective instead.

Additional Electives:

Climate/Atmosphere: EPS 436 Climate Dynamics (3), EPS 437 Applied Meteorology (3), EPS 439 Paleoclimatology (3)

Solid Earth Geophysics: PHYS 327 Introduction to Solid Earth Geophysics (3); EPS 488 Scanning Electron Microscopy (3); PHYC 4XX/EPS 5XX - Geodynamics or geological fluid mechanics (taught by Professor Roy - course number TBD); EPS 457L Mathematical Modeling in the Geosciences (3); Introduction to Seismology, Applied Seismology, Signal Processing, Inverse Theory -- these course numbers TBD and to be taught by newly hired geophysics faculty; EPS 450 Volcanology (with permission of instructor) (3)

Hydrology: EPS 476 Physical Hydrology (3), EPS 462 Hydrogeology (3), or with permission of instructor, EPS 443 Aquifers and Reservoirs (3).