

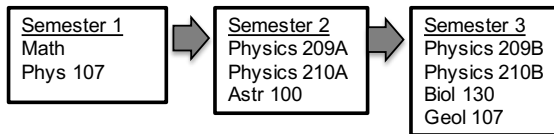
B.A. in Physical Science with Teaching Concentration

Advising Dates _____

Department of Physics and Astronomy, SSU

Name _____

Example Starting Sequence:
(See advisor for details)



Required Core Courses

Course	Units	Semester †	Grade
Astr 100 or Astr 150	3	F/S	_____
Phys 107 Phys Science	3	F	_____
Phys 209A Gen Phys I Lab	1	F/S	_____
Phys 210A Gen Phys I	3	F/S	_____
Phys 209B Gen Phys II Lab	1	F/S	_____
Phys 210B Gen Phys II	3	F/S	_____
Phys 114, 214, 116, 216 may be substituted for 209/210AB			
Phys 342 Light & Color	3	F/S	_____
Phys 340 may be substituted for 342			

Programming Course

Course	Units	Semester †	Grade
CS 115 or PHYS 381	2-4	F/S	_____

Required Supporting Course

Course	Units	Semester †	Grade
MATH 160, 161, or 165	4	F/S	_____
MATH 161AB, 161X, 165AB, or 165X will also meet this requirement.			

Teaching Concentration Courses

Course	Units	Semester †	Grade
Biol 130 Cell Bio & Gen	4	F/S	_____
Biol 131 Bio Diversity	4	F	_____
Chem 115A Gen Chem A	5	F/S	_____
Chem 115B Gen Chem B	5	F/S	_____
Geol 107 Intro to Earth Sci	3	F	_____
Geol 110 Nat. Disasters	3	F/S	_____
Sci 220 Dream, Make...	3	F/S	_____
Edss 410 Fieldwork	3	F	_____

Capstone Course - 491

Course	Units	Semester †	Grade
Phys 491 Capstone Seminar	1	S	_____

† Semester the course is typically offered is shown in gray type:
F=Fall, S=Spring, F/S=both. (Subject to Change.)

The major must include a minimum of 12 upper-division units in Physics and/or Astronomy; with an advisor, choose **6-8 units** in additional upper-division Physics/Astronomy courses.

Course	Units	Semester †	Grade
Astr 303 Life in Universe	3	F	_____
Astr 305 Front. In Astron.	3	F/S	_____
Astr 350 Cosmology	3	S	_____
Astr 492* Instruct. Design	2	F/S	_____
Astr 495 Special Studies	1-4	F/S	_____
Astr 497* Astr. Research	2	F/S	_____
Phys 300 Phys. Of Music	3	S	_____
Phys 304 The Strange World..	3	S	_____
Phys 313** Electronics	3	S	_____
Phys 313L* Electr. Lab	1	S	_____
Phys 314 ** Modern Physics	4	S	_____
Phys 340 ** Optics	3	S	_____
PHYS 366* Interm. Lab	3	S	_____
Phys 381** Comp. for Sci.	2	F	_____
Phys 492* Instruct. Design	2	F/S	_____
Phys 493* Senior Design	2	F/S	_____
Phys 494 Phys. Seminar	1 (≤3x)	F/S	_____
Phys 495 Special Studies	1-4	F/S	_____
Phys 497* Phys. Research	2	F/S	_____

* Capstone courses, taken in same semester as Phys 491, with advisor approval

** These, and additional upper-division courses in physics and astronomy are available, but include calculus-based prerequisites, or instructor consent.