

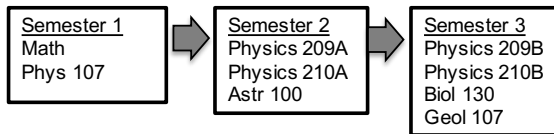
B.A. in Physical Science with Teaching Concentration

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 100 Descriptive Phys. | 3 | F/S | _____ |
| Phys 102 Des. Physics Lab | 1 | 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* Intern. 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.