

**B.A. in Physics**

Department of Physics and Astronomy, SSU

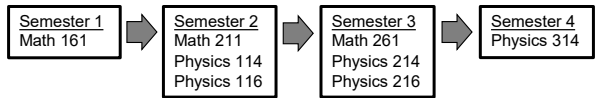
Advising Dates \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

Example Starting Sequence:  
(See advisor for details)



**Required Core Courses**

Course	Units	Semester †	Grade
{ Phys 114 Physics I	4	F/S	_____
{ Phys 116 Physics I Lab	1	F/S	_____
{ Phys 214 Physics II	4	F/S	_____
{ Phys 216 Physics II Lab	1	F/S	_____
Phys 314 <sup>†</sup> Physics III	4	S	_____
Phys 340 Optics	3	S	_____

† Phys 314 and 325 are important prerequisites for most upper-division physics courses, see catalog for details.

**Capstone Course\* - Choose One.**

Course	Units	Semester †	Grade
Astr 492* Instruct. Design	2	F/S	_____
Astr 497* Astr. Research	2	F/S	_____
Phys 491 Capstone Sem.	1	S	_____
Phys 492* Instruct. Design	2	F/S	_____
Phys 493* Senior Design	2	F/S	_____
Phys 497* Phys. Research	2	F/S	_____

\* Capstone courses, preferably taken in final Spring semester along with Phys 491 (required).

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

**Choose One Required Programming Course**

Course	Units	Semester	Grade
Phys 381 Comp. for Sci.	2	F	_____
CS 115 Programming I	4	_____	_____

Major includes a minimum of **24 upper-division units in physics and astronomy**. With an advisor, **choose 12-14 units** in additional upper-division physics and astronomy courses.

**Required Supporting Courses**

Course	Units	Semester	Grade
Math 161 Calc. I	4	_____	_____
Math 211 Calc. II	4	_____	_____
Math 261 Multiv. Calc.	4	_____	_____

Please take Math in this sequence: 161, 211, then 261

**Concentration: Courses in one other field.**

**Chosen in consultation with advisor (12 Units)**

Course	Units	Semester	Grade
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Course	Units	Semester †	Grade
Astr 303 Life in Universe	3	F	_____
Astr 305 Front. In Astron.	3	F	_____
Astr 350 Cosmology	3	S	_____
Astr 495 Special Studies	1-4	F/S	_____
Phys 300 Phys. of Music	3	S	_____
Phys 313 Electronics	3	S	_____
Phys 313L Electronics Lab	1	S	_____
Phys 320 Mechanics	3	S	_____
Phys 325 <sup>†</sup> Math Physics	3	F	_____
Phys 366 Intern. Lab	3	S	_____
Phys 381 Comp. for Sci.	2	F	_____
Phys 430 Elec. and Mag.	3	S	_____
Phys 445 Photonics	3	_____	_____
Phys 450 Stat. Physics	2	F	_____
Phys 460 Quantum	3	F	_____
Phys 466 Adv. Lab	3	_____	_____
Phys 475 Semiconductor	3	S	_____
Phys 494 Phys. Seminar 1 (≤3x)	1	F/S	_____
Phys 495 Special Studies	1-4	F/S	_____