

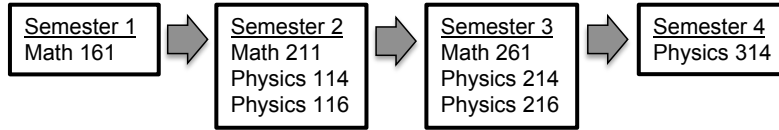
**B.S. in Physics with Concentration in Applied Physics**

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

Department of Physics and Astronomy, SSU

Name \_\_\_\_\_

Example Starting Sequence:  
(See advisor for details)



**Required Core Courses**

Course	Units	Semester ‡	Grade
{ Phys 114 Physics I }	4	F/S	_____
{ Phys 116 Phys I Lab }	1	F/S	_____
{ Phys 214 Physics II }	4	F/S	_____
{ Phys 216 Phys II Lab }	1	F/S	_____
{ Phys 313 Electronics }	3	S	_____
{ Phys 313L Electr. Lab }	1	S	_____
Phys 314 <sup>†</sup> Physics III	4	S	_____
Phys 325 <sup>†</sup> Math Physics	3	F	_____
Phys 340 Optics	3	S	_____
Phys 366 Intern. Lab	3	S	_____
Phys 381 Comp. for Sci.	2	F	_____
Phys 430 Elec. And Mag.	3	S	_____
Phys 450 Stat. Physics	2	F	_____
Phys 460 Quantum	3	F	_____
Phys 475 Semiconductor	3	S	_____

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

**Major Electives - 8 Units Advanced Electives**

**One of the courses must be a capstone (\*) course.**

Course	Units	Semester ‡	Grade
Astr 380 Astrophys.	3	_____	_____
Astr 482 Observ. Astr.	2	_____	_____
Astr 492* Instruct. Design	2	F/S	_____
Astr 495 Special Studies	1-4	F/S	_____
Astr 497* Astr. Research	2	F/S	_____
Phys 100 Desc. Phys.	3	F	_____
Phys 320 Mechanics	3	S	_____
Phys 445 Photonics	3	_____	_____
Phys 466 Adv. Lab	3	_____	_____
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, preferably taken in final Spring semester.

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

**Required Supporting Courses**

Course	Units	Semester	Grade
Chem 115A Gen. Chem I	5	_____	_____
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