

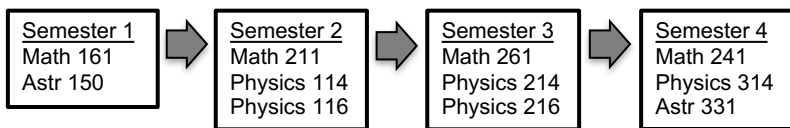
Bachelor of Science in Physics: Astrophysics Concentration

Department of Physics and Astronomy, SSU

Advising _____
 Dates: _____

Name _____

Example Starting Sequence:
 (See advisor for details)



Required Core Courses

Course	Units	Semester [‡]	Grade
Astr 150 (preferred) or 100	3	F	_____
Astr 331 Astro Imaging	2	S	_____
Astr 380 Astrophys I	3	S	_____
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 314 [†] Physics III	4	S	_____
Phys 325 [†] Math Physics	3	F	_____
Phys 340 Optics	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 314 and 325 are important prerequisites for most upper-division physics courses, see catalog for details.

Required Supporting Courses

Course	Units	Semester	Grade
Chem 115A Gen. Chem I	5	_____	_____
Math 161 Calc. I	4	_____	_____
Math 211 Calc. II	4	_____	_____
Math 241 Diff Eq+Lin Alg	4	_____	_____
Math 261 Multiv. Calc.	4	_____	_____

Please take Math in this sequence: 161, 211, 261, then 241

Major Electives - 10 Units Advanced Electives

Three of the units must be a capstone (*) course + Phys 491.

Course	Units	Semester [‡]	Grade
Astr 303 Life in the Univ.	3	F	_____
Astr 305 Frontiers in Ast.	3	F	_____
Astr 350 Cosmology	3	S	_____
Astr 482 Observ. Astr.	3	S	_____
Astr 390 Astrophysics II	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 313+L Electronics+Lab	3	F	_____
Phys 320 Mechanics	3	S	_____
Phys 366 Intern. Lab	3	S	_____
Phys 445 Photonics	3	_____	_____
Phys 466 Adv. Lab	3	_____	_____
Phys 475 Semiconductors	3	S	_____
Phys 491 Capstone Sem.	1	S	_____
Phys 494 Phys. Seminar	1 (≤3x)	F/S	_____
Phys 495 Special Studies	1-4	F/S	_____

* Capstone courses, preferably taken in final Spring semester.

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