

## Sample schedule for BS in astronomy for transfer students

This sample schedule is for the case that fall of year 1 is an even year. (This distinction is necessary because some of the upper-level astronomy courses are offered every other year.)

Assumes that the student has the AA/AS waiver and has completed 60 total credits, including MATH 113, 114, 213, 214 and PHYS 160, 161, 260, 261.

PHYS 251 can be waived if the student has taken an appropriate python programming course (e.g. CSC 201 at V.C.C.S.).

Number of credits in parentheses.

Take at least 2 of ASTR 403, 404, 420, 480. In this sample schedule, these are ASTR 403 and 404. Other options are possible. Beyond the core astronomy, physics, and math courses, an additional 15 credits of astronomy and physics are required. In this sample schedule, these are ASTR 301, 408, 420, 480 and PHYS 428. There are other possibilities (e.g. PHYS 306 “Wave Motion and Electromagnetic Radiation”, PHYS 402 “Introduction to Quantum Mechanics and Atomic Physics”).

### Fall of Year 1 (15)

ASTR 328 (3) Stars  
PHYS 251 (3) Intro to Computer Techniques in Physics  
PHYS 301 (3) Analytical Methods of Physics  
PHYS 303 (3) Classical Mechanics  
PHYS 305 (3) Electromagnetic Theory

### Spring of Year 1 (16)

ASTR 124 (1) Introduction to Observational Astronomy  
ASTR 210 (3) Introduction to Astrophysics  
ASTR 301 (3) Astrobiology  
ASTR 404 (3) Galaxies and Cosmology  
PHYS 308 (3) Modern Physics  
ENGL 302 (3) Advanced Composition

### Fall of Year 2 (14)

ASTR 401 (3) Computer Simulation in Astronomy  
ASTR 402 (4) Methods of Observational Astronomy  
ASTR 403 (3) Planetary Science  
PHYS 416 (1) Special Topics in Modern Physics  
Elective (3)

**Spring of Year 2 (15)**

ASTR 420 (3) Exoplanets  
ASTR 480 (3) The Interstellar Medium  
ASTR 408 (3) Senior Research  
PHYS 428 (3) Relativity  
Elective (3)