

Sample schedule for BS in astronomy for transfer students

This sample schedule is for the case that fall of year 1 is an odd 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 420 and 480. 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, 404, 408 (twice) 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 401 (3) Computer Simulation in Astronomy
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 420 (3) Exoplanets
ASTR 480 (3) The Interstellar Medium
PHYS 308 (3) Modern Physics
ENGL 302 (3) Advanced Composition

Fall of Year 2 (14)

ASTR 328 (3) Stars
ASTR 402 (4) Methods of Observational Astronomy
ASTR 408 (3) Senior Research
PHYS 416 (1) Special Topics in Modern Physics
Elective (3)

Spring of Year 2 (15)

ASTR 301 (3) Astrobiology
ASTR 404 (3) Galaxies and Cosmology
ASTR 408 (3) Senior Research
PHYS 428 (3) Relativity
Elective (3)