

## Sample schedule for BS in physics (astrophysics concentration) for transfer students

This sample schedule assumes that the student has already taken the equivalent of MATH 113, 114, 213, 214; PHYS 160, 161, 260, 261 and has completed the lower-level Mason core requirements.

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. You can find the course offerings for future semesters here: <http://physics.gmu.edu/~joe/course-schedule.pdf>

Number of credits in parentheses. Courses designated “Elective” are entirely at the student's discretion. At least 45 credits must be upper-level (300 or above). This sample schedule satisfies this requirement.

### Fall of Year 1 (15)

ASTR 328	(3)	Stars
PHYS 251	(3)	Intro to Computer Techniques in Physics
PHYS 262	(3)	University Physics III
PHYS 301	(3)	Analytical Methods of Physics
PHYS 303	(3)	Classical Mechanics

### Spring of Year 1 (16)

ASTR 124	(1)	Introduction to Observational Astronomy
ASTR 210	(3)	Introduction to Astrophysics
ASTR 404	(3)	Galaxies and Cosmology
ENGH 302	(3)	Advanced Composition
PHYS 307	(3)	Thermal Physics

### Fall of Year 2 (16)

ASTR 401	(3)	Computer Simulation in Astronomy
ASTR 402	(4)	Methods of Observational Astronomy
ASTR 408	(3)	Senior Research
PHYS 305	(3)	Electromagnetic Theory
PHYS 311	(3)	Instrumentation

### Spring of Year 2 (15)

ASTR 420 or 480	(3)	Exoplanets or The Interstellar Medium
PHYS 306	(3)	Wave Motion and Electromagnetic Radiation
PHYS 312	(3)	Waves and Optics
PHYS 402	(3)	Quantum Mechanics
PHYS 428	(3)	Relativity