

ASTROPHYSICS

Freshman Year

Fall Semester		Spring Semester	
	crs		crs
Math 1371 (or 1271) Calc I <i>(1371 Fall only)</i>	4	Math 1372 (or 1272) Calc II <i>[Math 1271 or 1371]</i>	4
Phys 1301 Intro Phys I <i> [&Math 1271 or &Math 1371]</i>	4	Phys 1302 Intro Phys II <i>[1301, &Math 1272 or &Math 1372]</i>	4
Lib Ed*	3 or 4	Lib Ed*	3 or 4
Lib Ed*	3 or 4	Lib Ed*	3 or 4

*You should try to take EngC 1011 in the freshman year.

Sophomore Year

Fall Semester		Spring Semester	
	crs		crs
UD Math 2374 or 2263 Multivar. Calculus <i>[Math 1272 or 1372]</i>	4	Ast 2001 Intro Astrophysics <i>[1 yr calculus, Phys 1302]</i>	4
Phys 2201 Thermo and Stat Physics <i>[1302, Math 1372]</i>	3	UD Math 2373 or 2243 Lin Alg & Diff Eqs <i>[Math 1272 or 1372]</i>	4
Phys 2503 Phys III: Waves, Optics, Spec Rela <i>[1302, Math 1372]</i>	4	UD Phys 2601 Quantum Phys <i>[Phys 2503, &2605, &Math 2373]</i>	4
Lib Ed	3 to 4	Phys 2605 Quantum Phys Lab <i> [&Phys 2601]</i>	2

You need 120 semester credits to earn your degree.

Shaded courses are offered only once each year.

Course prerequisites are indicated under the course number.

UD You must have at least a 2.00 technical GPA for admission to upper division Astrophysics. This GPA includes all calculus, physics, chemistry, geology, computer science, and engineering courses. In addition, courses with UD need to be completed before you apply, unless you have at least a 2.50 tech GPA and the courses in progress.

For students admitted to the University prior to Fall 2002, the 2.00 GPA includes all courses taken at the U.

Junior Year

Fall Semester		Spring Semester	
	crs		crs
Math 2283 or 3283W Found's (3283 is WI) <i>[1372]</i> or an upper division math course	3 or 4	Phys 4002 Electricity and Magnetism <i>[2503 or 2601 or Chem 3501 or Chem 3502, two sems soph math]</i>	4
Phys 4001 Analytical Mech <i>[2503 or 2601 or Chem 3501 or Chem 3502, two sems soph math]</i>	4	Ast 4xxx or 5xxx	4
Ast 4xxx or 5xxx	4	Lib Ed	3
Lib Ed	3	Elective	

Senior Year

Fall Semester		Spring Semester	
	crs		crs
Ast 4994 Senior Thesis (WI)	3 or 4	Electives	
Electives			

Courses with a double-lined border are Writing Intensive (WI) courses and count toward your writing intensive requirement. You are required to complete four writing intensive courses, one of which must be at the 3xxx-level, and one of which must be in your major department.

Math 2373 and 2243 are Linear Algebra and Differential Equations.
Math 2374 and 2263 are Multivariable Calculus and Vector Analysis.