

ASTROPHYSICS beginning with Math 1155--intensive precalculus

Freshman Year

Fall Semester	crs	Spring Semester	crs
Math 1155 Intensive Precalc	5	Math 1271 Calc I	4
Lib Ed*	3 or 4	Phys 1301W Intro Phys I [&Math 1271 or &Math 1371]	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 English Composition in the freshman year.

Sophomore Year

Fall Semester	crs	Spring Semester	crs
Math 1372 Calc II [Math 1271 or Math 1371]	4	UD Math 2373 or 2243 Lin alg/diff eqs [Math 1272 or 1372]	4
Phys 1302W Intro Phys II [1301, &Math 1272 or &Math 1372]	4	Lib Ed	3 to 4
Lib Ed	3 to 4	Electives	7 to 8
Lib Ed	3 to 4		

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	crs	Spring Semester	crs
UD Math 2374 or 2263 Multivariable calc [Math 1272 or 1372]	4	Ast 2001 Intro Astrophysics [1 yr calculus, Phys 1302]	4
Phys 2503 Phys III: Waves, Optics, Spec Rela [1302, Math 1272 or 1372]	4	Math 2283 or 3283W Found's (3283 is WI) [Math 1372]	3
Phys 2201 Thermo and Stat Physics [1302, Math 1372]	3	UD Phys 2601 Quantum Phys [Phys 2303 or 2503, &2605, &Math 2263]	4
Electives		Phys 2605 Quantum Phys Lab [&Phys 2601]	2

Senior Year

Fall Semester	crs	Spring Semester	crs
Phys 4001 Analytical Mech [Phys 2503 or 2601 or Chem 3501 or Chem 3502, two sems soph math]	4	Phys 4002 Electricity and Magnetism [Phys 2503 or 2601 or Chem 3501 or Chem 3502, two sems soph math]	4
Ast 4994 Senior Thesis (WI)	3 or 4	Ast 4xxx or 5xxx	4
Ast 4xxx or 5xxx	4	Electives	
Elective			

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.
Ast 1002 - Exploring the Universe is also WI.

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

You need 120 semester credits to earn your degree.