

Astrophysics and Astroparticle Physics Minor

Program Requirements

- **Total units required:** 20-22

Required Courses

Required Introductory Courses

Minors in astrophysics and astroparticle physics are required to complete a series of introductory courses.

They may take either:

Code	Title	Units
Physics 191	Physics I	3
Physics 191L	Physics I Laboratory	1
Physics 192	Physics II	3
Physics 192L	Physics II Laboratory	1
Total Units		8

or:

Code	Title	Units
Physics 193	Focused Physics I	4
Physics 193L	Focused Physics I Laboratory	1
Physics 194	Focused Physics II	4
Physics 194L	Physics II Laboratory	1
Total Units		10

Other Required Courses

In addition, minors in astrophysics and astroparticle physics are required to complete the following courses:

Code	Title	Units
Physics 217	Introduction to Quantum Physics	3
Physics 312	Introduction to Astrophysics	3
Total Units		6

Minors must also take two of the following eight courses:

Code	Title	Units
Physics 319	Quantum Theory of Matter	3
Physics 446	Galactic Astrophysics	3
Physics 456	Stellar Astrophysics	3
Physics 460	X-ray & Gamma-ray Astrophysics	3

Physics 474	Introduction to Particle Physics	3
Physics 476	Astrophysics	3
Physics 478	From Black Holes to the Big Bang	3
Physics 3330	Planets and Life in the Universe	3

Website: <http://physics.wustl.edu>