

Physics-Astronomy Combined Major

Degree Type

Bachelor of Arts

Total Credits Requirements for a Physics-Astronomy Combined Major

- 22 credits in astronomy
- 24 credits in physics
- 13 credits in mathematics and statistics
- Required Courses
 - Astronomy 177, 178, 179,
 - Two courses from Astronomy 310, 320, 330
 - At least two credits from: Astronomy 310, 320, 330, 350, 360, 380, 391, 392 or 490
- - Physics 145 or 155 or 347
 - Physics 156, 245, 255, and 267
 - Two courses from Physics 325, 339, 347, 357, 385
 - One physics course 300-480 or BBMB 324 and 334
 - Mathematics 225 and 244

Required Courses

Item #	Title	Credits
Astronomy 177	Sky and Planets	4.0
Astronomy 178	Sun and Stars	4.0
Astronomy 179	Galaxies and Cosmology	4.0
Astronomy 310	Stellar Astrophysics	4.0
	Astronomy 320 or 330	4
	At least two credits from Astronomy 320, 330, 350, 360, 380, 391, 2 392 or 490	
	Physics 145 or 155 or 347	4
Physics 156	General Physics II	4.0
Physics 245	Twentieth Century Physics I	3.0
Physics 255	Twentieth Century Physics Laboratory	1.0
Physics 267	Analog & Digital Electronics and Instrumentation	3.0
	Two courses from Physics 325, 339, 347, 357, 385	6
	One physics course 300-480 or BBMB 324 and 334	3
	13 credits in mathematics (including Mathematics 125 and 126)	13

Other notes

- If students place out of Physics 155, they must take Physics 347
- Physics 347 may not be used to satisfy multiple requirements
- Additional physics courses, Computer Science 167, Mathematics 240, 367, and 368 are recommended
- No courses may be taken PDF

Senior Requirements

- Senior assessment consisting of a
 - Two-part comprehensive written examination
 - One-hour oral exam conducted jointly

Honors

- Students submit a Honors in Major Study Application to their department
- Students must submit a proposal for their thesis or project
- Must be submitted within the first six weeks of the two-semester period in which student is eligible
- Accumulated at least 87 credits
- Completed two semesters of residency at Whitman.
- Cumulative GPA of at least 3.300 on all credits earned at Whitman College
- Major GPA of at least 3.500
- Complete a written thesis or research project prepared exclusively for the satisfaction of this program
- Earn a grade of at least A- on the honors thesis or project and the honors thesis course.
- Pass the senior assessment with distinction
- The department will submit the Honors applications to the Registrar's Office of students pursuing Honors by the specified deadline
- The department submit "Senior Assessment/Major Study Certificate" to the Registrar's Office no later the Reading Day
- An acceptable digital copy of the Honors Thesis must be submitted to Penrose Library no later than Reading Day

Total Credits

59