Astronomy & Astrophysics Major

Year	Autumn Semester	Credit hours	Comment		Spring Semester	Credit Hours	Comment
1	ArtsSci 1100.10	1	Survey		Astron 1221^	3	Data Analysis (Python)
	Astron 2895	1	Seminar		Math 1152*	5	Calculus II
	Math 1151*	5	Calculus I		Physics 1251#	5	Intro Physics II
	Physics 1250	5	Intro Physics I		World Lang. 2	4	
	World Lang. 1	4					
	Total Hours	**16**			**Total Hours**	**17**	
2	Astron 2291	3	Intro Astrophysics I		Astron 2292	3	Intro Astrophysics II
	Math 2153*	4	Calculus III		Math 2415*	3	Differential Equations
	Physics 2300#	4	Mechanics I		Math 2568*	3	Linear Algebra
	World Lang. 3	4			Physics 2301#	4	Mechanics II
					Physics 3700	3	Data Analysis Lab
	Total Hours	**15**			**Total Hours**	**16**	
3	Astron 3350	3	Methods of Observation		Astron 5681/5682	3	Stellar Evo./Cosmology
	Physics 5500	4	Quantum Mechanics I		Physics 5400	4	E&M
	Gen Ed	3			Physics 5501	4	Quantum Mechanics II
	Gen Ed	3			Gen Ed	3	
	Gen Ed	3			Gen Ed	3	
	Total Hours	**16**			**Total Hours**	**17**	
4	Physics 5600	4	Statistical Mechanics		Gen Ed	3	
	Gen Ed	3			Gen Ed	3	
	Gen Ed	3			Gen Ed	3	
	Gen Ed	3			Free Elective†	3	
	Total Hours	**13**			**Total Hours**	**12**	

Courses in YELLOW are only offered in the term shown

Enrollment information can be found at https://physics.osu.edu/controlled-access-courses

NOTE: this is **only one of many** possible ways to move through the Astronomy & Astrophysics curriculum. Consult with an academic advisor to develop and refine an academic plan that is appropriate for you.

* Many variations on the calculus sequence can be used in place of the standard sequence shown. Additional math courses may be required for placement below L. Consult with an academic advisor for other options.

^The Astronomy 1221 (Python) programming class can be substituted by taking either CSE 1222 (C++) or CSE 1223 (Java). These are both offered year-round.

#Certain Physics courses require a minimum grade of C+ to move on to the next course(s) in the sequence.

† Free electives are only required if a student needs to take extra courses in order to reach the minimum requirement of 121 credit hours for the B.S. degree set by the College of Arts and Sciences.