ASTROBIOLOGY MINOR

College of Arts and Sciences

Program Website (http://astro.cornell.edu)

Program Description

The Astrobiology Minor is designed for students who are interested in astronomy, geophysics, biology, and science communication.

Open to all Cornell undergraduates not enrolled in an Astronomy major. Minimum grades:

- B- in 1000–2000 level courses
- C- in 3000-level and above
- Up to 4 credits of ASTRO 4940 Independent Study in Astronomy may be applied with approval of the Astronomy Director of Undergraduate Studies

To apply for an Astronomy Minor make an appointment to visit the Director of Undergraduate Studies (astrodus@cornell.edu).

Minor Requirements

- 15 total credits
- 2 or 3 Astronomy courses (2 at 3000-level or above)
- 2 or 3 interdisciplinary courses (1 must be biology-related)

The astrobiology minor provides a cross-disciplinary frame work linking selected Astronomy courses with appropriate courses in Earth and Atmospheric Science, Biology and Science Communication, including:

Code	Title	Hours
Astronomy		
Select two or three courses from the list below, at least one of which must be at or above the 3000 level:		9-11
ASTRO 1101	From New Worlds to Black Holes	
ASTRO 1102	Our Solar System	
ASTRO 2202	A Spacecraft Tour of the Solar System: Science, Policy and Exploration	
ASTRO 2212	The Solar System: Planets, Small Bodies and New Worlds	
ASTRO 2299	Search for Life in the Universe	
ASTRO 3301	Exoplanets and Planetary Systems	
ASTRO 3302	The Life of Stars: From Birth to Death	
ASTRO 3310	Planetary Image Processing with MATLAB	
ASTRO 3334	Data Analysis and Research Techniques in Astronomy	
Additional Courses		
Select two or three courses in other departments from the list below, at least one of which must be from the first three courses which are focused on Biology/Geobiology:		9-12
BIOMI 2900	General Microbiology Lectures	
EAS 2250	The Earth System	
EAS 3030	Introduction to Biogeochemistry	
BIOMG 4380	RNA in Biology and Medicine	
BIOMG 4810	Population Genetics	
COMM 2850	Communication, Environment, Science, and Health	
COMM 3020	Science Writing for the Media	
COMM 4660	Public Communication of Science and Technology	
EAS 2500	Meteorological Observations and Instruments	
EAS 3010	Evolution of the Earth System	
EAS 3050	Climate Dynamics	