

Astrobiology Minor (Non-Teaching)

The Astrobiology Minor is designed to educate students in this interdisciplinary field covering the varied scientific disciplines that contribute to our general understanding of life, the origin of life, the past history of life on Earth, possible futures for life on Earth, and the possible existence of life on other planetary environments. The principal goal of the minor is to develop students' literacy in astrobiology so they can critically evaluate claims related to this field that they encounter well after their college education has ended.

Required Courses

PHSX 220	Physics I with Calculus	4
or PHSX 240	Honors Gen & Mod Phys I	
or PHSX 205	College Physics I	
PHSX 222	Physics II with Calculus	4
or PHSX 242	Honors Gen & Mod Phys II	
or PHSX 207	College Physics II	
BIOB 170IN	Principles of Biological Diversity	4
or BIOB 260	Cellular and Molecular Biology	
or BIOB 160	Principles of Living Systems	
CHMY 141	College Chemistry I	4
or CHMY 121IN	Introduction to General Chemistry	
ERTH 101IN	Earth System Sciences	4
or GEO 211	Earth History and Evolution	
ASTR 371	Solar System Astronomy	4
ASTR 350	(Astrobiology) ^{Astrobio taught at special topic in S20}	3

Elective Courses

Choose 4 credits from the following to have total of 31 credits:		4
ASTR 110IN	Introduction to Astronomy: Mysteries of the Sky	
ASTR 373	Stars, Galaxies, and the Universe	
BCH 380	Biochemistry	
BCH 441	Biochemistry of Macromolecules	
BCH 442	Metabolic Regulation	
BIOB 375	General Genetics	
BIOB 420	Evolution	
BIOE 370	General Ecology	
BIOM 360	General Microbiology	
ERTH 505	Geomicrobiology	
GEO 140IN	Planetary Geoscience	
GEO 211	Earth History and Evolution	
HSTR 207CS	Sci and Tech in World History	
or HSTR 417	Early Modern Science	
or HSTR 419	Modern Science	
or PHL 345	Philosophy of Science	
or CHMY 102CS	Applying Chemistry to Society	
HSTR 282CS	Darwinian Revolution	
PHSX 435	Astrophysics (a.k.a. ASTR 435)	
PHSX 492	Independent Study (Maximum of 1 credit total of these can apply to minor)	
or BIOB 492	Independent Study	

PHSX 494 Seminar/Workshop (Maximum of 1 credit total of these can apply to minor)

or BIOB 494 Seminar/Workshop

Each course can only count once towards requirements.

Only 1 credit of independent study can count towards electives

Only 1 credit of seminar can count towards electives

Total Credits 31

Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.