



THE UNIVERSITY OF ARIZONA
COLLEGE OF SCIENCE

LUNAR & PLANETARY LABORATORY

Astrobiology Undergraduate Minor Program Approval

Undergraduate students may obtain a minor in Astrobiology. The Astrobiology minor consists of 18 units:

- 9 units of core courses (yellow highlight)
- 9 units of elective courses
- All elective courses subject to final faculty approval.

Date	SID
Student Name	Email Address
Major Dept.	Other minor

Course Number	Course Title	Units	Grade	Completed
ASTR 475	Planetary Astrobiology	3		
ASTR 488A	Astrochemistry	3		
GEOS 478	Global Change	3		
GEOS 484	The Coevolution of Earth and the Biosphere	3		
MCB 315	Key Concepts in Quantitative Biology	3		
MCB 437	Life in Extreme Environments	3		
PTYS 407	Chemistry of the Solar System	3		
PTYS 450	Origin of the Solar System and Other Planetary Systems	3		
ASTR 202 <u>OR</u> PTYS 214	Life in the Universe <u>OR</u> Life in the Cosmos	3		
ASTR 300A	Astronomy & Astrophysics	3		
BIOC 384	Foundations in Biochemistry	3		
BIOC 385	Metabolic Biochemistry	3		
BIOC 462A	Biochemistry	4-5		
BIOC 462B	Biochemistry	4-5		
CHEM 400B	Chemical Measurements Laboratory	3		
CHEM 480A	Physical Chemistry I	3		

CHEM 480B	Physical Chemistry II	3		
CHEM 481	Biophysical Chemistry	3		
CMM/ECOL/MCB 479	Art of Scientific Discovery	3		
ECOL 380	Math Models in Biology	3		
ECOL 408L	Genes, Biotechnology and the Environment	2		
ECOL 426	Population Genetics	3		
ECOL 453	Functional and Evolutionary Genomics	4		
ECOL 465	Phylogenetic Biology	3		
ECOL 496N	Non-Linear Dynamics of Biological Systems	2-4		
ENVS/MIC 425	Environmental Microbiology	3		
GEOG/ECOL/GEOS 338	Biogeography	3		
GEOS 302	Principles of Stratigraphy and Sedimentation	4		
GEOS 426A	Research Methods in Aquatic Sciences	6		
GEOS 430	The Chemical Evolution of Earth	3		
GEOS 466	Stable Isotope Geochemistry and Paleoclimate	3		
GEOS 497K	Dendroecology	3		
MCB 396I	Career Exploration and Professional Development	2		
MCB 414	Science and Theology	3		
PHIL/ECOL 421	Philosophy of the Biological Sciences	3		
PTY/GEOS/ASTR/PHYS 403	Physics of the Solar System	3		
PTY/ASTR/GEOS 442	Mars	3		

Minor Completed		
	Astrobiology advisor signature	Date

Revised 09/3/2025