

MICROBIOLOGY, MINOR

Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Minor Course Requirements		Hours
BSC 114	Principles Of Biology I	4
& BSC 115 or	and Laboratory Biology I	
BSC 118	Honors General Biology I	
BSC 116	Principles Biology II	4
& BSC 117 or	and Laboratory Biology II	
BSC 120	Honors Gen Biology II	
BSC 310	Microbiology	3
BSC 311	Microbiology II	3
BSC 312	Microbiology Lab	2
Credit Hours Subtotal:		16

Electives

Select 6 hours of approved BSC electives at the 300- or 400-level (see list of approved courses below)	6
Credit Hours Subtotal:	6

Prerequisite Courses

Grades in prerequisite courses are not computed into the minor GPA. The minor in microbiology requires the successful completion of the following courses outside the minor:

CH 100 or	General Chemistry I - Plus	4 or 5
CH 101 or	General Chemistry	
CH 117	Honors General Chemistry	
CH 102 or	General Chemistry	4
CH 118	Honors General Chemistry	
CH 231 or	Elem Organic Chemistry I	3
CH 331	Honors Organic Chemistry 1	
Credit Hours Subtotal:		11-12

Required Hours for the Minor ¹

The minor in microbiology requires 22 hours of BSC courses as well as 11-12 hours of ancillary chemistry courses.

Enrichment Course Information ²

The department offers a number of courses designed to enrich the learning experience of students beyond the traditional classroom setting. Enrichment courses include:

BSC 390	Honors Thesis Research	1 to 8
BSC 398	Undergraduate Research	1-4
BSC 399	Presentation of UG Research	2
BSC 403	Intro To Bsc Instruction	2
BSC 404	Honors Bsc Instruction	2

Footnotes

¹ A maximum of 12 hours of 100-level biology courses (BSC 108 Intro Biology Non Maj I, BSC 109 Intro Biology Non Maj II, BSC 114 Principles Of Biology I, BSC 115 Laboratory Biology I, BSC 116 Principles Biology II, BSC 117 Laboratory Biology II, BSC 118 Honors General Biology I or BSC 120 Honors Gen Biology II) may be applied to degree requirements.

² Beyond specific restrictions listed for each course, a total of four hours from this group may be applied to the requirements of the microbiology minor. An additional four hours may be applied as electives to the requirement for 120 hours for the degree. BSC 409 Pre-Health Apprenticeship I and BSC 410 Pre-Health Apprenticeship II are not applicable to the major or minor in microbiology.

Approved Electives

Other BSC courses must be selected from the following:

Code and Title	Hours	
BSC 300	Cell Biology	3
BSC 301	Cell Biology Laboratory	3
BSC 313	Gen Bacteriology Lab	3
BSC 380	Intro Stats Biology	3
BSC 390	Honors Thesis Research	1 to 8
BSC 391	Tutorial In Biol Science	1-2
BSC 396	Resident Study	1-6
BSC 398	Undergraduate Research	1-4
BSC 399	Presentation of UG Research	2
BSC 403	Intro To Bsc Instruction	2
BSC 404	Honors Bsc Instruction	2
BSC 407	Honors Seminar In Bsc	1
BSC 411	Phage Discovery Laboratory	3
BSC 416	Disease Ecology	3
BSC 426	Computational Biology Lab	3
BSC 431	Pathogenic Microbiology	3
BSC 435	Immunology	4
BSC 439	Bch/Molecular Biology Lab	3
BSC 442	Integrated Genomics	4
BSC 444	General Virology	3
BSC 450	Fundamentals of Biochemistry	3
BSC 451	Molecular Biology	3
BSC 453	Biochemistry Lab	3
BSC 456	Microbial Ecology	3
BSC 464	Biology Of Algae	4
BSC 467	Honors Data Man. Vis. in R	3
BSC 472	Mycology	4
BSC 473	Bioinformatics	3
BSC 478	Microbiomes Health & Disease	3
BSC 481	Foundations in Advanced Biostatistics with Applications to R	3
BSC 488	Research Seminars in Biology	1
BSC 497	Special Topics	1-4

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points section of this catalog for an explanation on grade point average calculations.

Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

Prerequisites

Prerequisites for all BSC courses at the 300- and 400- level must be passed with a minimum grade of C-.

Restrictions on Course Attempts

No undergraduate course offered by the Department of Biological Sciences may be attempted more than three times. Mid-semester withdrawal (any withdrawal that results in a final grade of W) is not considered an attempt. Students who, in three attempts, fail to pass a required course or fail to make a C- or better in a Biology course that is a prerequisite for a required upper level course may no longer minor in microbiology.