

# MINOR IN BOTANY

## Requirements Effective Fall 2024

Students must satisfactorily complete the total credits required for the minor. Minors and interdisciplinary minors require 12 or more upper-division (300- to 400-level) credits.

Additional coursework may be required due to prerequisites.

Code	Title	Credits
<b>Lower Division</b>		
Select one group from the following:		4-8
Group A:		
BZ 120	Principles of Plant Biology (GT-SC1)	
Group B:		
LIFE 102	Attributes of Living Systems (GT-SC1)	
LIFE 103	Biology of Organisms-Animals and Plants (GT-SC1)	
<b>Upper Division</b>		
Minimum of 10 credits of Upper-Division BZ courses (see list below)		10
Minimum of 7 additional credits from Upper-Division BZ courses or other courses approved by the department (see list below)		7
<b>Program Total Credits:</b>		<b>21-25</b>

## BZ Upper Division Courses

Code	Title	Credits
BZ 223	Plant Identification	3
BZ 325	Plant Systematics	4
BZ 331	Developmental Plant Anatomy	4
BZ 333	Introductory Mycology	4
BZ 342	Exploring Range Shifts in a Changing World	3
BZ 384	Supervised College Teaching	1-5
BZ 424/BSPM 424	Principles of Systematic Science	3
BZ 440	Plant Physiology	3
BZ 441	Plant Physiology Laboratory	2
BZ 450	Plant Ecology	4
BZ 460	Genome Evolution	4
BZ 471	Stream Biology and Ecology	3
BZ 472	Stream Biology and Ecology Laboratory	1
BZ 476/BZ 576	Genetics of Model Organisms	3
BZ 477	Genome Editing Laboratory	2
BZ 487	Internship	1-12
BZ 495	Independent Study	1-3
BZ 498	Laboratory or Field Research	1-6
BZ 530	Ecological Plant Morphology	2
BZ 540	Translocation in Plants	2
BZ 570	Molecular Aspects of Plant Development	3
BZ 572	Phytoremediation	3

## Other Upper Division Courses

Code	Title	Credits
ATS 350	Introduction to Weather and Climate	2
BSPM 308	Ecology and Management of Weeds	3
BSPM 361	Elements of Plant Pathology	3
BSPM 365	Integrated Tree Health Management	4
BSPM 450	Molecular Plant-Microbe Interaction	3
F 311	Forest Ecology	3
F 324	Fire Effects and Adaptations	3
F 325	Silviculture	3
F 421	Ecological Forest Management	3
F 466/HORT 466	Urban and Community Forestry	3
F 510	Ecophysiology of Trees	3
GR 348	Biogeography	3
HORT 401	Medicinal and Value-Added Uses of Plants	3
HORT 476	Environmental Plant Stress Physiology	3
RS 313/F 313	Dendrology and Herbaceous Plant ID	3
RS 331	Wildland Plants and Plant Communities	3
RS 351	Wildland Ecosystems in a Changing World	3
RS 378	Disturbance Ecology	2
RS 420	Grass Taxonomy	3
SOCR 210	Microbiome Roles in a Sustainable Earth (GT-SC2)	3
SOCR 335	Applied Plant Genetics	3
SOCR 375	Soil Biogeochemistry	3
SOCR 440	Pedology	4
SOCR 441	Soil Ecology	3
SOCR 442	Forest and Range Soils	3