

# BOTANY MINOR

## Lower Division Requirements

(	BZ120 Principles of Plant Biology (4)	)
	<b>OR</b>	
(	LIFE102 Attributes of Living Systems (4)	)
	LIFE103 Biology of Organisms (4)	)

## Upper Division Requirements

A minimum of 17 credits are needed from the following:

<p>Choose a minimum of 10 credits from Upper Division BZ courses below.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>Total Credits: _____</p>	<p>Choose a minimum of 7 additional Upper Division credits. These can be additional BZ courses or approved courses in other areas listed below.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>Total Credits: _____</p>
---	---

BZ 223 (3) Plant Identification (online)  
BZ 325 Plant Systematics (4)  
BZ 331 Plant Anatomy (4)  
BZ 333 (4) Introductory Mycology (summer only)  
BZ 342 (3) Exploring Range Shifts in a Changing World  
BZ 360 (3) Bioinformatics & Genomics  
BZ 415 (4) Marine Biology  
BZ 440 Plant Physiology (3)  
BZ 441 Plant Physiology Lab (2)  
BZ 450 Plant Ecology (4)  
BZ 460 (4) Genome Evolution  
BZ 471 (3) Stream Biology and Ecology  
BZ 472 (1) Stream Biology and Ecology Lab  
BZ 476 (3) Genetics of Model Organisms  
BZ 477 (2) Genome Editing  
BZ 540 (2) Translocation in Plants  
BZ 561 (3) Landscape Ecology  
BZ 570 (3) Molecular Aspects of Plant Development  
BZ 572 (3) Phytoremediation

ATS 350 (2) Introduction to Weather & Climate  
BSPM 308 (3) Ecology & Management of Weeds  
BSPM 361 (3) Elements of Plant Pathology  
BSPM 365 (4) Integrated Tree Health Management  
BSPM 450 (3) Molecular Plant-Microbe Interaction  
F 311 (3) Forest Ecology  
F 324 (3) Fire Effects & Adaptations  
F 325 (3) Silviculture  
F 421 (3) Ecological Forest Management  
F 466/HORT 466 (3) Urban and Community Forestry  
F 510 (3) Ecophysiology of Trees  
GR 348 (3) Biogeography  
HORT 401 (3) Medicinal & Value-Added Uses of Plants  
HORT 476 (3) Environmental Plant Stress Physiology  
RS 313/F/313 (3) Dendrology and Herbaceous Plant ID  
RS 331 (3) Wildland Plants & Plant Communities  
RS 351 (3) Wildland Ecosystems in a Changing World  
RS 378 (2) Disturbance Ecology  
RS 420 (3) Grass Taxonomy

**\*With approval of the Curriculum Committee, up to 3 credits of the following can be applied toward a student's major electives:**

\*BZ 384 Supervised College Teaching

\*BZ 487 Internship

\*BZ 495 Independent Study

\*BZ 498 Laboratory Research

SOCR 210 (3) Microbiome Roles in a Sustainable Earth

SOCR 335 (3) Applied Plant Genetics

SOCR 375 (3) Soil Biogeochemistry

SOCR 440 (4) Pedology

SOCR 441 (3) Soil Ecology

SOCR 442 (3) Forest and Range Soils