

Ethnobotany

Major

	MAJOR	MINOR
Total Hours Required:	71	20-21

Minor

See related programs:

- BIOLOGY
- CULTURAL ANTHROPOLOGY
- ENVIRONMENTAL ANALYSIS & PLANNING
- FORESTRY
- GEOGRAPHY
- INTERPRETIVE BIOLOGY & NATURAL HISTORY
- SUSTAINABILITY STUDIES
- WILDLIFE & FISHERIES

Coordinator:

Sunshine L. Brosi, Assistant Professor,
Department of Biology

Participating Faculty:

Professors:

Precht

Associate Professors:

Biser, (Chemistry), R.S. Fritz,
Li (Biology)

Assistant Professors:

Brosi, Fiscus, Puthoff (Biology),
Rogers Thomas (Sociology)

- Ethnobotany is an interdisciplinary major.
- You are encouraged to minor in related fields, including cultural anthropology, chemistry, geography, sociology, foreign language, biology and sustainability studies.
- A degree in Ethnobotany will prepare you for work in government and non-governmental organizations focused on resource management, conservation, and related areas where human communities and natural environments interact.
- You are encouraged to participate in summer internships with local and regional organizations.
- Students interested in professional and graduate degrees may need to take additional courses.
- You have the option to participate in research on medicinal plants of the Appalachian region through the Appalachian Center for Ethnobotanical Studies (ACES) a cooperative program with Frostburg State University, West Virginia University and the University of Maryland Biotechnology Institute.

Summary of Requirements for Major in Ethnobotany

Major

1. Scientific Foundations (22 hours)

BIOL 149 General Biology I (GEP Group C)
BIOL 150 General Biology II
CHEM 201 General Chemistry I (GEP Group C)
GEOG 103 Physical Geography (GEP Group C)
MATH 209/219 Elements of Applied Probability and Statistics (Core Skill 3)
MATH 102 College Algebra (Core Skill 3)
or MATH 120 Pre-Calculus (Core Skill 3)
or any math course above 210

2. Ethnobotany Core (13 hours)

BIOL 128 Introduction to Ethnobotany
BIOL 328 Economic Botany
BIOL 428 Ethnographic Field Techniques (capstone)
BIOL 460 Field Experiences in Forestry

3. Botany and Plant Ecology (24 hours)

GEOG 445 Biogeography
BIOL 303 Plant Physiology
BIOL 305 Dendrology
BIOL 312 Morphology of Plants
BIOL 314 Plant Taxonomy
BIOL 340 General Ecology
BIOL 425 Forest Ecology and Conservation

4. Cultural Perspectives (12 hours)

GEOG 104 Human Geography (GEP Group D or F)
or GEOG 110 World Regional Geography (GEP Group D or F)
SOC 224 Cultural Anthropology (GEP Group F)
SOC 350 Folklore in Appalachia

Minor

1. Scientific Foundations (4 hours)

BIOL 149 General Biology I (GEP Group C)

2. Ethnobotany Core (7 hours)

BIOL 128 Introduction to Ethnobotany

Select one additional course from:

BIOL 328 Economic Botany
BIOL 428 Ethnographic Field Techniques
BIOL 460 Field Experiences in Forestry

3. Botany and Plant Ecology (3 hours)

GEOG 445 Biogeography

4. Cultural Perspectives (3 hours)

SOCI 224 Cultural Anthropology (GEP Group F)

5. Electives (3-4 hours)

Select one additional course from:

BIOL 303 Plant Physiology
BIOL 305 Dendrology
BIOL 312 Morphology of Plants
BIOL 314 Plant Taxonomy
BIOL 340 General Ecology
BIOL 425 Forest Ecology and Conservation
GEOG 104 Human Geography (GEP Group D or F)
or GEOG 110 World Regional Geography (GEP Group F)
SOC 350 Folklore in Appalachia