Ethnobotany

MAJOR
MINOR

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

Coordinator: Sunshine L. Brosi, Associate Professor, Department of Biology
Participating Faculty:
Professors: Fritz, Li (Biology), Precht
Associate Professors: Biser, (Chemistry), Brosi (Biology), 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.

Requirements for Major in Ethnobotany

1. Scientific Foundations (22 hours)
   BIOL 149 General Biology I (GEP Group C)
   BIOL 161 General Botany
   CHEM 201 General Chemistry I (GEP Group C)
   or CHEM 150 General, Organic and Biochemistry (GEP Group C)
   GEOG 103 Physical Geography (GEP Group C)
   MATH 109/110 Elements of Applied Probability and Statistics
      (Core Skill 3)
   MATH 119 College Algebra (Core Skill 3)
   or MATH 120 Pre-Calculus (Core Skill 3)
   or any math course level III or higher

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)
   BIOL 313 Plant Evolution and Diversity
   BIOL 340 General Ecology
   BIOL 403 Plant Physiology
   BIOL 405 Dendrology
   BIOL 409 Plant Taxonomy
   BIOL 425 Forest Ecology and Conservation
   GEOG 445 Biogeography

4. Cultural Perspectives (9 hours)
   GEOG 104 Human Geography (GEP Group D or F)
   or GEOG 110 World Regional Geography (GEP Group D or F)
   SOCI 224 Cultural Anthropology (GEP Group F)
   SOCI 350 Folklore in Appalachia

Program Requirements

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<td>Total Hours Required:</td>
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Requirements for Minor in Ethnobotany

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 313 Plant Evolution and Diversity
   - BIOL 340 General Ecology
   - BIOL 403 Plant Physiology
   - BIOL 405 Dendrology
   - BIOL 409 Plant Taxonomy
   - BIOL 425 Forest Ecology and Conservation
   - GEOG 104 Human Geography *(GEP Group D or F)*
     *or GEOG 110 World Regional Geography *(GEP Group F)*
   - SOCI 350 Folklore in Appalachia