Curriculum Requirements for B. S. in Plant Biology
Ethnobotany Concentration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALS 103</td>
<td>Introductory Topics in ALS</td>
<td>1</td>
</tr>
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**Languages (9 credits)**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 111</td>
<td>Composition and Rhetoric</td>
<td>3</td>
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<tr>
<td>ENG 112</td>
<td>Composition and Reading</td>
<td>3</td>
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<td></td>
<td>Writing and Speaking</td>
<td>3</td>
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**Humanities and Social Sciences (21 credits)**

**A.** Two courses from the History and Literature Lists (may be either 2 History courses, 2 Literature courses, or 1 History course and 1 Literature course).

Recommended courses:
- AFS/HI 275. Introduction to History of South & East Africa.
- AFS/HI 276. Introduction to History of West Africa.
- HI 207. Ancient World to 180 A.D.
- HI 208. The Middle Ages.
- HI 215. Latin America to 1826.
- HI 216. Latin America since 1826.
- HI 222. History of British Cultures and Societies.
- HI 263. Asian Civilizations to 1800.

**B.** One course from the Philosophy, Religion, or Visual and Performing Arts Electives List.

Recommended courses:
- REL 331. The Hindu Tradition.
- REL 332. The Buddhist Tradition.
- REL 333. Chinese Religions.

**C.** Two courses from the Psychology, Economics, Politics and Government, Sociology, Anthropology, and Cultural Geography Lists (courses must be selected from different lists).

Recommended courses:
- ANT 251. Physical Anthropology.
- ANT 253. Introduction to Prehistory.
- ANT 254. Language and Culture.
- GEO (SOC) 220. Cultural Geography.

**D.** One course from Science, Technology, and Society: Humanities and Social Sciences Perspectives list (not Science and Technology Perspectives list).

Recommended courses:
- MDS 323. World Population & Food Prospects.

**E.** One course from any of the aBOve-named Lists or from the Advanced Humanities and Social Sciences Lists.
Recommended courses:

- **ANT 310.** Native Peoples & Cultures of N. America.
- **ANT 325.** Andean South America.
- **ANT 330.** Peoples & Cultures of Africa.
- **ANT 346.** Peoples & Cultures of Southeast Asia.
- **HI 400.** Civilization of the Ancient Near East.
- **HI 403.** Ancient Greek Civilization.
- **HI 407.** Islamic History to 1798.
- **HI 419.** Modern European Imperialism.
- **MDS 240.** African Civilization.
- **REL 481.** Myth, Metaphor, and Religious Imagination.

F. One of the courses elected to fulfill the Humanities and Social Sciences Requirement must focus on a non-English speaking culture. This course may come from the Foreign Language Electives List.

**Natural Sciences and Mathematics (51 - 59 credits)**

**Group I - Take all courses (34 - 38 credits).**

- **PB 101** Perspectives on Botany 1
- **PB 102** Introduction to Research 1
- **BIO 181, 183** Introductory Biology I & II^3 4+4
- **PB 250** Plant Biology^3 4
- **CH 101** Chemistry - A Molecular Science 3
- **CH 102** Chemistry - A Molecular Science Lab 1
- **CH 220^4** Introductory Organic Chemistry OR
- **CH 221** Organic Chemistry I 4
- **GN 411** Principles of Genetics 4
- **PY 211, 212** College Physics I & II 4+4

**Group II - Research or teaching experience in one of the following (2 credits):**

- **PB 492** External Learning Experience OR
- **PB 493** Special Problems in Botany OR
- **PB 495** Special Topics in Botany OR
- **ALS 498** Honors Research or Teaching I 2

**Group III - Take one calculus course and one statistics course. (6 - 7 credits).**

- **MA 121** Elements of Calculus OR
- **MA 131** Calculus for Life & Management Sciences A OR
- **MA 141** Calculus I^5 4
- **ST 101** Statistics by Example OR
- **ST 311** Introduction to Statistics^6 3

**Group IV - Plant Biology Courses. Take 3 courses. At least one of these courses must be at 300- or 400-level. (9 - 12 credits).** A 2.0 GP is required in all Biology courses.

**Recommended courses (in bold):**

- **PB 213** Plants and Civilization 3
Special topics or Graduate (for advanced undergraduates only) Plant Biology courses may also be used.

**Electives**

Advised Electives (Selected from Groups A, B, or C)\(^8\)

**Recommended courses:**

- FOR 212. Dendrology.

Free Electives

**Recommended courses:**

- GRK (LAT) 310. Classical Mythology.

**Physical Education (2 credits)**

One credit must be for completion of a Fitness and Wellness Course

**Minimum Hours Required for Graduation**

128

Foreign language proficiency at the FL_102 level is required for graduation.

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1 One course from either the Advanced Writing Electives List, the Communications/Speech Electives List, or the Foreign Languages Electives List. ENG 333 (Communication for Science and Research) is strongly recommended.

2 Electives from lists approved by University Provost.

3 Credit cannot be earned for both PB 200 and PB 250; PB 200 may be substituted for PB 250 with permission from the Plant Biology Teaching Coordinator. BIO 125 and any 4-hour PB course with a lab may be approved as substitutes for BIO 181 and 183 by the Plant Biology Teaching Coordinator.

4 CH 220 is a one semester course in the fundamentals of organic chemistry; credit is not allowed for both CH 220 and CH 221.

5 Credit is not allowed in more than one of MA 121, 131, and 141. MA 121 is for students who only require on semester of calculus; it does not have a second semester sequence.

6 Credit is not allowed for both ST 101 and ST 311. Students interested in research are strongly encouraged to take both ST 311 and ST 501 (Experimental Statistics for...
Students are encouraged to take PB 365 concurrently.

Adviser will help students select courses that augment their career objectives.