

**Checklist for Bachelor of Science Degree in BOTANY**  
**Minimum hours for B.S. = 124 Catalog Year 2000-2001**

|                                                                                                                                            |            |                  |                                             |   |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|---------------------------------------------|---|
| <b>University Requirements: # Hrs</b>                                                                                                      |            |                  |                                             | • |
| <b>English</b><br><br><sup>a</sup> refer to footnotes for exemption rules                                                                  | <b>3</b>   | <b>ENGL 1013</b> | Composition I                               |   |
|                                                                                                                                            | <b>3</b>   | <b>ENGL 1023</b> | Composition II                              |   |
|                                                                                                                                            | <b>0-3</b> | <b>ENGL 2003</b> | Junior English                              |   |
| <b>U.S. History or Government</b>                                                                                                          | <b>3</b>   | <b>HIST 2003</b> | History of Amer. People to 1877             |   |
|                                                                                                                                            |            | <b>HIST 2013</b> | History of Amer. People 1877 to present     |   |
|                                                                                                                                            |            | <b>PLSC 2003</b> | American Nat'l Government                   |   |
| <b>College Requirements:</b>                                                                                                               |            |                  |                                             |   |
| <b>World Literature, Foreign Literature, Philosophy, &amp; Fine Arts*</b><br><br><sup>*</sup> to be selected from at least two departments | <b>9</b>   | <b>WLIT 1113</b> | World Literature I                          |   |
|                                                                                                                                            |            | <b>WLIT 1123</b> | World Literature II                         |   |
|                                                                                                                                            |            |                  | any other WLIT course                       |   |
|                                                                                                                                            |            |                  | a Foreign Language (FLAN) literature course |   |
|                                                                                                                                            |            | PHIL 2003        | Introduction to Philosophy                  |   |
|                                                                                                                                            |            | PHIL 2103        | Introduction to Ethics                      |   |
|                                                                                                                                            |            | PHIL 2203        | Logic                                       |   |
|                                                                                                                                            |            | <b>ARCH 1003</b> | Architecture Lecture                        |   |
|                                                                                                                                            |            | <b>LARC 1003</b> | Landscape Architecture                      |   |
|                                                                                                                                            |            | <b>ARHS 1003</b> | Art Lecture                                 |   |
|                                                                                                                                            |            | <b>ART 1003</b>  | Art Studio                                  |   |
|                                                                                                                                            |            | <b>COMM 1003</b> | Film Lecture                                |   |
|                                                                                                                                            |            | <b>DANC 1003</b> | Movement and Dance                          |   |
|                                                                                                                                            |            | <b>DRAM 1003</b> | Theater Lecture                             |   |

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|-----------------------------------------------------|----------|------------------------|--------------------------------|--|
|                                                     |          | <b>MLIT 1003</b>       | Music Lecture                  |  |
| Foreign Language                                    | 0-9      | ___ 1003 <sup>b</sup>  | Elementary I                   |  |
|                                                     |          | ___ 1013               | Elementary II                  |  |
|                                                     |          | ___ 2003               | Intermediate I                 |  |
| <b>Western Civilization</b>                         | <b>6</b> | <b>WCIV 1003</b>       | Western Civilization I         |  |
|                                                     |          | <b>WCIV 1013</b>       | Western Civilization II        |  |
| <b>Social Sciences</b>                              | <b>3</b> | <b>ANTH 1023</b>       | Intro to Cultural Anthropology |  |
|                                                     |          | <b>ECON 2013</b>       | Principles of Macroeconomics   |  |
|                                                     |          | <b>ECON 2143</b>       | Basis Economics                |  |
|                                                     |          | <b>GEOG 2103</b>       | Emerging Nations               |  |
|                                                     |          | <b>GEOG 2203</b>       | Developed Nations              |  |
|                                                     |          | <b>PSYC 2003</b>       | General Psychology             |  |
|                                                     |          | <b>SOCI 2013</b>       | General Sociology              |  |
| <b>Biological Sciences Department Requirements:</b> |          |                        |                                |  |
| <b>Math<sup>c</sup> &amp; Statistics</b>            | <b>4</b> | <b>MATH 2554</b>       | Calculus I                     |  |
|                                                     | <b>3</b> | <b>STAT 2023/2020L</b> | Biostatistics                  |  |
| <b>Physical Sciences<sup>d</sup></b>                | <b>4</b> | <b>CHEM 1103/1101L</b> | University Chemistry I         |  |
|                                                     | <b>4</b> | <b>CHEM 1123/1121L</b> | University Chemistry II        |  |
|                                                     | <b>4</b> | <b>CHEM 3601/3601L</b> | Organic Chemistry I            |  |
|                                                     | <b>4</b> | <b>CHEM 3613/3611L</b> | Organic Chemistry II           |  |
|                                                     | <b>3</b> | <b>CHEM 3813</b>       | Introduction to Biochemistry   |  |
|                                                     | <b>4</b> | <b>PHYS 2013/2011L</b> | College Physics I              |  |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------|---------------------------------------------|--|
|                                                                                                                                                                                 | <b>4</b>   | <b>PHYS</b><br><b>2033/2031L</b>                                                     | College Physics II                          |  |
| <b>Biological Sciences Core:</b>                                                                                                                                                |            |                                                                                      |                                             |  |
| Biological Sciences Core requirements = 18 h                                                                                                                                    | <b>4</b>   | <b>BIOL</b><br><b>1543/1541L</b>                                                     | Principles of Biology                       |  |
|                                                                                                                                                                                 | <b>3</b>   | <b>BIOL 2533</b>                                                                     | Cell Biology                                |  |
|                                                                                                                                                                                 | <b>3</b>   | <b>BIOL 3023</b>                                                                     | Evolutionary Biology                        |  |
|                                                                                                                                                                                 | <b>3</b>   | <b>BIOL 3323</b>                                                                     | General Genetics                            |  |
|                                                                                                                                                                                 | <b>3</b>   | <b>BIOL 3863</b>                                                                     | General Ecology                             |  |
|                                                                                                                                                                                 | <b>1</b>   | Laboratory requirement: a minimum of 1 hour lab from <b>BIOL 2531L/ 3321L/ 3861L</b> |                                             |  |
|                                                                                                                                                                                 | <b>1</b>   | <b>BIOL 2001</b>                                                                     | Bibliographic Practicum                     |  |
| Majors may count up to 4 hours of these 1000 level courses towards their degree:                                                                                                | <b>0-4</b> | <b>BOTY</b><br><b>1613/1611L</b>                                                     | Plant Biology                               |  |
|                                                                                                                                                                                 |            | <b>ZOOL</b><br><b>1613/1611L</b>                                                     | General Zoology                             |  |
| An additional 22 credits from the courses listed below, including at least 2 laboratory courses at the 3-4000 level:                                                            |            |                                                                                      |                                             |  |
| <b>Botany</b>                                                                                                                                                                   | <b>4</b>   | <b>BOTY</b><br><b>2404/ 2400L</b>                                                    | Survey of Plant Kingdom                     |  |
| <b>Three courses from among the following choices: including equivalent plant courses offered in other colleges ie. Bumpers College of Agriculture, Food and Life Sciences*</b> | <b>12</b>  | <b>BOTY</b><br><b>4104/ 4100L</b>                                                    | Taxonomy of Flowering Plants                |  |
|                                                                                                                                                                                 |            | <b>BOTY</b><br><b>4424/ 4420L</b>                                                    | Mycology                                    |  |
|                                                                                                                                                                                 |            | <b>BIOL</b><br><b>4724/ 4720L</b>                                                    | Protistology                                |  |
|                                                                                                                                                                                 |            | <b>AGRN*</b><br><b>HORT*</b><br><b>PLPA*</b>                                         | Agronomy<br>Horticulture<br>Plant Pathology |  |
|                                                                                                                                                                                 |            |                                                                                      |                                             |  |

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Six hours of credit in elective courses related to the biology of plants, algae, and/or fungi:

|                  |            |                            |                                 |
|------------------|------------|----------------------------|---------------------------------|
| <b>Electives</b> | <b>4</b>   | <b>BOTY<br/>4304/4300L</b> | Plant Physiology                |
|                  | <b>3</b>   | <b>BIOL 4523</b>           | Physiological Ecology of Plants |
|                  | <b>3</b>   | <b>BIOL 4503</b>           | Ecosystems Ecology              |
|                  | <b>1-6</b> | <b>BOTY 480V</b>           | Special Problems in Botany      |

Senior Writing Requirement

The Fulbright College writing requirement must be met by completion of :

- a) an Honors Thesis or
- b) a Senior Thesis (BIOL 498V) or
- c) a required term paper with a grade of B or above in a 3000-4000 level course on a topic approved by an instructor or
- d) a paper supervised by a faculty member in Special Problems (BIOL, BOTY, MBIO, or ZOO 480V).

Footnotes

<sup>a</sup> Exemption from Junior English requirement may be granted by a) grades of "A" or "B" in ENGL 1013 and "A" in ENGL 1023 when classes are taken at University of Arkansas, Fayetteville or b) passing the Junior English Exemption Exam (taken after completing 45 credit hours)

<sup>b</sup> Placement determined by number of high school language units completed or a foreign language placement exam. Credit will only be given for 1003 if taking a language not taken in high school.

<sup>c</sup> Prerequisite for MATH 2554: MATH 1203 & MATH 1213 or MATH 1285

<sup>d</sup> Prerequisite for CHEM 1013 is MATH 1203 or satisfactory performance on a math proficiency exam, prerequisite for PHYS 2013 is MATH 1203 & MATH 1213 or the equivalent such as MATH 1285.

Substitutions

Substitutions can be made for required courses when the substitution is an equal or more demanding course. Consult your advisor.