

REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN BOTANY

COLLEGE OF ARTS AND SCIENCES
THE UNIVERSITY OF OKLAHOMA

For Students Entering the Oklahoma State System for Higher Education:
Summer 2000 through Spring 2001

Minimum Credit Hours and Grade Averages Required
Credit Hours:
 Total - **124** Upper-Division Within Total - **48**
 Major - **32** Upper-Division Within Major - **24**
Grade Point Averages:
Overall: Combined OU/Transfer - **2.00** OU - **2.00**
Major: Combined OU/Transfer - **2.00** OU - **2.00**

Botany
0402B
Bachelor of Science
in Botany

GENERAL EDUCATION AND COLLEGE REQUIREMENTS	Some courses required for the major may also fulfill University General Education and/or Additional College of Arts & Sciences Requirements			
Courses graded S/U or P/NP will not apply.	MAJOR REQUIREMENTS	Hours	MAJOR SUPPORT REQUIREMENTS	Hours
<p>University-Wide General Education Requirements (minimum 40 hours)</p> <p>Core Area I: Symbolic and Oral Communication (9-19 hours, 3-5 courses) a: English Composition (6 hours, 2 courses) 1. English 1113, Principles of English Composition 2. English 1213, Principles of English Composition b: Foreign Language (0-10 hours, 2 courses in the same language). May be met by successful completion of 2 years of the same foreign language in high school. 1. Beginning Course, 0-5 hours _____ 2. Beginning Course, continued, 0-5 hours _____ c: Mathematics (3 hours, 1 course) _____</p> <p>Core Area II: Natural Science (see specific College of Arts & Sciences requirements)</p> <p>Core Area III: Social Science (6 hours, 2 courses) 1. Political Science 1113, American Federal Government and one additional course: 2. _____</p> <p>Core Area IV: Humanities (12 hours, 4 courses) a: Understanding Artistic Forms (3 hours, 1 course) _____ b: Western Civilization and Culture (6 hours, 2 courses) 1. History 1483, U.S., 1492-1865, or History 1493, U.S., 1865-Present, and one additional course: 2. _____ (excluding HIST 1483 and 1493) c: Non-Western Culture (3 hours, 1 course): _____</p> <p>Senior Capstone Experience (3 hours, 1 course): _____</p>	<p>Minimum 32 hours of major work including BOT 1114 and 24 upper-division hours selected from <u>each of the 6 areas</u> listed below. A grade of C or better must be earned in each course presented for major credit and in the required supporting courses.</p> <p>BOT/ZOO/MBIO 1005 and MBIO 2815 will not be accepted for major credit.</p> <p>1114 General Botany 4 4983 Plant Biology for the 21st Century (Senior Capstone) 3</p> <p>1. STRUCTURAL BOTANY 4283 Plant Anatomy 5264 Morph. of Vascular Plants 5293 Cytology Ultrastructure _____</p> <p>2. SYSTEMATIC BOTANY 3534 Flowering Plants</p> <p>3. GENETICS 3333 Genetics</p> <p>4. PHYSIOLOGY 4115 Princ. of Plant Physiology _____</p> <p>5. ECOLOGY 3453 Princ. of Plant Ecology ZOO 4462 Limnology _____</p> <p>6. MOLECULAR/CELL BIOLOGY 3113 Cell Biology 4812/4822 Applications of Molecular Biology 4843 Molecular Biology _____</p> <p>Botany electives to complete 32 hours required in the major. _____ _____</p>	<p>4 3 3-4 4 3 5 2-3 3-4 2-5</p>	<p>PHYS 2414 Gen. Physics for Life Science Oriented Majors 4 PHYS 2424 Gen. Physics for Life Science Oriented Majors 4 MATH 1743 (or equiv.) Calculus I 3 Five hours of Organic Chemistry including laboratory: _____ 3 _____ 2 One science course outside Botany is required. This must be at least a 3-hour letter-graded course. Students are encouraged to consider either Zoology 1114 or Microbiology 3813 to fulfill this requirement; other courses must be approved by the adviser. _____ 3-5</p>	<p>3-5</p>
<p>Additional College of Arts & Sciences College Requirements</p> <p>I. Science (7 hours, 2 courses). One of the areas must include a laboratory. 1. Biological Science _____ 2. Physical Science _____</p> <p>II. Foreign Language (0-3 hours). One course at the intermediate level or demonstrated competency at that level Intermediate Course, 3 hours _____</p> <p>III. Western Civilization (6 upper-division hours, 2 courses). Must be outside the major and in addition to University General Education Core IV 1. _____ 2. _____</p>	<p>Free Electives</p> <p>Electives to bring total applicable hours to 124 including 48 upper-division hours.</p>			

INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS

TOTAL HOURS: A minimum of 124 semester hours acceptable toward graduation must be completed.

UPPER-DIVISION HOURS: A minimum of 48 upper-division semester hours acceptable toward graduation must be completed. OU courses numbered 3000 or above are upper-division. Transfer work will be counted as lower-division or upper-division credit depending on the level at which it was offered at the institution where the work was taken. All two-year college work is considered to be lower-division.

ARTS AND SCIENCES HOURS: At least 80 semester hours of liberal arts and sciences courses are required for a BA degree. At least 55 semester hours of liberal arts and sciences courses are required for a BS degree.

MAJOR WORK: At least 30 semester hours in the major must be completed.

HOURS BY EXAM, CORRESPONDENCE STUDY AND/OR EXTENSION: A maximum of 31 semester hours (or 1/4 of the total hours required for a preprofessional program of study) may be completed by a combination of exam, correspondence study and/or extension credit.

PASS/NO PASS ENROLLMENT: A maximum of 16 semester hours of free elective credit may be attempted under this option.

INDIVIDUAL STUDIES (e.g., courses titled "Independent Study"): A maximum of 12 total semester hours may be counted toward graduation.

REPEAT OF FAILED COURSEWORK: A student earning a grade of "F" in an upper-division course at OU may not repeat the course for credit at another institution without the prior written permission of the department that offered the course at OU.

MILITARY, MILITARY IN-SERVICE, AND P.E. COURSES: A maximum of 16 semester hours total of basic skills courses; aerospace studies, military science, and naval science courses; advanced military in-service experience; and PE activity courses may be included in the minimum 124 semester hours required for graduation. No more than four of the 16 semester hours may be in PE activity courses.

SENIOR INSTITUTION HOURS: A minimum of 60 semester hours applied toward graduation must be earned at senior (4-year) institutions.

RESIDENCY:

- A minimum of 30 semester hours acceptable toward graduation must be earned in residence at OU, including at least 15 of the last 30 hours applied toward the degree.
- At least 15 semester hours of upper-division major work must be completed in residence at OU.
- OU correspondence courses are **not** considered resident credit.
- Credits earned via examination are neither resident nor nonresident credit.

GRADE POINT AVERAGES: Students must earn a minimum overall 2.00 for each of the following: Combined Retention GPA (all college grades), OU Retention GPA, GPA for all major courses, and GPA for all major courses taken at OU. Some schools and departments of the College have higher minimum grade point averages required for their students.

SPECIAL DEGREES: Students may qualify for an Honors degree (cum Laude, Magna cum Laude, or Summa cum Laude) by completing specific requirements of the Honors College. A degree will be earned with Distinction if the student completes at least 60 semester hours at OU with at least a 3.60 combined retention GPA and OU retention GPA. A degree will be earned with Special Distinction if the student completes at least 60 semester hours at OU with at least a 3.90 combined retention GPA and OU retention GPA.

APPLICATION FOR GRADUATION: Students must apply for graduation during the term in which they complete their degree requirements in order to graduate in that term. Application forms are available from the College of Arts and Sciences Academic Services, Physical Sciences Center, Room 429. The deadline for completion of all coursework to graduate in a particular term is the last day of classes in that term.

GRADUATION PLAN			
Freshman Year	Sophomore Year	Junior Year	Senior Year
			Total Hours _____ Upper-Division _____