

## MICROBIOLOGY MAJOR WORKSHEET

Name of Student \_\_\_\_\_ Student # \_\_\_\_\_

Date of First Enrollment-U of A \_\_\_\_\_ Anticipated Graduation Date \_\_\_\_\_

**Microbiology Major;** must total 44 or 38 hrs. in Biological Sciences depending on options for Biochemistry.

### Required Courses

Courses	Hrs.		Semester	Grade
BSC 114 & 115 (3+1) or BSC 118	4		_____	___/___
BSC 116 & 117 (3+1) or BSC 120	4		_____	___/___
BSC 310 (Microbiology)	5	All Semesters	_____	_____
BSC 311 (Bacteriology)	3	Fall (except 2009)	_____	_____
BSC 313 (Bacteriology Lab)	3	Fall	_____	_____
BSC 450 (CH461)	3	All Semesters	_____	_____
BSC 451 (CH462)	3	Spring Only	_____	_____
BSC 439 (Mol. Biol. Lab) (CH463)	3	Spring Only	_____	_____

**Additional courses** from the following to total at least 44 hrs in BSC = 16 more hrs , or if take CH 461 and 462 for biochemistry, student will need only 38 Hrs in BSC = 16 more hrs. Must include 2 laboratories.

Sem	Grade	Course	Hrs	Title	Comments
_____	_____	BSC 391	1-2	Tutorial	Must have faculty sponsor approval
_____	_____	BSC 397/398	1-4	Undergrad Research	Must have faculty sponsor approval,
_____	_____			Additional 4 hrs can be taken as hrs for graduation but will not count for major	
_____	_____				
_____	_____	BSC 431	3	Pathogenic	Even Spring
_____	_____	BSC 432	3	Pathogenic Lab (W)	Odd Spring
_____	_____	BSC 433	3	Microbial Diversity (W)	Odd Spring
_____	_____	BSC 435	4	Immunology	Fall
_____	_____	BSC 436	3	Immunology Lab (W)	Even Spring
_____	_____	BSC 444	3	Virology	Fall
_____	_____	BSC 456	3	Microb Ecology	Even Fall
_____	_____	BSC 457	2	Microb Ecology Lab	Irregularly
_____	_____	BSC 472	3	Mycology (lab) (W)	Fall
_____	_____	BSC 464	4	Biology of Algae (lab) (W)	Spring
_____	_____	BSC 496	3	Bioremediation	Fall (need course sub form until new catalog)
_____	_____	BSC 497	1-4	Special Topics	Must have faculty sponsor approval

### Chemistry (19 hrs. required):

Course	Sem	Grade	Hrs.	Course	Semester	Grade	Hrs.
CH 101 /117	_____	_____	4	CH 231	_____	_____	3
CH 102 /118	_____	_____	4	CH 232	_____	_____	3
CH 223	_____	_____	3	CH 237	_____	_____	2

### Freshman Composition:

Course	Sem	Grade	Hrs.		Course	Sem	Grade	Hrs.
EN 101/104	_____	_____	3	or	EN 103/104	_____	_____	6
EN 102	_____	_____	3		ACT 30 or SAT verbal 720: pass, if not A			

**Mathematics** (MATH 125 required):

<u>Course</u>	<u>Sem</u>	<u>Grade</u>	<u>Hrs.</u>		<u>Course</u>	<u>Sem</u>	<u>Grade</u>	<u>Hrs.</u>
MATH 100	___	___	3		MATH 112	___	___	3
MATH 112	___	___	3	OR	MATH 113	___	___	3
MATH 113	___	___	3		MATH 125	___	___	4
MATH 125	___	___	4					
<u>Course</u>	<u>Sem</u>	<u>Grade</u>	<u>Hrs.</u>		<u>Course</u>	<u>Sem</u>	<u>Grade</u>	<u>Hrs.</u>
MATH 115	___	___	3		MATH 125 or 145	___	___	4
MATH 125	___	___	4	OR				

**Physics:**

<u>Course</u>	<u>Hrs.</u>	<u>Semester</u>	<u>Grade</u>
PH 101 or 105 or 125	4	_____	_____
PH 102 or 106 or 126	4	_____	_____

**Fine Arts (FA)** (3 hrs.) Course: \_\_\_\_\_ Sem: \_\_\_\_\_ Grade: \_\_\_\_\_ Hrs: \_\_\_\_\_

**Must Complete Option 1 OR Option 2, but fill in both columns until one of them is complete**

**Option 1 (with Literature Sequence)**

a. 2-course Literature (L) Sequence (6 hrs.)

<u>Course</u>	<u>Sem</u>	<u>Grade</u>
_____	___	___
_____	___	___

b. 1 History (HI) course (3 hrs.)

<u>Course</u>	<u>Sem</u>	<u>Grade</u>
_____	___	___

c. 1 course from Fine Arts (FA) or Humanities (HU) (3 hrs.)

<u>Course</u>	<u>Sem</u>	<u>Grade</u>
_____	___	___

d. 3 courses from History (HI) or Social Behavioral Science (SB) (9 hrs.)

<u>Course</u>	<u>Sem</u>	<u>Grade</u>
_____	___	___
_____	___	___
_____	___	___

**Option 2 (with History Sequence)**

a. 2-course History (HI) Sequence (6 hrs.)

<u>Course</u>	<u>Sem</u>	<u>Grade</u>
_____	___	___
_____	___	___

b. 1 Literature (L) course (3 hrs.)

<u>Course</u>	<u>Sem</u>	<u>Grade</u>
_____	___	___

c. 2 courses from History (HI) or Social Behavioral Science (SB) (6 hrs.)

<u>Course</u>	<u>Sem</u>	<u>Grade</u>
_____	___	___
_____	___	___

d. 2 courses from Fine Arts (FA), Literature (L) or Humanities (HU) (6 hrs.)

<u>Course</u>	<u>Sem</u>	<u>Grade</u>
_____	___	___
_____	___	___

**NO MORE THAN 6 HOURS IN ANY ONE DEPARTMENT MAY BE APPLIED TO THE HUMANITIES, LITERATURE, AND FINE ARTS (HU, L, FA) AND HISTORY AND SOCIAL AND BEHAVIORAL SCIENCES (HI, SB) REQUIREMENTS.**

**Foreign Language/Computer Sciences** (6 hrs of foreign language or 6 hrs of approved Computer Sciences [plus 3 hrs prerequisites] required):

<u>Course</u>	<u>Sem</u>	<u>Hrs.</u>	<u>Grade</u>	<u>Course</u>	<u>Sem</u>	<u>Hrs.</u>	<u>Grade</u>	<u>Course</u>	<u>Sem</u>	<u>Hrs.</u>	<u>Grade</u>
_____	___	___	___	_____	___	___	___	_____	___	___	___

**W Courses** (6 hrs required - W courses 300 or 400 level from Biological Sciences preferred)

<u>Course</u>	<u>Sem</u>	<u>Hrs.</u>	<u>Course</u>	<u>Sem</u>	<u>Hrs.</u>
_____	_____	_____	_____	_____	_____

**Other Requirements to check:**

\_\_\_\_\_ 90 hrs of A&S classes

\_\_\_\_\_ 36 hrs of 300 or 400 level classes

\_\_\_\_\_ No more than 4 hrs of HPL may count for the 120 hrs for degree

\_\_\_\_\_ No more than 42 hrs in any department may count for the 120 hrs for the degree. Additional hours may be used to meet other requirements such as GPA or 36-hrs at 300 or 400.

\_\_\_\_\_ GPA of at least 2.0 in major

\_\_\_\_\_ GPA of at least 2.0 in all classes at the university.

**STUDENTS MUST CHECK PROGRESS TO DEGREE ON DEGREE WORKS.**

**ALL JUNIORS SHOULD CONTACT 200 CLARK FOR GRADUATION AUDIT.**

**SENIORS MUST BRING THEIR JUNIOR AUDIT WITH THEM FOR THEIR ADVISING CONFERENCE  
(AUDITS ARE NOT DONE DURING THE ADVISING PERIOD, SO PLEASE PLAN  
APPROPRIATELY)**