

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)**