B.S. BREADTH REQUIREMENTS				
Course Name	Units	Quarter	Grade	
ENGLISH (12 unit	ts)			
ENGL 1A	4			
ENGL 1B	4			
ENGL 1C	4			
HUMANITIES (12	units)			
One (1) 4-unit course j	from any of: V	Vorld History	10, 15 or 20	
	4			
One (1) 4-unit course i	in Fine Arts, L	it, Phil, or Rel	Studies	
	4			
One (1) additional 4-u	nit humanities	course		
	4			
SOCIAL SCIENCI	ES (12 Units)			
One (1) 4-unit course j	from either of:	Economics, F	Political Science	
	4			
One (1) 4-unit course of	any of: Anthro	pology, Psych	ology, Sociolog	
	4			
One (1) additional 4-u	nit social scier	ce course		
	4			
ETHNIC STUDIES				
ETHNIC STUDIES One (1) 4-unit Ethnic	S .	(can be used	to satisfy	
	S Studies <i>course</i>		to satisfy	
One (1) 4-unit Ethnic	S Studies <i>course</i>		to satisfy	
One (1) 4-unit Ethnic	Studies course or social scienc 4	e area)	to satisfy	
One (1) 4-unit Ethnic additional humanites o	Studies course or social scienc 4	e area)	to satisfy Grade	
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN	S Studies course or social scienc 4 MENTS (72-7	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name	S Studies course or social scienc 4 MENTS (72-7 Units	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREM Course Name MATH 7A	S Studies course or social scienc 4 MENTS (72-7 Units 4	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B	S Studies course or social scienc 4 MENTS (72-7 Units 4 4 4	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B STAT 100A or 100B*	S Studies course or social science 4 MENTS (72-7 Units 4 4 5	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B STAT 100A or 100B* CHEM 1A, 1LA	S Studies course or social scienc 4 MENTS (72-7 Units 4 4 5 5 5	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B STAT 100A or 100B* CHEM 1A, 1LA CHEM 1B, 1LB	S Studies course or social scienc 4 MENTS (72-7 Units 4 4 5 5 5 5	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B STAT 100A or 100B* CHEM 1A, 1LA CHEM 1B, 1LB CHEM 1C, 1LC	S Studies course or social science 4 MENTS (72-7 Units 4 4 5 5 5 5 5 5	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B STAT 100A or 100B* CHEM 1A, 1LA CHEM 1B, 1LB CHEM 1C, 1LC BIOL 5A	S Studies course or social science 4 MENTS (72-7 Units 4 4 5 5 5 5 5 4	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B STAT 100A or 100B* CHEM 1A, 1LA CHEM 1B, 1LB CHEM 1B, 1LB CHEM 1C, 1LC BIOL 5A BIOL 5LA or 20	S Studies course or social science 4 MENTS (72-7 Units 4 4 4 5 5 5 5 4 1-2	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B STAT 100A or 100B* CHEM 1A, 1LA CHEM 1B, 1LB CHEM 1B, 1LB CHEM 1C, 1LC BIOL 5A BIOL 5A BIOL 5A BIOL 5B BIOL 5C	S Studies course or social science 4 MENTS (72-7 Units 4 4 5 5 5 4 1-2 4	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B STAT 100A or 100B* CHEM 1A, 1LA CHEM 1B, 1LB CHEM 1B, 1LB CHEM 1C, 1LC BIOL 5A BIOL 5A BIOL 5LA or 20 BIOL 5B BIOL 5C CHEM 8A, 8LA	S Studies course or social science 4 MENTS (72-7 Units 4 4 5 5 5 5 4 1-2 4 4 4	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B STAT 100A or 100B* CHEM 1A, 1LA CHEM 1B, 1LB CHEM 1C, 1LC BIOL 5A BIOL 5A BIOL 5B BIOL 5B BIOL 5C CHEM 8A, 8LA CHEM 8B, 8LB	S Studies course or social science 4 MENTS (72-7 Units 4 4 5 5 5 5 4 1-2 4 4 4 4 4 4 4 4 4 4 4 4 4	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B STAT 100A or 100B* CHEM 1A, 1LA CHEM 1B, 1LB CHEM 1B, 1LB CHEM 1C, 1LC BIOL 5A BIOL 5A BIOL 5LA or 20 BIOL 5B BIOL 5C CHEM 8A, 8LA CHEM 8B, 8LB CHEM 8C, 8LC	S Studies course or social science 4 MENTS (72-7) Units 4 5 5 5 5 5 4	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B STAT 100A or 100B* CHEM 1A, 1LA CHEM 1B, 1LB CHEM 1C, 1LC BIOL 5A BIOL 5A BIOL 5A BIOL 5LA or 20 BIOL 5B BIOL 5C CHEM 8A, 8LA CHEM 8A, 8LA CHEM 8B, 8LB CHEM 8C, 8LC PHYS 2A, 2LA	S Studies course or social science 4 MENTS (72-7 Units 4 4 4 5 5 5 5 4 1-2 4 4 4 4 4 4 4 4 4 4 5 5 5 5 5 4 1-2 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	e area) 7 units)		
One (1) 4-unit Ethnic additional humanites of CORE REQUIREN Course Name MATH 7A MATH 7B STAT 100A or 100B* CHEM 1A, 1LA CHEM 1B, 1LB CHEM 1B, 1LB CHEM 1C, 1LC BIOL 5A BIOL 5A BIOL 5LA or 20 BIOL 5B BIOL 5C CHEM 8A, 8LA CHEM 8B, 8LB CHEM 8C, 8LC	S Studies course or social science 4 MENTS (72-7) Units 4 5 5 5 5 5 4	e area) 7 units)		

*Students with credit for STAT 48 must take STAT 100B instead of STAT 100A to fulfill this requirement

Microbiology - Bachelor of Science (MCBL) Summary Sheet

Name: ______ SID: _____

Catalog Requirements Fall 2019:

http://www.catalog.ucr.edu

For a list of approved Breadth courses:

https://cnasstudent.ucr.edu/files/Breadth.pdf

UPPER DIVISION REQUIREMENTS (37 units)					
Course Name	Units	Quarter	Grade		
a) Major Core (19 units)					
BIOL 102	4				
BIOL 107A	4				
MCBL/BIOL 121	4				
MCBL/BIOL 121L	3				
MCBL 125	4				
b) Major Electives (18	units)				
MCBL 124/BIOL 124, MCBL 126, MCBL 127, MCBL 128, MCBL 197**, PLPA 134/BIOL 134, MCBL139/ENTM139					
Total Major Elective Units:	10	maguinad			
Total Major Elective Units: 18 required c) Other Requirements** (16 units)					
BCH 162, BIOL 107B, BIOL 119, ENSC 133/MCBL 133, MCBL 190***, MCBL 198-I***					
Total Other Units: 16 required					

** Major Elective units in excess of 18 may also be applied to Other Requirements

***No more than 4 units of MCBL 197 and 190 units can be applied to the upper division requirements unless approved by the Microbiology Steering Committee

****No more than 4 units can be applied to other requirements unless approved by the Microbiology Steering Committee

THIS WORKSHEET DOES NOT REPLACE THE UCR CATALOG OR MEETING WITH YOUR ACADEMIC ADVISOR