

CALIFORNIA STATE UNIVERSITY, LOS ANGELES
**PROGRAM FOR THE BACHELOR OF SCIENCE DEGREE
 IN MICROBIOLOGY**

Name _____ Phone _____ CIN _____
Last First Middle (Area Code)

Address _____
Street City ZIP Code

<i>Course Number, Title, Units</i>	<i>Equivalent Course</i>	<i>Institution where Completed; (Quarter taken)</i>	<i>Quarter Units</i>	<i>Grade</i>
REQUIRED COURSES (103 units)				
BIOL 100A Introductory Biology I (5)				
BIOL 100B Introductory Biology II (5)				
BIOL 300 Biometrics (4)				
BIOL 320 Writing for Biologists (4)				
CHEM 101 General Chemistry I (5)				
CHEM 102 General Chemistry II (5)				
CHEM 103 General Chemistry III (5)				
CHEM 201 Quantitative Analysis (5)				
CHEM 301A Organic Chemistry (3)				
CHEM 301B Organic Chemistry (3)				
CHEM 301C Organic Chemistry (3)				
CHEM 302A Organic Chemistry Lab (2)				
CHEM 302B Organic Chemistry Lab (2)				
CHEM 431A Biochemistry (3)				
CHEM 431B Biochemistry (3)				
CHEM 431C Biochemistry (3)				
CHEM 432A Biochemistry Lab (2)				
MATH 204 Applied Calculus I (4)				
MICR 300 General Microbiology (5)				
MICR 301 General Medical Microbiology (4)				
MICR 302 Pathogenic Bacteriology (5)				
MICR 304 Immunology and Serology (5)				
MICR 331 Structure & Function of Bacteria (3)				
MICR 340 Microbial Genetics (3)				
PHYS 101 Physics (4)				
PHYS 102 Physics (4)				
PHYS 103 Physics (4)				
ELECTIVE COURSES FOR MICROBIOLOGY (17 units) - Get advisor approval & copy of Department approved list				

Student Signature & Date _____ Advisor Signature & Date _____

Career Goal _____ Expected Graduation _____

GET MAJOR Catalog Year _____

(Total Units in NSS-BS-MICR Major = 120 units as of 05/2011)

GRADUATION CHECKLIST OF DEGREE REQUIREMENTS

GE CATALOG YEAR _____

Total Units required for Bachelor of Science Degree in **MICROBIOLOGY** **186 units**
Maximum Community College Transfer Units applied to Degree 105 units
Maximum Correspondence or Extension or Open University Units applied to Degree 36 units

Total Units required in Major **120 units**

General Education Units required for Degree **60 units**
[Excludes 12 units double counted for major & GE Requirements – (MATH 204 + BIOL 100A + CHEM 101 or PHYS 101)]
Minimum Upper Division GE Units Required for Degree 12 units

Other University Requirements

English Placement Test or Exemption
Entry Level Mathematics Test or Exemption
ENGL 102 - Written Composition II with grade of C or better **4 units**
Graduation Writing Assessment Requirement (WPE - UNIV 400 or 401 - Must past before obtaining 135 units)
Introduction to Higher ED Requirement (also fulfills GE BLOCK E)
Minimum Upper Division Units for Degree 60 units

Residence Requirements (Units taken at Cal State LA) 45 units
Upper Division Units in Residence 36 units
Major Units in Residence 18 units
General Education Units in Residence 12 units

Grade Point Average Requirements

Minimum overall GPA of 2.000 in the 120 units required for major
Minimum overall GPA of 2.000 in all college work attempted
Minimum overall GPA of 2.000 in all courses attempted at Cal State LA
Minimum overall GPA of 2.000 in all general education courses
Grades of C or better in: [ALL GE BASIC SUBJECTS - BLOCK A + ENGL 102 + BIOL 100AB + BIOL 320]

Free Electives [Units needed after completing all MAJOR & GE & ENGL 102] **2 units**