BACHELOR OF SCIENCE DEGREE IN MOLECULAR AND CELLULAR BIOLOGY

NAME _______________________________________ SID # __________________________________

CATALOG YEAR 2016-2017           EXPECTED GRADUATION DATE _______________________

GENERAL EDUCATION REQUIREMENTS

English Composition
ENGL 101, 103H, or 107 .................................................. 3 ___
ENGL 102, 104H, or 108 ................................................... 3 ___
ENGL 109H ...................................................................... 3 ___

Second Language
2nd semester proficiency by credit or exam required. ___

Mathematics
Requirement satisfied by MCB foundation courses.

Individuals and Societies (3 courses)
Tier One ___ 150 A, B, or C ........................................... 3 ___
Tier One ___ 150 A, B, or C ........................................... 3 ___
Tier Two Individuals & Societies course ................................ 3 ___

Traditions and Cultures / Humanities (3 courses)
Tier One ____ 160 A, B, C, or D ....................................... 3 ___
Tier One ____ 160 A, B, C, or D ....................................... 3 ___
Tier Two Humanities course ........................................... 3 ___

Tier Two Arts (3 units total)
____________________________________________________________________ 3 ___

Natural Sciences (NATS)
Requirement satisfied by MCB major course work.

Diversity Emphasis Course
(Gender/Race/Class/Ethnicity/Non Western)
One undergraduate course must be taken from the GRCENW list; certain Tier One and Tier Two courses can also be used to meet this requirement ...

MCB FOUNDATION COURSES

Chemistry (General & Organic Chemistry, with labs)
CHEM 151 (F, S, SS) or CHEM 105A/106A .......... 4 ___
CHEM 152 (F, S, SS) or CHEM 105B/106B .......... 4 ___
CHEM 241A & 243A (F, S, SS) ..................... 3 ___ 1 ___
CHEM 241B & 243B (F, S, SS) ..................... 3 ___ 1 ___
* Calculated into major GPA

Mathematics (Calculus I, & Calculus II or Biostatistics)
MATH 122A/B OR 125 (F, S, SS) ............................... 3-5 ___
MATH 129 OR MATH 263 (F, S, SS) ...................... 3 ___

Physics (Introductory Physics)
PHYS 102/181 & 103/182 (F, S, SS) .................. 3 ___ 1 ___ 3 ___ 1 ___
OR PHYS 140, 143, & 240 ...................................... 3 ___ 2 ___ 3 ___
OR PHYS 141 & 241 (F, S) ................................. 4 ___ 4 ___

MCB MAJOR (35 Units Minimum)

Core Requirements (23 units)
MCB 181R - Introductory Biology I (F, S) .................. 3 ___
MCB 181L - Introductory Biology I Lab (F, S) ........... 1 ___
ECOL 182R - Introductory Biology II (F, S) .......... 3 ___
ECOL 182L - Introductory Biology II Lab (F, S) ........ 1 ___
MCB 301 - Molecular Basis of Life (S) .................... 4 ___
MCB 304 - Molecular Genetics (F) .......................... 4 ___
MCB 305 - Cell & Developmental Biology (S) ........... 4 ___
BIOC 385 - Metabolic Biochemistry (F, S)** .......... 3 ___

** The combination of BIOC 462a and BIOC 462b is an approved option.

MCB Upper Division Elective Courses (12 units minimum):

Beyond the requirements above, students must take a minimum of 12 additional MCB upper division units, meeting the Core Elective, Lab/Research, and Writing-Emphasis requirements. See the MCB Upper Division Electives Guide for a list of MCB upper division electives and the requirements they meet.

Course          Units
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

Core Elective Requirement: ☐
Lab/Research Requirement: ☐
Writing-Emphasis Requirement: ☐

UNIVERSITY REQUIREMENTS:
120 total units ☐ 42 upper division units ☐
2.000+ cum GPA ☐ 2.000+ major GPA ☐
MCWA complete ____ Final 18 of 30 units complete ____
30+ total units at UA ____ 18+ MCB units at UA ____
<60 correspondence/UA exam units ____

MOLECULAR AND CELLULAR BIOLOGY: 2016 – 2017 CATALOG YEAR
JANUARY 4, 2018