BACHELOR OF SCIENCE DEGREE IN MOLECULAR AND CELLULAR BIOLOGY

NAME _______________________________________ SID # __________________________________

CATALOG YEAR 2017-2018           EXPECTED GRADUATION DATE ____________________________________

GENERAL EDUCATION REQUIREMENTS

English Composition
ENGL 101 or 107 ............................................................. 3 ___
ENGL 102 or 108 ............................................................. 3 ___
Or
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)

Natural Sciences (NATS)
Requirement satisfied by MCB foundation courses.

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 (F) ......4 ___
CHEM 152 (F, S, SS) OR CHEM 105B/106B (S) ......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 OR 141 OR 161H (F, S, SS) ............3 ___ 1___ or 4 ___
PHYS 103/182 OR 241 OR 261H (F, S, SS) ............3 ___ 1___ or 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 ___

* MCB 301, MCB 304, and MCB 305 must be taken in sequence.
** 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 elective units, meeting the Core Elective, Lab/Research, and Writing-Emphasis requirements. See the MCB Upper Division Elective 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 ___