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)

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

Diversity Emphasis Course
(1 Credit hour required; 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/105A ............4 ___
CHEM 152 (F, S, SS) or CHEM 105B/105B ............4 ___
CHEM 241A & 243A (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 ___

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 .........................4 ___
MCB 304 - Molecular Genetics ..................................4 ___
MCB 305 - Cell & Developmental Biology .............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.

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

November 12, 2015