

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)

_____ 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 GRGENW 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 _____