BACHELOR OF SCIENCE DEGREE IN MICROBIOLOGY

This checklist is intended as a guide and is not an official document.

NAME ________________________________________                  SID # ____________________ DATE: ______________

GENERAL REQUIREMENTS

Mathematics Requirement: (3-5 Units)
Complete one of the following:
- MATH 113 – Elements of Calculus            3____
- MATH 122A/B – Functions of Calculus /First-Semester Calculus 5____
- MATH 125 – Calculus I                    3____

Composition Requirements: (3-6 Units)
ENGL 101 – Freshman Composition    3____
ENGL 102 – Freshman Composition    3____
or
ENGL 109H – Advanced First Year Composition     3____

Second Language Requirements: (0-8 Units)
Complete one of the following:
- Pass a language proficiency exam at 2nd semester level       ____
- Complete courses through 2nd semester proficiency            ____

General Education Requirements: (21-24 Units)
Tier I Individuals and Societies
__________________________150 A, B, C or D  3____
__________________________150 A, B, C or D  3____
Tier I Tradition and Cultures
__________________________160 A, B, C or D  3____
__________________________160 A, B, C or D  3____
Tier II Individuals & Societies
                             3____
Tier II Humanities         3____
Tier II Arts               3____
Diversity Emphasis Course  3____

Note: Certain Tier I and Tier II courses can also be used to meet this requirement

**Tier I and II Natural Sciences Requirement is satisfied by MICRO major coursework.

UNIVERSITY REQUIREMENTS:
_____ out of 120 units (Need: ______)  
_____ out of 42 upper division units (Need: ______)  
_____ out of 56 4-year institution units (Need: ______)  
Mid-Career Writing Assessment Complete? ____
Cumulative GPA: ______________
MICRO Major GPA: ______________

For more information, please contact:
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(520) 621-3058

SUPPORTING COURSEWORK (46-47 Units)

MCB 181R – Introductory Biology I        3____
MCB 181L – Introductory Biology I Lab   1____
ECOL 182R – Introductory Biology II     3____
ECOL 182L – Introductory Biology II Lab 1____
MIC 285R – Principles of Microbiology (SP only)  4____
MIC 285L – Principles of Microbiology Lab (SP only)  1____
CHEM 151 – General Chemistry I         4____
CHEM 152 – General Chemistry II        4____
CHEM 241A – Organic Chemistry I        3____
CHEM 243A – Organic Chemistry I Lab    1____
CHEM 241B – Organic Chemistry II       3____
CHEM 243B – Organic Chemistry II Lab   1____
BIOC 384 – Foundations in Biochemistry 3____

Communication: Complete one of the following:
- COMM 101 – Introduction to the Study of Communication        3____
- COMM 119 – Public Speaking                                        3____
- ALC 422 – Communicating Knowledge in Agriculture and Life Sciences (F only) 3____
- PHYS 102 – Introductory Physics I                                 3____
- PHYS 181 – Introductory Physics I Lab                            1____
- PHYS 103 – Introductory Physics II                               3____
- PHYS 182 – Introductory Physics II Lab                           1____

Statistics: Complete one of the following:
- SBS 200 – Introduction to Statistics for the Social Sciences 3____
- PSY 230 – Psychological Measurements and Statistics 3____
- AREC 239 – Introduction to Statistics and Data Analysis 4____
- MATH 263 – Introduction to Statistics and Biostatistics 3____

MAJOR CORE COURSEWORK (28-29 Units)

MIC 328R – Microbial Physiology (SP only) 3____
MIC 419 – Immunology (Fall only)          4____
MIC 421B – Microbial Techniques (Fall only) 5____
MIC 428R – Microbial Genetics (SP only)   3____
MIC 428L – Microbial Genetics (SP only)   2____

Molecular Requirement- Complete one of the following:
- BIOC 385 – Metabolic Biochemistry 3____
- MCB 410 – Cell Biology (SP only) 3____
- MCB 473 – Recombinant DNA Methods and Applications (SP only) 4____

MIC Electives _____ out of 8 units
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CATALOG YEAR 2019