

BACHELOR OF SCIENCE DEGREE IN FOOD SAFETY

CATALOG YEAR 2018

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

Credit Type – EN=Enrollment at UA, IP=In Progress, TR=Transfer Credit, TE=Test Credit

NAME _____

SID # _____

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:

- a. Pass a language proficiency exam at 2nd semester level _____
- b. Complete courses through 2nd semester proficiency _____

General Education Requirements:

Tier I Individuals and Societies (21-24 Units)

_____150 A, B, or C 3____

_____150 A, B, or C 3____

Tier I Tradition and Cultures

_____160 A, B, or C 3____

_____160 A, B, or C 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 45 upper division units (Need: _____)

_____ out of 56 4-year institution units (Need: _____)

Mid-Career Writing Assessment Complete? _____

Cumulative GPA: _____

Major GPA: _____

For more information, please contact:

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SUPPORTING COURSEWORK (45-46 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____

Microbiology- Complete one of the following:

MIC 285R – Principles of Microbiology (SP only)	4____
MIC 285L – Principles of Microbiology Lab (SP only)	1____
OR	
MIC 205A – General Microbiology	3____
MIC 205L – General Microbiology Lab	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____
AGTM 422 – Communicating Knowledge in Agriculture and Life Sciences	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:

MATH 263 – Introduction to Statistics and Biostatistics	3____
PSY 230 – Psychological Measurements and Statistics	3____
ISTA 116 – Statistical Foundations for the Information Age	3____
SBS 200 – Introduction to Statistics for the Social Sciences	3____

MAJOR CORE COURSEWORK (36 Units)

ACBS 3XX - Food Processing (SP only) 3____

NSC 353 - Fundamentals of Food Science & Safety 3____

NSC 351L - Food Studies Lab 1____

ACBS 380R - Food Safety & Microbiology (F only) 3____

ACBS 380L - Food Safety & Microbiology Lab (F only) 1____

EPID 479 -Infections & Epidemics (SP only) 3____

ACBS 377 - Food Toxicology (F only) 3____

ACBS 437 Food Safety Laws & Legal Policies (F only) 3____

ACBS 420 - Meat Animal Composition (SP only) 3____

MIC 430 - Food Microbiology and Biotechnology (SP only) 3____

MIC 430L - Food Microbiology and Biotechnology Lab (SP only) 2____

ACBS Electives _____ out of 8

FOOD SAFETY ELECTIVE COURSEWORK

*Up to 3 units of Independent Study (ACBS 399/499), Directed Research (ACBS 492), Internship (ACBS 493), or Preceptorship (ACBS 491) can be counted as elective units

Fall Semester

PLP/MIC 427R General Mycology (3)
ENVS/MIC 425 Environmental Microbiology (3)
ENVS/MIC 426 Environmental Micro Lab (2)
MIC 438 Ecology of Infectious Diseases (3)
MIC 419 General Immunology Concepts (4)
MIC 420 Pathogenic Bacteriology (3)
MIC 452 Antibiotics: A Microbial Perspective (3)
MIC 329A Microbial Diversity (3)
PLP 305 Introductory Plant Pathology (3)
ENTO 468 Insect Pest Management (3)

Spring Semester

PLP 428R Microbial Genetics (3)
PLS 467 Fresh Produce Safety (3)
MIC 454 Host Pathogen Interactions (3)
CPH 479 Infections and Epidemics (3)
CPH 376 Introduction to Biostatistics (3)
ACBS 317 One Health: A Microbial Perspective (3)
CPH 309 Introduction to Epidemiology (3)
CPH 418 Introduction to Health Risk Assessment (3)
ENTO 446 Insect Pathogens: Biocontrol Agents and Biological Models (3)