BACHELOR OF SCIENCE DEGREE IN FOOD SAFETY

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.

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____

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

For more information, please contact:
Dari Trujillo, kdtrujil@email.arizona.edu
(520) 621- 3058
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

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<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>PLP/MIC 427R General Mycology (3)</td>
<td>PLP 428R Microbial Genetics (3)</td>
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<tr>
<td>ENVS/MIC 425 Environmental Microbiology (3)</td>
<td>PLS 467 Fresh Produce Safety (3)</td>
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<td>ENVS/MIC 426 Environmental Micro Lab (2)</td>
<td>MIC 454 Host Pathogen Interactions (3)</td>
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<td>MIC 438 Ecology of Infectious Diseases (3)</td>
<td>CPH 479 Infections and Epidemics (3)</td>
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<td>MIC 419 General Immunology Concepts (4)</td>
<td>CPH 376 Introduction to Biostatistics (3)</td>
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<td>MIC 420 Pathogenic Bacteriology (3)</td>
<td>ACBS 317 One Health: A Microbial Perspective (3)</td>
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<tr>
<td>MIC 452 Antibiotics: A Microbial Perspective (3)</td>
<td>CHP 309 Introduction to Epidemiology (3)</td>
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<td>MIC 329A Microbial Diversity (3)</td>
<td>CPH 418 Introduction to Health Risk Assessment (3)</td>
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<td>PLP 305 Introductory Plant Pathology (3)</td>
<td>ENTO 446 Insect Pathogens: Biocontrol Agents and</td>
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<td>ENTO 468 Insect Pest Management (3)</td>
<td>Biological Models (3)</td>
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