## Food Science: Food Safety, BSAG

Requirements for Students Matriculating in or before Academic Year 2018-2019. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum Overall Grade Point Average: 2.00  
Total Hours: 120

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td>3</td>
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<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
<td>3</td>
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<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1103</td>
<td>Survey of American History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1483</td>
<td>American History to 1865</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1493</td>
<td>American History Since 1865</td>
<td>3</td>
</tr>
<tr>
<td>POLS 1113</td>
<td>American Government</td>
<td>3</td>
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<tr>
<td>MATH 1513</td>
<td>College Algebra (A)</td>
<td>3</td>
</tr>
<tr>
<td>or STAT 2013</td>
<td>Elementary Statistics (A)</td>
<td>3</td>
</tr>
<tr>
<td>or STAT 2023</td>
<td>Elementary Statistics for Business and Economics (A)</td>
<td>3</td>
</tr>
<tr>
<td>AGCM 3103</td>
<td>Written Communications in Agricultural Sciences and Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 3323</td>
<td>Technical Writing</td>
<td>3</td>
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<tr>
<td>AGCM 3203</td>
<td>Oral Communications in Agricultural Sciences &amp; Natural Resources (S)</td>
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</tr>
<tr>
<td>SPCH 2713</td>
<td>Introduction to Speech Communication (S)</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 3733</td>
<td>Elements of Persuasion (S)</td>
<td>3</td>
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<tr>
<td>AGEC 3713</td>
<td>Agricultural Law</td>
<td>3</td>
</tr>
<tr>
<td>AGEC 3703</td>
<td>Issues in Agricultural Policy</td>
<td>3</td>
</tr>
<tr>
<td>LSB 3213</td>
<td>Legal and Regulatory Environment of Business</td>
<td>3</td>
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### General Education Requirements

#### English Composition

See Academic Regulation 3.5 (http://catalog.okstate.edu/university-academic-regulations/#english-composition)

- ENGL 1113 Composition I  
- or ENGL 1313 Critical Analysis and Writing I

#### Analytical & Quantitative Thought (A)

- MATH 1513 College Algebra (A)
- STAT 2013 Elementary Statistics (A)
- or STAT 2023 Elementary Statistics for Business and Economics (A)

#### Humanities (H)

Courses designated (H)  
Must include one Laboratory Science (L) course  
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Must include one Laboratory Science (L) course  
BIOL 1114 Introductory Biology (LN)

Any course designated (N)  
Social & Behavioral Sciences (S)

- AGEC 1113 Introduction to Agricultural Economics (S)

### Additional General Education

Courses designated (A), (H), (N), or (S)  
Hours Subtotal  

### Diversity (D) & International Dimension (I)

May be completed in any part of the degree plan  
Select at least one Diversity (D) course  
Select at least one International Dimension (I) course

### College/Departmental Requirements

#### Agricultural Sciences and Natural Resources

- AG 1011 First Year Seminar  
- ANSI 2111 Animal and Food Science Professional Development

FDSC 1133 Fundamentals of Food Science  
FDSC 2233 The Meat We Eat  
or FDSC 2253 Meat Animal and Carcass Evaluation  
CHEM 1314 Chemistry I (LN)  
CHEM 1515 Chemistry II (LN)  
MICR 2123 Introduction to Microbiology  
MICR 2132 Introduction to Microbiology Laboratory  
BIOL 2344 Chemistry and Applications of Biomolecules  
or ENV 1113 Elements of Environmental Science

### Written and Oral Communications

- AGCM 3103 Written Communications in Agricultural Sciences and Natural Resources  
- or ENGL 3323 Technical Writing  
- AGCM 3203 Oral Communications in Agricultural Sciences & Natural Resources (S)  
- SPCH 2713 Introduction to Speech Communication (S)  
- SPCH 3733 Elements of Persuasion (S)

### Hours Subtotal 31

### Major Requirements

#### Core Courses

- ANSI 4863 Capstone for Animal Agriculture  
- FDSC 3113 Quality Control  
- FDSC 3123 HACCP in the Food Industry  
- FDSC 3154 Food Microbiology  
- FDSC 3373 Food Chemistry I  
- FDSC 4113 Quality Control II  
- FDSC 4153 Advanced Food Microbiology  
- FDSC 4763 Analysis of Food Products  
- FDSC 4900 Special Problems  
- FDSC 4910 Food Industry Internship

Select one of the following:  
- AGEC 3713 Agricultural Law  
- AGEC 3703 Issues in Agricultural Policy  
- LSB 3213 Legal and Regulatory Environment of Business

### Related Courses

Select 12 hours of the following:  
- FDSC 3310 Advanced Competitive Evaluation  
- FDSC 3333 Meat Science  
- FDSC 3603 Processing Dairy Foods  
- FDSC 4253 Pre-Harvest Food Safety  
- FDSC 4333 Processed Meat  
- FDSC 4373 Food Chemistry II  
- NSCI 3543 Food and the Human Environment (IS)  
- HORT 3213 Fruit and Nut Production  
- ENV 3113 Sampling and Analyses for Solving Environmental Problems  
- MICR 3033 Cell and Molecular Biology  
- BIOL 3163 Environmental Biology

### Hours Subtotal 49
<table>
<thead>
<tr>
<th>Electives</th>
<th></th>
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<tbody>
<tr>
<td>Select 0 hours or hours to complete required total for degree</td>
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</tr>
<tr>
<td>Total Hours</td>
<td>120</td>
</tr>
</tbody>
</table>

1. College & Departmental requirements that may be used to meet GE requirements.
2. If used for (N) requirement, hours in this block are reduced by CHEM course hours.
3. If ENGL 3323 Technical Writing is substituted for ENGL 1213 Composition II above; hours in this block are reduced by 3.
4. If used as (S) course above, hours in this block reduced by 3.

### Other Requirements

- A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above.
- A 2.00 GPA or higher in upper-division hours.

### Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2024.