FOOD SCIENCE: SCIENCE, BSAG

Requirements for Students Matriculating in or before Academic Year 2019-2020. 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>
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<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></td>
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<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></td>
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<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
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Select one of the following:

Humanities (H)
- HIST 1103 Survey of American History
- HIST 1483 American History to 1865 (H)
- HIST 1493 American History Since 1865 (DH)
- POLS 1113 American Government

Natural Sciences (N)
- BIOL 1114 Introductory Biology (LN)
- Any course designated (N)

Social & Behavioral Sciences (S)
- AGEC 1113 Introduction to Agricultural Economics (S)
- or ECON 2103 Introduction to Microeconomics

Additional General Education
- Courses designated (A), (H), (N), or (S)

Hours Subtotal 40

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ANSI 2111</td>
<td>Animal and Food Science Professional Development</td>
<td>1</td>
</tr>
<tr>
<td>ANSI 2233</td>
<td>The Meat We Eat</td>
<td>3</td>
</tr>
<tr>
<td>or ANSI 2253</td>
<td>Meat Animal and Carcass Evaluation</td>
<td></td>
</tr>
<tr>
<td>FDSC 1133</td>
<td>Fundamentals of Food Science</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1314</td>
<td>Chemistry I (LN)</td>
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<tr>
<td>CHEM 1515</td>
<td>Chemistry II (LN)</td>
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<tr>
<td>MICR 2123</td>
<td>Introduction to Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>MICR 2132</td>
<td>Introduction to Microbiology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 1014</td>
<td>Descriptive Physics (N)</td>
<td>4</td>
</tr>
<tr>
<td>or PHYS 1114</td>
<td>College Physics I (LN)</td>
<td></td>
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Select one of the following:

- ENVR 1113 Elements of Environmental Science
- HORT 1013 Principles of Horticultural Science (LN)
- PLNT 1213 Introduction to Plant and Soil Systems
- SOIL 1113 Land, Life and the Environment (N)
- SOIL 2124 Fundamentals of Soil Science (N)

Written and Oral Communications

AGCM 3103 Written Communications in Agricultural Sciences and Natural Resources
- 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 35

Major Requirements

Core Courses
- ANSI 4863 Capstone for Animal Agriculture
- BIOC 3653 Survey of Biochemistry
- FDSC 3113 Quality Control
- FDSC 3123 HACCP in the Food Industry
- FDSC 3154 Food Microbiology
- FDSC 3373 Food Chemistry I
- FDSC 4153 Advanced Food Microbiology
- FDSC 4763 Analysis of Food Products
- CHEM 3015 Survey of Organic Chemistry
- NSCI 3223 Nutrition Across the Life Span
- or ANSI 3543 Principles of Animal Nutrition

Related Courses
- Select 12 hours of the following (at least 6 upper division hours required):
  - ANSI, BIOC, CHEM, FDSC, HORT, HTM, PLNT, MICR, MATH, NSCI, STAT, Foreign Language

Hours Subtotal 45

Electives
- Select 0 hours or hours to complete required total for degree

Total Hours 120

1 College & Departmental requirements that may be used to meet GE requirements.
If used for (N) requirement, hours in this block are reduced by CHEM course hours.

If ENGL 3323 Technical Writing is substituted for ENGL 1213 Composition II above; hours in this block are reduced by 3.

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 2025.