FOOD SCIENCE: SCIENCE, BSAG

Requirements for Students Matriculating in or before Academic Year 2020-2021. 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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</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
<td></td>
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<tr>
<td>Select one of the following: 3</td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td></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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American History & Government
Select one of the following: 3
- HIST 1103  Survey of American History
- HIST 1483  American History to 1865 (H)
- HIST 1493  American History Since 1865 (DH)
- POLS 1113  American Government

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) 6

Natural Sciences (N)
Must include one Laboratory Science (L) course
- BIOL 1114  Introductory Biology (LN)
- Any course designated (N) 3

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

Additional General Education
Courses designated (A), (H), (N), or (S) 6

Hours Subtotal 40

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

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<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>ANSI 2111</td>
<td>Animal and Food Science Professional Development</td>
<td>1</td>
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<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>
<td>4</td>
</tr>
<tr>
<td>CHEM 1515</td>
<td>Chemistry II (LN)</td>
<td>5</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>
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</tr>
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Select one of the following: 3
- 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
- or ENGL 3323  Technical Writing
Select one of the following: 3
- 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 2026.