Animal Science, PhD

Requirements for Students Matriculating in or before Academic Year 2021-2022. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college/#70).

Total Hours: 60 (Beyond the Master's Degree)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Required Courses</td>
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</tr>
<tr>
<td>ANSI 5102</td>
<td>Ethics and Professionalism in Animal and Food Science</td>
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<tr>
<td>ANSI 5010</td>
<td>Special Problems</td>
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<tr>
<td>ANSI 5113</td>
<td>Basic Reproductive Physiology</td>
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<tr>
<td>ANSI 5123</td>
<td>Functional and Molecular Endocrinology</td>
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<tr>
<td>ANSI 5213</td>
<td>Advances in Meat Science</td>
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<tr>
<td>ANSI 5303</td>
<td>Advanced Animal Breeding</td>
<td></td>
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<tr>
<td>ANSI 5313</td>
<td>Marker Assisted Selection in Livestock</td>
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<td>ANSI 5333</td>
<td>Carcass Value Estimation Systems</td>
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<tr>
<td>ANSI 5553</td>
<td>Interpreting Animal and Food Science Research</td>
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<tr>
<td>ANSI 5573</td>
<td>Techniques in Animal Molecular Biology</td>
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<tr>
<td>ANSI 5613</td>
<td>Advanced Beef Production</td>
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<tr>
<td>ANSI 5733</td>
<td>Advanced Ruminant Nutrition</td>
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<tr>
<td>ANSI 5743</td>
<td>Rumenology</td>
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<tr>
<td>ANSI 5753</td>
<td>Animal Nutrition Techniques and Laboratory Methods</td>
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<td>ANSI 5763</td>
<td>Advanced Nonruminant Nutrition</td>
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<tr>
<td>ANSI 5773</td>
<td>Protein Nutrition</td>
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<tr>
<td>ANSI 5783</td>
<td>Vitamin and Mineral Nutrition</td>
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<tr>
<th>Food Science (FDSC) 5000- and 6000-level courses</th>
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<tbody>
<tr>
<td>Hours Subtotal</td>
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</table>

| Electives                                       |       |
| Select 15 hours of other graduate courses with the approval of the advisory committee and area of specialization. | 15    |
| Choose from graduate level classes in STAT, BIOC, MICR, BIOL, ZOOL, NSCI, BVSC, or other courses deemed appropriate by advisory committee. |       |
| Hours Subtotal                                  | 15    |

| Other Requirements                              |       |
| Select at least 15 hours from below with approval of the advisory committee and area of specialization: | 30    |
| ANSI 6000 Doctoral Research and Dissertation (Offered for variable credit, 1-10 credit hours, maximum of 30 credit hours.) |       |
| ANSI 6110 Seminar (Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.) |       |
| Hours Subtotal                                  | 30    |

Total Hours: 60

Combined Required Courses, Electives and Other Requirements hours must total 60 hours.