BACHELOR OF SCIENCE IN AGRICULTURE (B.S.A.G.) MAJOR IN AGRICULTURE (AGRICULTURAL MECHANICS CONCENTRATION)

Minimum required: 120 semester credit hours

General Requirements

1. Students cannot enroll in upper-level (3000 or 4000) agriculture courses until they have successfully completed MATH 1315 or MATH 1319, and CHEM 1341 and CHEM 1141.

2. If two years of the same modern language are taken in high school, then no additional language hours will be required for the degree. In the absence of modern language taken in high school, then two semesters of the same modern language (1410 and 1420) must be taken at the college level, and the requirement will be added to the student’s degree audit.

3. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).

4. Nine semester credit hours must be writing intensive (WI).

5. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

Course Requirements

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AG 1110</td>
<td>1</td>
</tr>
<tr>
<td>AG 2373</td>
<td>3</td>
</tr>
<tr>
<td>AG 2390</td>
<td>3</td>
</tr>
<tr>
<td>BIO 1330 (Life and Physical Sciences Component Code 030)</td>
<td>3</td>
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<tr>
<td>BIO 1130</td>
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<tr>
<td>MATH 1315 or 1319 (Mathematics Component Code 020)</td>
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<tr>
<td>COMM 1310 (Component Area Option Code 090/091)</td>
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<tr>
<td>ENG 1310 (Communication Component Code 010)</td>
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<tr>
<td>ENG 1320 (Communication Component Code 010)</td>
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<tr>
<td>US 1100</td>
<td>1</td>
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<tr>
<td>TECH 1311</td>
<td>3</td>
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<tr>
<td>POSI 2310 (Government/Political Science Component Code 070)</td>
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<table>
<thead>
<tr>
<th>Sophomore</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AG 1445</td>
<td>4</td>
</tr>
<tr>
<td>AG 2313 or 2379</td>
<td>3</td>
</tr>
<tr>
<td>AG 2374</td>
<td>3</td>
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<tr>
<td>AG 2383</td>
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<tr>
<td>TECH 2310</td>
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<tr>
<td>ENG Literature (Component Area Option Code 090/094)</td>
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<tr>
<td>CHEM 1341 (Life and Physical Sciences Component Code 030)</td>
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<tr>
<td>CHEM 1141</td>
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<tr>
<td>PHIL 1305 or 1320 (Language, Philosophy, and Culture Component Code 040)</td>
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<tr>
<td>ANTH 1312, GEO 1310, PSY 1300, or SOCI 1310 (Social and Behavioral Sciences Component Code 080)</td>
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<tr>
<td>American History Component Code 060</td>
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<table>
<thead>
<tr>
<th>Junior</th>
<th>Hours</th>
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<tr>
<td>AG 3310</td>
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<tr>
<td>AG 3341</td>
<td>3</td>
</tr>
<tr>
<td>AG 3353</td>
<td>3</td>
</tr>
<tr>
<td>AG 3426</td>
<td>4</td>
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<tr>
<td>AG Elective</td>
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<tr>
<td>POSI 2320 (Government/Political Science Component Code 070)</td>
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<tr>
<td>American History Component Code 060</td>
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<tr>
<td>PHYS 1315</td>
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<tr>
<td>PHYS 1115</td>
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<tr>
<td>ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050)</td>
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<td>ENG 3303</td>
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<table>
<thead>
<tr>
<th>Senior</th>
<th>Hours</th>
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<td>AG 3317 or 3318</td>
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<tr>
<td>AG 3319</td>
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<tr>
<td>AG 4361</td>
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<td>AG 3375</td>
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<tr>
<td>AG 4379 or 3455</td>
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<tr>
<td>AG Electives</td>
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<td>AG 4307</td>
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Total Hours: 120

1 Must be successfully completed in the first 45 college credit hours at Texas State.
### AG Electives

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AG 2345</td>
<td>Horse Management</td>
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<tr>
<td>AG 3301</td>
<td>Principles of Livestock Genetics</td>
<td>3</td>
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<tr>
<td>AG 3302</td>
<td>Herbaceous Plant Materials</td>
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<tr>
<td>AG 3304</td>
<td>Propagation of Horticultural Plants</td>
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<tr>
<td>AG 3305</td>
<td>Woody Plant Materials for Outdoor Landscapes</td>
<td>3</td>
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<tr>
<td>AG 3306</td>
<td>Flowers and Plants for Interior Design</td>
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<tr>
<td>AG 3308</td>
<td>Organic Gardening</td>
<td>3</td>
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<tr>
<td>AG 3314</td>
<td>Animal Health and Disease Control</td>
<td>3</td>
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<td>AG 3321</td>
<td>Range Management</td>
<td>3</td>
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<tr>
<td>AG 3325</td>
<td>Animal Nutrition</td>
<td>3</td>
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<tr>
<td>AG 3329</td>
<td>Economic Entomology</td>
<td>3</td>
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<tr>
<td>AG 3330</td>
<td>Applied Wildlife Nutrition</td>
<td>3</td>
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<tr>
<td>AG 3331</td>
<td>Reproduction in Farm Animals</td>
<td>3</td>
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<tr>
<td>AG 3345</td>
<td>Livestock Selection and Evaluation</td>
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<tr>
<td>AG 3350</td>
<td>Intermediate Microeconomics and Agricultural Application</td>
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<tr>
<td>AG 3351</td>
<td>Agricultural Marketing and Sales</td>
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<tr>
<td>AG 3352</td>
<td>Quantitative Methods in Agricultural Economics</td>
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<tr>
<td>AG 3427</td>
<td>Soil Science II</td>
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<tr>
<td>AG 4185</td>
<td>Independent Study</td>
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<td>AG 4300</td>
<td>Greenhouse and Nursery Management</td>
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<tr>
<td>AG 4302</td>
<td>Fruit and Vegetable Crop Production</td>
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<tr>
<td>AG 4304</td>
<td>Landscape Management</td>
<td>3</td>
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<tr>
<td>AG 4305</td>
<td>Landscape Design</td>
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<tr>
<td>AG 4325</td>
<td>Feeds and Feeding</td>
<td>3</td>
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<tr>
<td>AG 4326</td>
<td>Advanced Animal Science-Ruminants</td>
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<tr>
<td>AG 4328</td>
<td>Advanced Animal Science-NonRuminants</td>
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<tr>
<td>AG 4330</td>
<td>Food Technology: Processing Meats</td>
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<td>AG 4381</td>
<td>Agricultural Policy</td>
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<tr>
<td>AG 4383</td>
<td>Agricultural Resource Economics</td>
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