**GENERAL EDUCATION/UNIVERSITY STUDIES COURSES**

<table>
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<tr>
<th>Dept.</th>
<th>No.</th>
<th>Description</th>
<th>Hrs.</th>
<th>Gr.</th>
<th>Semester</th>
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<tr>
<td>ORAL AND WRITTEN COMMUNICATION</td>
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<td>SCI. INQUIRY, METHODS, QUANT. SKILLS</td>
<td>12-13 HRS</td>
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<td>BIO</td>
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<td>Biological Concepts OR Zoology</td>
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<td>College Algebra</td>
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<td>CIV</td>
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<td>World Civilizations I</td>
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<td>HUM</td>
<td>211</td>
<td>Western Humanities Tradition</td>
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<td>SOCIAL AND SELF AWARENESS</td>
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<td>AGR</td>
<td>199</td>
<td>Contemporary Issues in Ag</td>
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<td>AGR</td>
<td>599</td>
<td>Ag Senior Capstone</td>
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<td>UNIVERSITY STUDIES ELECTIVES</td>
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<td>210</td>
<td>Brief Organic Chem AND Organic Chem Lab OR General Chem &amp; Qual</td>
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<td>506</td>
<td>Repro Physiology OR Repro Physiology OR Repro Physiology OR Repro Physiology</td>
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<td>AGR 403: Prerequisite: AGR 302 AGR 506: Prerequisite: AGR 100, 300 &amp; 310 AGR 523: Summer Only</td>
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<td>Repro Physiology OR Repro Physiology OR Repro Physiology OR Repro Physiology</td>
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<td>AGR 403: Prerequisite: AGR 302 AGR 506: Prerequisite: AGR 100, 300 &amp; 310 AGR 523: Summer Only</td>
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<td>Repro Physiology OR Repro Physiology OR Repro Physiology OR Repro Physiology</td>
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<td>AGR 403: Prerequisite: AGR 302 AGR 506: Prerequisite: AGR 100, 300 &amp; 310 AGR 523: Summer Only</td>
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**AGRICULTURE CURRICULUM COURSES**

**AGRICULTURE CORE COURSES**

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<tr>
<th>Dept.</th>
<th>No.</th>
<th>Description</th>
<th>Hrs.</th>
<th>Gr.</th>
<th>Semester</th>
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<td>Animal Nutrition</td>
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<td>App in Animal Technology</td>
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<td>AGR</td>
<td>339</td>
<td>Computer App for Ag</td>
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<td>Recommended for sophomores and juniors</td>
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<td>AGR</td>
<td>399</td>
<td>Professional Development Seminar I</td>
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<td>Prerequisite: AGR 100, 300 &amp; 310</td>
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<td>AGR</td>
<td>504</td>
<td>Diseases of Livestock</td>
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<tr>
<td>AGR</td>
<td>523</td>
<td>Equine Reproduction OR Repro Physiology OR Repro Physiology OR Repro Physiology</td>
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<td>AGR 403: Prerequisite: AGR 302 AGR 506: Prerequisite: AGR 100, 300 &amp; 310 AGR 523: Summer Only</td>
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**AGRICULTURE CORE COURSES**

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<tr>
<th>Dept.</th>
<th>No.</th>
<th>Description</th>
<th>Hrs.</th>
<th>Gr.</th>
<th>Semester</th>
<th>Notes</th>
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<td>AGR</td>
<td>170</td>
<td>Intro. to Ag Sys Tech OR Ag Safety OR Animal in Disaster AND Livestock in Disaster</td>
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<th>Gr.</th>
<th>Semester</th>
<th>Notes</th>
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<tr>
<td>AGR</td>
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<td>Basic Stock Seat OR</td>
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<td>AGR 101: Prerequisite: AGR 109 or Instructor Permission</td>
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<td>AGR</td>
<td>111</td>
<td>Basic Forward Seat</td>
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<td>AGR 111: Instructor Permission</td>
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<td>Ag Economics</td>
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<td>2</td>
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<td>Prerequisite: AGR 101 or 111 or Instructor Permission</td>
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<td>Horse Science</td>
<td>3</td>
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<td>AGR</td>
<td>304</td>
<td>Adv Stock Seat OR</td>
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<td>AGR 304: Fall Only, Prerequisites: 201 or Instructor Permission</td>
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<td>AGR 306: Spring Only, Prerequisites: 201 or Instructor Permission</td>
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<td>Equine Behavior Modification OR</td>
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<td>Eq Facilities Mgt OR</td>
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<td>Eq Forage Mgt OR</td>
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<td>AGR 318: Prerequisite: AGR 303 or Instructor Permission</td>
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<td>Eq Nutrition &amp; Feeding</td>
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**Required Support Courses** 12 HRS

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<td>Principles of Ag Bus</td>
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<td>AGR</td>
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<td>Ag Bus Records &amp; Analy</td>
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<td>AGR</td>
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<td>MGT</td>
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<td>Fund. of Management</td>
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**EQUINE SCIENCE EMPHASIS COURSES** 24 HRS

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<tr>
<td>AGR</td>
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<td>Eq Facilities Mgt OR</td>
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<td>Eq Health Care &amp; Mgt</td>
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<td>AGR 317: Prerequisite: AGR 303 or Instructor Permission</td>
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<td>Eq Exercise Physiology</td>
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<td>AGR</td>
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<td>Eq Forage Mgt OR</td>
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<td>Eq Selection &amp; Evaluation</td>
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**Required Support Courses** 11 HRS

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<td>Soil Science</td>
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<td>AGR</td>
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<td>Stats for Food &amp; Ag</td>
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**UNRESTRICTED ELECTIVES** 19-21 HRS

---

In addition to the two Equine Areas (Equine Science and Equine Management), MSU does offer an Equine Science Minor, which would be 21 hours. The program must be approved by an advisor and include fifteen hours of required courses (AGR 101 or 111, 201, 302, 303 and 317). Six additional hours of upper-level equine courses must be completed in residence at Murray State University.