Precision Agriculture

Department Information

- **Department Phone:**
  701-231-7261
- **Department Email:**
  ndsu.aben@ndsu.edu
- **Department Web Site:**
  www.ndsu.edu/aben/ (http://www.ndsu.edu/aben/)
- **Credential Offered:**
  B.S.

Minor Requirements

**Minor: Precision Agriculture**

**Required Credits:** 17

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAG 115</td>
<td>Introduction to Precision Agriculture</td>
<td>2</td>
</tr>
<tr>
<td>PAG 215</td>
<td>Mapping of Precision Ag Data</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 2 courses from the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAG 315</td>
<td>Electronic Systems in Precision Ag</td>
<td></td>
</tr>
<tr>
<td>PAG 454</td>
<td>Applications of Precision Agriculture</td>
<td></td>
</tr>
<tr>
<td>PAG 455</td>
<td>Applications of Big Data in Precision Agriculture</td>
<td></td>
</tr>
</tbody>
</table>

**Elective Courses - Select 6 credits from the following:** 6

- AGEC 244 Agricultural Marketing
- AGEC 246 Introduction to Agricultural Finance
- AGEC 342 Farm and Agribusiness Management II
- AGEC 350 Agrisales
- ANSC 114 Introduction to Animal Sciences
- ASM 264 Natural Resource Management Systems
- ASM 354 Electricity and Electronic Applications
- ASM 378 Machinery Principles and Management
- ASM 429 Hydraulic Power Principles and Applications
- BIOL 150 General Biology I
- BIOL 150L General Biology I Laboratory
- CSCI 479 Introduction to Data Mining
- GEOG 455 Introduction to Geographic Information Systems
- GEOG 456 Advanced Geographic Information Systems
- GEOG 470 Remote Sensing
- GEOG 480 Geographic Information Systems Pattern Analysis and Modeling
- ME 311 Introduction To Aviation
- ME 312 Introduction to Flight
- ME 313 Commercial Instrument Ground School
- PAG 315 Electronic Systems in Precision Ag
- PAG 454 Applications of Precision Agriculture
- PAG 455 Applications of Big Data in Precision Agriculture
- PLSC 225 Principles of Crop Production
- NRM 453 Rangeland Resources Watershed Management
- SOIL 217 Introduction to Meteorology & Climatology
SOIL 322  
Soil Fertility and Fertilizers

Total Credits 17

* May take as an elective if not taken as one of the two courses from the required section.