

Precision Agriculture

► Contact Information

Chandra Langseth, instructor
Chandra.Langseth@ndscs.edu
701-671-2602
Tech Center 45

► Delivery Methods

Face-to-Face: Wahpeton

Students who enroll in the Precision Agriculture option in the Agriculture Department will pursue careers in crop production, agronomic consulting, equipment calibration, USDA/NRCS, and data management. Students will find many challenging courses. Course work includes: agronomic fundamentals, data collection, data management, sales and hands-on practical application of GPS, and drone/UAV systems.

Students will have the opportunity to apply concepts learned through hands-on activities at the NDSCS Kosel Family Agriculture Land Lab and other classroom and laboratory activities. The Land Lab is a 90-acre demonstration farm operated by the Agriculture Department, students, and industry partners.

Spring semester concludes mid-April each year to allow students to begin their internship experience. Students enrolled in this option will complete a 400-hour paid internship at a career related training facility during the summer between their first and second year of instruction.

Our philosophy statement is: "The Agriculture Department provides education for the present and future by incorporating leadership and career development, best management practices in crop and livestock production, technology, natural resources, problem solving, internships, and communication through a diverse program."

NOTE: This program requires either an HP EliteBook 850 or ZBOOK 15 laptop or equivalent. Please refer to the NDSCS website for specifications. The cost will be approximately \$1065.00 for the EliteBook 850 and \$2100.00 for the ZBOOK 15, if purchased through NDSCS. For further information, contact Craig Zimprich, department chair, at 701-671-2249.

Course Code	Course Title	Credits
AGEC 142	Agribusiness Internship Orientation I	1
AGEC 143	Agribusiness Internship Orientation II	1
AGEC 242	Introduction to Agricultural Management	4
AGEC 250	Agribusiness Sales	3
AGRI 197	Internship	3
AGRI 297	Internship	1
PAG 275	Introduction to Precision Agriculture	3
PAG 276	Data Collection and Management	3
PAG 285	Precision Agriculture Systems Software	3
PAG 286	Advanced Mapping	3
PLSC 110	World Food Crops	3
PLSC 215	Weed Identification	1
PLSC 225	Principles of Crop Production	3
PLSC 235	Field Scouting Techniques	3
PLSC 235L	Field Scouting Techniques Lab	1
SOIL 210	Introduction to Soil Science	3
SOIL 222	Soil Fertility and Fertilizers	3
Any Agriculture Electives		10
(1 course must be an ANSC prefix)		

Related/General Education Courses

AGRI 135	Applied Math	2
MATH 120	Basic Mathematics I	2
COMM 110	Fundamentals of Public Speaking	3
ENGL 110	College Composition I	3
FYE 101	Science of Success	1
HPER 210	First Aid and CPR (<i>Professional/Community</i>)	2
Social and Behavioral Sciences, Humanities, History and/or Computer Electives		4

Total Required Credits **69**

Admission Requirements*

The applicants must be high school graduates or equivalent. Helpful courses to prepare for this program are mathematics, physical science, biology, agricultural education, computer science, and English. Courses that develop communication skills are important.

Please Note: Students are placed into English, math and reading courses based on ACT, ACCUPLACER or other nationally recognized tests. Please see www.ndscs.edu/current-students/student-success/test-center for the NDSCS Course Placement Policy and testing information. Students may be on an extended plan of study pending their course placement.

**Program Admission Requirements are subject to revision. Please check the department or program website under Program Admission Requirements for current information.*

Award

Upon successful completion of the required courses, students will be awarded an Associate in Applied Science degree in Agriculture with an emphasis in Precision Agriculture.