

2025–2026 Precision Ag Technology Program Review

Form: Annual Program Review

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Program: Precision Ag Technology

Year: 2025-2026

Begin Date: 01/07/2026

A. Program Learning Outcomes

1. Date of Review: 01/07/2026

2. Explain how program outcomes were reviewed this year (i.e., input from advisory board, instructors, students, etc.) and changes made, if any:

Instructor and Advisory Board Evaluation Incorporating Additional Student Feedback. Added AI into the coursework.

3. Outcomes are up-to-date in Coursedog and on the program's web page: Yes

B. Course Syllabi

Course syllabi include: course title and number; credit hours; instructor; instructor office hours/contact information; prerequisites; course description; competencies; required text(s); grading criteria; freedom of expression statement; academic integrity policy; ADA statement; nondiscrimination statement.

Date of Review: 01/07/2026

Syllabi up-to-date in Coursedog: Yes

Explain which syllabi were reviewed: All

C. Program Competencies

1. Date of Review: 01/07/2026

2. Explain how competencies were reviewed this year:

Instructors conducted a thorough review of competencies with insights from industry experts, ensuring alignment with student career needs.

3. Competencies are up-to-date in Coursedog: Yes

D. Course Assessments

Assessments used include oral examinations/presentations, written essays, written reports, examinations, comprehensive final exams, peer evaluations, self-evaluations, clinical/internship observations, class participation, capstone projects, other projects, videos of student mastery, quizzes, lab demonstrations, simulations.

Assessments matched to outcomes/competencies: Yes

Assessment changes: Assessments have been adjusted to align with revised competencies, incorporating advancing technologies.

Higher-level thinking examples: Students complete multi-step problems requiring creativity, analysis, synthesis, and evaluation. Groups compare different solution strategies.

E. Certifications

n/a

F. Program Internships/Externships

1. Evaluation during internship/externship: Site visits arranged for each intern and employer, plus internship completion surveys.

2. Curriculum changes based on evaluations: Feedback will be used to reinforce communication and follow-through; students must communicate internship plans before beginning.

H. Enrollment

Met benchmark

I. Retention

Met benchmark

J. Graduation

Met benchmark

K. In-field Job Placement

Met benchmark

L. Student Satisfaction

Not assessed this cycle

M. Alumni Satisfaction

Not assessed this cycle

N. Employer Satisfaction

Not assessed this cycle

O. Professional Development

1. Instructor activities: Attended an AI Conference.
2. Application of activities: Implemented AI course material into offerings for AI literacy.

P. Professional Organizations

Faculty belong: Yes

Students made aware: Yes

Q. Advisory Board Recommendations

Added AI into course offering. Reverse Engineering/3D Printing was added; invested in updated equipment for hands-on labs.

Personnel responsible: Devon Russell and Dan Sieler

Implementation date: 01/13/2025

R. Program Improvement Plans

Looking at keeping up to date with current and future technology.

Anticipated costs: TBD

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