PROGRAM INFORMATION	Program	Precision Ag Technology
	Submitted by:	Devon Russell
	Year	2024-2025
	Date of Review	2025-01-10
	Form Key	6fa0b85b-8b7b-43ef-ae6e-ca74a9d1e051
PROGRAM OUTCOMES	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.
	Outcomes are up to date in WIDS and on the program's web page	Yes
SYLLABI	ADA Statement	Yes
	Competencies	Yes
	Course Description	Yes
	Course Title and Number	Yes
	Credit Hours	Yes
	Freedom of Expression Statement	Yes
	Grading Criteria	Yes
	Instructor	Yes
	Academic Integrity Policy	Yes
	Nondiscrimination Statement	Yes
	Office Hours/Contact Information	Yes
	Prerequisites	Yes
	Required Text(s)	Yes
	Syllabi Up to Date in WIDS	Yes
	Explain which syllabi were reviewed this year; input received from advisory board, instructors, students, etc. regarding course objectives and textbooks used; and changes made, if any.	A 3D Printing and Reverse Engineering course has been introduced to expand opportunities in precision agriculture.
PROGRAM COMPETENCIES	Explain how competencies were reviewed this year (i.e., input from advisory board, instructors, students, etc.) and changes made, if any:	Instructors conducted a thorough review of competencies with insights from industry experts, ensuring that the requirements align with the needs of students aspiring to succeed in careers within precision agriculture.
	WIDS Up to Date	Yes
COURSE ASSESSMENTS USED IN PROGRAM CHECKLIST	Capstone	Yes
	Class Participation	Yes
	Clinical/internship observations	Yes
	Examinations	Yes
	Comprehensive Final Exams	Yes

	Journals	No
	Lab Demonstrations	Yes
	Oral Examinations/Presentations	Yes
	Other Projects	Yes
	Peer Evaluations	Yes
	Portfolio Projects	No
	Quizzes	Yes
	Self-Evaluations	Yes
	Simulations	Yes
	Videos of Student Mastery	Yes
	Written Essays	Yes
	Written Reports	Yes
ALIGNED AND APPROPRIATE ASSESSMENTS	**Assessments used in the program are matched to the outcomes/competencies for the program.**	Yes
	Explain changes in the assessments used in your program since your last review (include input received and rationale).	Assessments have been adjusted to align with the revised competencies. As technology evolves within the program, assessments have been modified to incorporate these advancements, ensuring they reflect real-world applications.
	Give examples of how assessments used in the program reflect higher-level thinking skills, such as applications, analysis, synthesis, and evaluation.	Students are assigned multi-step problems that necessitate creative thinking to navigate the scenarios effectively. While groups tackle the same task, they may discover various approaches to reach the solution, and their findings are discussed collectively as a class upon completion.
INDUSTRY CERTIFICATIONS	**Explain any changes made or planned in the program based on assessment of industry certifications used in the program.**	NA
INTERNSHIPS/ CLINICALS	**How do you evaluate program competencies or learning objectives during internship/externship experiences?**	Site visits are arranged for each intern and employer to evaluate student competencies, along with an internship completion survey that is filled out by both the intern and the employer.
	As you reviewed results of internship/externship evaluations, what curriculum changes were made or are planned in your program?	Feedback will be utilized to highlight the significance of effective communication and follow-through. Prior to sending students out on internships, we will address both formal and informal communication practices. Students will be expected to clearly communicate their internship plans to their supervisors before the internship begins. Instructors will ensure that students have effectively communicated with their supervisors prior to the start of the internship.

ENROLLMENT	Does the most recent year's data meet this benchmark? If not, explain a single-year anomaly or explain what strategies your program will implement to address a pattern (two or more years) of not reaching this benchmark.	88%
RETENTION	Does the most recent year's data meet this benchmark? If not, explain a single-year anomaly or explain what strategies your program will implement to address a pattern (two or more years) of not reaching this benchmark.	97%
GRADUATION	Does the most recent year's data meet this benchmark? If not, explain a single-year anomaly or explain what strategies your program will implement to address a pattern (two or more years) of not reaching this benchmark.	100%
PLACEMENT	Does the most recent year's data meet this benchmark? If not, explain a single-year anomaly or explain what strategies your program will implement to address a pattern (two or more years) of not reaching this benchmark.	92%
STUDENT SATISFACTION	If this benchmark is not met, what strategy or strategies will be implemented to address this measure?	Instructors will assess student feedback and implement necessary adjustments to address any concerns raised. It is important to maintain an open-door policy for individuals seeking extra support and assistance in their learning journey.
ALUMNI SATISFACTION	If this benchmark is not met, what strategy or strategies will be implemented to address this measure?	Benchmark Met
EMPLOYER SATISFACTION	If this benchmark is not met, what strategy or strategies will be implemented to address this measure?	Benchmark Met
PROFESSIONAL DEVELOPMENT	What professional development activities have instructors in this program completed in the last year?	Webinars, online trainigs, industry trainings, recertifications, etc.

	How were these activities used to improve this program?	Utilized information and training to enhance the curriculum and align it with industry requirements.
PROFESSIONAL ORGANIZATIONS	Do faculty members belong to professional organizations associated with this program?	Yes
	If no, explain why.	
	Are students made aware of the professional organizations for their career field?	Yes
ADVISORY BOARD RECOMMEN-DATIONS	What changes were or will be made to this program based on feedback provided at the past year's advisory board meeting(s)?	A new class on 3D printing and reverse engineering has been introduced to leverage innovative technologies within the precision agriculture sector.
	Implementation Date	2025-01-10
	Indicate the personnel responsible for implementing the change(s):	Sieler, Russell
PROGRAM IMPROVEMENT PLANS AND BUDGET	As you review this past year, what changes do you propose for the next school year that will affect the program's budget?	We are expanding our 3D printing capabilities to include metal printing for field applications, moving beyond mere prototyping.
	Cost	100000