# Precision Agriculture Curriculum Enhancement (PACE) Project

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## BACKGROUND

The PACE project focused on precision agriculture education to meet the growing demands of the U.S. agriculture industry. The major goals of this project are to not only 1) improve and expand precision agriculture education at Parkland College but also 2) expand precision agriculture education opportunities at area high schools and 3) improve capability between Parkland College and 4-year universities precision agriculture curriculum.

## IMPACT

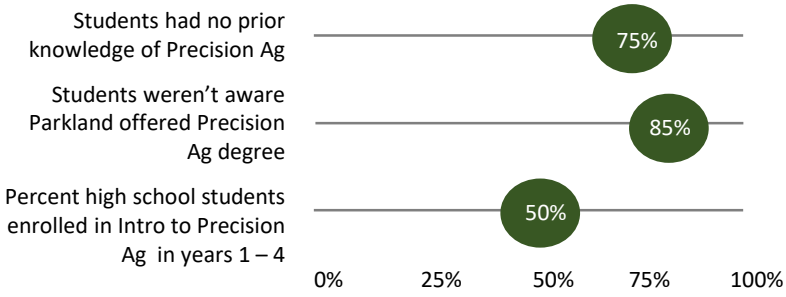
- Updated curriculum for precision agriculture degree to match industry expected knowledge and skill competency areas.
- Created new 17-hour Precision Agriculture Certificate to serve 4-year university agriculture degree programs as well as current Parkland students seeking specialized training in precision agriculture.
- High school teachers from across Illinois participated in Emerging Technologies in Agriculture workshops to further their education on Precision Agriculture concepts and career opportunities for students.
- Expanded precision agriculture education opportunities at area high schools with a newly created Introduction to Precision Agriculture online, dual enrollment course.

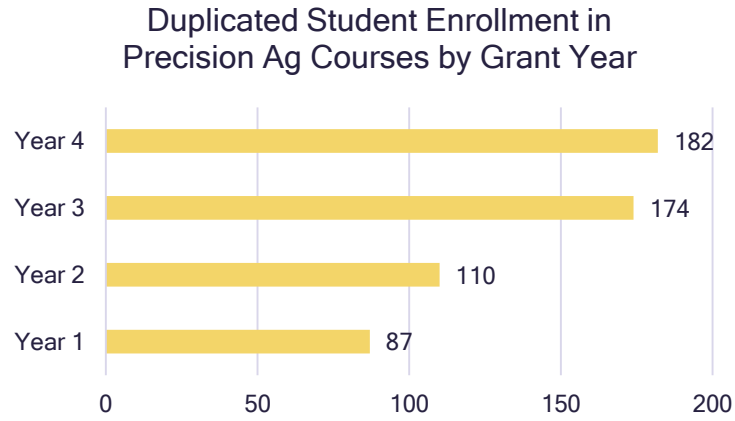
## FINDINGS

Education of precision agriculture begins at the high school level to meet the growing demands of the agriculture industry.

Results from year 1 of the PACE project indicated more awareness was needed in the high school on the opportunities that exist in agriculture. After 4 years of the project, 50% of the students enrolled in Intro to Precision Agriculture were high school students.

Overall enrollment over the course of the PACE project increased 150% from year 1 indicating the success of increasing awareness at the secondary level.




This project is supported by the National Science Foundation under Grant No. 1601473. Any opinions, findings, and conclusion or recommendations expressed are those of the authors and do not necessarily reflect the views of the National Science Foundation.