



# CAREER & TECHNICAL EDUCATION AREA



# IVY TECH PRECISION AGRICULTURE

## PROGRAM DESCRIPTION

The Precision Agriculture Technician program is a great starting point for students that share an interest in both Precision Ag systems and farm equipment. Upon completion, students will be ready for a career focused on troubleshooting and utilizing Precision Ag systems in commercial agriculture.

The Precision Agriculture Equipment Technology program at Ivy Tech is the first of its kind and is taught by instructors with real-world experience. Students will use state-of-the-art laboratories equipped with the newest on-board equipment, as well as tractors, combines, sprayers, and more.

Precision agriculture combines computer technology with GPS and mapping software to record and track yield information. Classes focus on a variety of subjects necessary to be successful in this field, including production agriculture, mechanical systems, electronics, and even business strategies and global farming issues! Students will spend a significant amount of class time completing hands-on activities with the ability to have one-on-one time with the instructor.

## OCCUPATIONS UPON COMPLETION OF PROGRAM:

The Precision Agriculture Equipment Technology program prepares students for careers as precision agriculture technicians or Ag. Equipment Technicians. A graduate of the program could work for companies like Bane-Welker, PIGG Implement, Keystone or AgX. Graduates of the program will also be prepared to take new farming practices back to his/her farm. Most of all, our graduates will have the foundation needed to begin a high-paying job in the community, getting in on the ground-floor of this rapidly expanding job field.

## OUR GRADUATES:

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## ADDITIONAL INFO

**GRADE LEVEL:** 11TH OR 12TH

**LENGTH OF PROGRAM:** 1 OR 2 YEARS - 1/2 DAY

**HS CREDITS PER SEMESTER:** 3

**HS CREDITS PER YEAR:** 6

**PROGRAM WEBSITE:** [IVYTECH.EDU](http://IVYTECH.EDU)

## DOE CODES:

7117 - Principles of Agriculture

7116 - Precision Agriculture

7113 - Crop Management

7236 - Precision Agriculture Capstone

## COURSE INFO



### FALL SEMESTER COURSES:

**PAET 100 - Introduction to Precision Agriculture**

(3 Cr Hrs) M/W 9:00AM - 10:30am

**PAET107 - Unmanned Aerial Vehicles in Precision Ag**

(3 Cr Hrs) M/W 10:45am - 12:15pm

**PAET202 - Application Control**

(3 Cr Hrs) M/W 8:00am - 11:50am



### SPRING SEMESTER COURSES:

**PAET122 - Precision Agriculture App. of GPS/GIS**

(3 Cr Hrs) M/W 8:00am - 11:50am

**PAET223 - Advanced Data Management**

(3 Cr Hrs) M/W 8:00am - 11:50am



### FEES:

**Consumable Fee:** \$125

**Ivy Tech Technology Fees\*:** \$60 per semester

**Tuition:** Twin Rivers pays ALL CTE course tuition. Student pays for fees and books.

**PRECISION AG PROGRAM CHAIR: MICHAEL MAUNTEL**

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\*FEES ARE APPROXIMATE AND COULD VARY FROM YEAR TO YEAR