

# PRECISION AGRICULTURE- SOLVING TECHNOLOGY PROBLEMS

ATG 1008

PSI 3226

## PROGRAM DESCRIPTION

Students will engage in the problem-solving process using current hardware and software tools for applied data-driven problem solving. Through data analysis, algorithmic problem solving, and technical memo writing students will work to solve a technical agricultural issue.

## Student Eligibility & Prerequisites

This program is available to all CESD students:

Prerequisite: Math 10C and comfortable with various GIS software and Excel experience

1. Who are in grades 10, 11 or 12 and who have an interest in learning about Precision Agriculture.
2. Who are able to commit to the duration of the program, participating in learning activities and completing assignments and tests as scheduled, and who can meet regularly with the Off Campus Teacher to communicate about progress in the course and to identify strategies for success.

## Applications due September 9



## Course Outline

1. Engage in the cyclical, inter-related process of effective problem-solving, including Defining, Stating, Selecting and Collecting, Analyzing, Testing and Communicating.
2. Apply the problem-solving strategy to a technical agricultural issue.
3. Communicate solutions based on quantitative and qualitative data on a technical agricultural issue.



## Cost

Tuition - \$0  
(savings of approx \$500)

Textbooks and materials - Laptop and materials will be loaned to CESD students through our IMC (Instructional Media Centre)

Five 30 level HS credits  
Three PS credits

## ADDITIONAL INFORMATION

- Students' marks will appear on their high school transcript as well as their post-secondary transcript.
- Students should have the support and guidance of their parents if they are to pursue online dual credit opportunities.
- Deadlines Matter! Students must be able to communicate with the instructor and the key school contact when alternative arrangements need to be made.
- The student understands the expectations of the dual credit program by realizing that they should be working on these opportunities for a minimum of 5-10 hours a week.

## SUPPLY LIST: ATG 1008

All required supplies are provided by CESD central office