

Course Code: AGC 235

Course Title: AGCO Liquid Application Systems

Department: Agricultural Technologies

Effective Date: Summer 2026

PCS Code: 1.2 - Occupational/Technical Instruction

CIP Code: 47.0605

Repeatability: 0

Credit Hours

Catalog Notation: 2-2-3

Credit Hour Distribution:

Lecture: 2

Lab: 2

Clinical: 0

Total: 3

General Course Information

Catalog Description

Introduction and practical application of AGCO liquid chemical and fertilizer application systems. Emphasis on product handling, delivery, metering, and injection of crop production products.

General Course Objectives

Demonstrate proficiency in the system layout, flow meter, and servo valve operations for rate control, safe product handling, storage, and delivery. Students will be able to demonstrate setting up control monitors for intended product rate application.

Minimum Placement Levels

English	Reading	Math
Placement into ENG 098	Placement into CCS 098	Placement into MAT 060

Prerequisites

Credit in AGC 214

Methods of Evaluation

Students will be evaluated with 12 exams, 8 lab practicals, and 4 performance evaluations.

Instructional Materials and Additional Supplies

Students will need the required tool sets for the AGCO Technician program.

Course Content

General Learning Outcomes (GLOs)

- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
AGCO Liquid Product Storage and Delivery	1. Understand liquid product safety as applied to operators and technicians. 2. Understand system layout and component identification.	10	10	0
AGCO Liquid Product Setup and Operation	1. Demonstrate proficiency in setting up rate control monitors. 2. Understand spray tip identification and applications.	10	10	0
AGCO Liquid Product Diagnosis and Repair	1. Use technical publications and special tools to diagnose and repair problems associated with AGCO liquid delivery systems.	10	10	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	30	0