

Course Code: AGC 230

Course Title: AGCO Tractor Systems I

Department: Agricultural Technologies

Effective Date: Summer 2026

PCS Code: 1.2 - Occupational/Technical Instruction

CIP Code: 47.0605

Repeatability: 0

Credit Hours

Catalog Notation: 2-3-3

Credit Hour Distribution:

Lecture: 2

Lab: 3

Clinical: 0

Total: 3

General Course Information

Catalog Description

Instruction on AGCO tractor systems; power generation and powertrains.

General Course Objectives

To understand each system in Massey and Fendt tractors separately and how the relationships between all systems synergize.

Minimum Placement Levels

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

Prerequisites

Credit in AGC 112 and AGC 171

Methods of Evaluation

Students will be given a minimum of 13 exams, 6 lab practicals, and 8 performance exams.

Instructional Materials and Additional Supplies

Fendt Tractor modules - online content

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 Power Generation	1. Understand the theory and demonstrate practical application of AGCO power generation.	15	22.5	0
AGCO Tractor Powertrain	1. Understand theories of AGCO tractor powertrain systems, including CVT transmissions, drivelines, and braking systems. 2. Demonstrate diagnostic test procedures of these systems.	15	22.5	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	45	0