

Course Code: AGC 153

Course Title: AGCO Mechanical Technician Principles

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 hardware, tools, and mechanical application practices used on AGCO equipment.

General Course Objectives

- Introduction of hardware, hydraulics, and pneumatic fittings and conduits.
- Work with gear pullers, jacks, presses, and rigging for lifting and supporting.
- Introduction to basic problem solving techniques used in day to day operations in AGCO dealers.

Minimum Placement Levels

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

Prerequisites

None

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
Hardware Identification and Application	1. Understand usage of hardware and fasteners on AGCO equipment. 2. Understand application and repair of hardware and fasteners.	10	10	0
Hydraulic and Pneumatic Plumbing on AGCO Equipment	1. Understand application of hydraulic fittings, hoses, and lines. 2. Understand application of pneumatic fittings, hoses, and lines.	10	10	0
Hand Tool and Special Tool Application	1. Demonstrate proper usage of special tools and hand tools pertaining to AGCO equipment.	10	10	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	30	0