

African Milling School

Apprentice Feed Miller Program (APF), Syllabus and Learning Targets



Module	Technology	Machine Design & Functionality	Food safety & Animal Nutrition	Engineering & Maintenance
Preparatory Online Program for Module 1 <i>03 March to 25 April 2025</i> <i>(8 weeks)</i>	Basic Plant Flowsheet Aspiration Intake and Pre-Cleaning Weighing and Dosing	Intake & Pre-Cleaning Fans and Filters Cleaning machines Mechanical conveying Elements	Cereal Science Macro-nutrients and Basic Components	OHAS Basic Mathematics Basic Electric Engineering Mechanical components
Module 1 (At School) <i>05 to 30 May 2025</i> <i>(4 weeks)</i>	Flow Sheet Technology Basic Silo Management and Storage Cleaning Section	Weighing and Dosing Cleaning Machines	Nutrition Basics Animal Digestion Systems	Magnetism, Motors and Components Electrical Engineering Components and Controls
Preparatory Online Program for Module 2 <i>09 June to 08 August 2025</i> <i>(8 weeks)</i>	Size Reduction Steam Basics Mixing Theory Liquid Addition	Size Reduction / Hammer-Mill Mixers Pellet Press Extruder and Expander	Animal Nutrition	CV Calculations Plant Automation PLC/PC
Module 2 (At School) <i>18 August to 12 September</i> <i>(4 weeks)</i>	Mixing and Homogenizing systems Hygienizing and pelleting technology Drying and Cooling Pellet quality testing Methods Pellets handling	Conditioners Pellet press Dryers and Coolers Steam Rack Packer and Packaging	Animal Nutrition Basic Recipe Management Pest Control Food Safety	Plant Automation PLC/PC Maintenance Planning Liquid and Steam Fittings and Accessories