SYNOPSIS OF SAGMA COURSES

SAGMA Southern African Grain Milling Academy
ACCREDITED COURSE

SAGMA Southern African Grain Milling Academy
MILLING FOR NON-MILLERS

SAGMA Southern African Grain Milling Academy

ACCREDITED COURSE NQF 5

2½ – 3 YEARS
Must work in a mill with access to a head miller and tutor

8 Theory Modules (2 per semester)	**Logbook and Portfolio of Evidence** (Run concurrently with theory)

Trade Test (practical)
6 months after the theory has been completed to prepare for this test

EISA (May or November) at SAGMA Head Office in Gauteng

Receive QCTO Occupational Certificate: Miller NQF 5
Industry accepted and recognised

A qualified student will be able to:

- receive, grade and store raw material in bulk or bags *(NQF Level 5)*
- prepare grain for the milling process *(NQF Level 5)*
- manage and control the milling process *(NQF Level 5)*
- establish and control the quality of milled products *(NQF Level 4)*
- blend or mix and store semi-finished products according to product specifications *(NQF Level 4)*
- monitor and control the packing process of the finished product for distribution *(NQF Level 4)*
- maintain the serviceability of milling machines and equipment throughout the milling process *(NQF Level 4)*

Students with an average of 70% for all their modules may register for the Advanced Course

GENERAL COURSE (OLD GMF)

2½ YEARS
Must have access to a tutor with milling experience

5 Theory Modules
Module 1 & 2 simultaneously & Module 3 – 5 separately

Trade Test (practical)
6 months after the theory has been completed to prepare for this test

Received Certificate of Completion
Industry accepted and recognised

Students with an average of 70% for all the modules may register for the Advanced Course

A Maize Student will be able to understand:

- the maize milling industry and process and the applicable legislation.
- maize grading, handling and safe storage.
- the different methods of blending maize by removing impurities and conditioning by water addition.
- all equipment used in milling maize and the efficient operation and maintenance thereof.
- detail of the milling process, flow principles and the quality assurance of the whole process.

A Wheat student will be able to understand:

- the wheat milling industry and process and the applicable legislation.
- wheat grading, handling and safe storage.
- different methods of gristing or blending and preparation of grain by removing impurities and conditioning by water addition.
- all equipment used in the milling of grain and the efficient operation and maintenance thereof.
- detail of the milling process, flow principles and the quality assurance of the whole process.

Students with an average of 70% for all their modules may register for the Advanced Course

ADVANCED COURSE CERTIFICATE OF COMPLETION

2 YEARS

The Advanced Technology Course in wheat and maize milling has no specific outcome or National Qualification, i.e., head miller or mill manager, and was:

1. **Firstly**, introduced to upgrade existing general management:
   - to focus on and establish critical competencies and skills to structure the relationship between the business functions;
   - to focus on and establish critical competencies and skills for problem-solving and decision-making in managerial situations; and
   - to establish critical competencies and skills for steering and directing operations.
2. **Secondly**, to prepare persons with the necessary skill set (in possession of a wheat or maize trade test certificate) to move into management positions in the wheat and maize milling industry.

Persons with a wheat or maize SAGMA/SAQA Trade Test Certificate can enrol for this course.

MILLING FOR NON-MILLERS CERTIFICATE OF PARTICIPATION

1-DAY WORKSHOP

- Introduce the mill owner to the principles, rather than the specifics, of the technical aspects of milling.
- Provide an incentive for the mill owners to ask appropriate questions and to draw up their own item checklists when undertaking site and plant “walkabouts”.
- Create and reinforce an awareness that a little knowledge is dangerous if not used responsibly.
- A concise overview of the wheat and maize milling processes will ensure that the mill operates optimally, producing quality finished products.
- Mill performance and the necessary controls to be put into place to achieve it.
- Information on calculations is discussed in detail, leading to a better understanding of why certain decisions are taken and the implications and consequences.
- Profitability in terms of milling gain, extraction rates and other milling costs are also discussed.
- The importance of quality control, workshop practice and fumigation is included.

Enquiries: Elmien Bussiahn | Course Coordinator & Student Support
Tel: +27 (0)60 643 0453 | E-mail: elmien@sagma.co.za | Website: www.sagma.co.za
sagmasouthafrica