



MINING AND MINERALS TRAINING

Bulk Materials Handling and Conveyor Systems

3 day course

Classroom, online or in-house

Course overview

Conveyors carry the production of a mine or plant on a single line with no redundancy, so a belt failure is a production stoppage rather than a maintenance job. This course covers keeping them running. Delegates work through material characterisation and flow behaviour, chute and transfer point design where most spillage and belt damage originates, and belt selection, splicing and tracking. Drive, take up and braking arrangements are covered. Idlers, pulleys and the condition monitoring that predicts their failure follow. Dust and spillage control are addressed as both cost and safety issues. The course closes on capacity, energy consumption and belt conveyor safety including guarding and isolation.

What you will learn

- Characterise a material and predict its flow behaviour
- Design chutes and transfer points that do not spill or damage belts
- Select, splice and track belting correctly
- Specify drive, take up and braking arrangements
- Monitor idlers and pulleys to predict failure
- Control dust and spillage as cost and safety issues
- Manage capacity, energy consumption and conveyor safety

Who should attend

- Mine and plant mechanical engineers
- Maintenance supervisors and technicians on conveyors
- Production and processing supervisors
- Reliability engineers
- Safety officers responsible for guarding and isolation

Course outline

- 01 A single line with no redundancy
- 02 Material characterisation and flow
- 03 Chute and transfer point design
- 04 Belt selection, splicing and tracking
- 05 Drives, take up and braking
- 06 Idlers, pulleys and condition monitoring
- 07 Dust and spillage control
- 08 Capacity, energy and conveyor safety

Upcoming dates

Dates	Venue	Format	Fee per delegate
10 to 12 February 2027	Accra, Ghana	Classroom	USD 995
15 to 17 February 2027	Kampala, Uganda	Classroom	USD 995
3 to 5 March 2027	Online	Online	R6,500

Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia,



Lesotho and Eswatini, and **USD 995** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriScience.co.za, or WhatsApp us on **+27 63 479 1136**.

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