



MANUFACTURING AND PRODUCTION

Brewing and Beverage Processing

5 day course

Classroom, online or in-house

Course overview

Beverage production is a biological process wrapped in a packaging operation, and consistency across batches is the product, since a customer notices a difference long before they notice quality in the abstract. This course covers both halves. Delegates work through raw materials including malt, adjuncts and water treatment to a target profile, milling, mashing and wort production, and fermentation with the yeast management that determines flavour consistency. Maturation, filtration and stabilisation follow. Carbonation, packaging and the oxygen pickup that shortens shelf life are covered. Cleaning in place and microbiological control receive full attention. The course closes on utilities, water and effluent load, and on troubleshooting a batch that has gone wrong.

What you will learn

- Select raw materials and treat water to a target profile
- Operate milling, mashing and wort production
- Manage yeast and fermentation for consistent flavour
- Run maturation, filtration and stabilisation
- Control carbonation, packaging and oxygen pickup
- Operate cleaning in place and maintain microbiological control
- Troubleshoot a batch and manage water and effluent load

Who should attend

- Brewing and beverage process staff
- Quality control and laboratory personnel
- Packaging line supervisors
- Maintenance and utilities engineers in beverage plants
- Production managers in food and beverage

Course outline

- 01 A biological process inside a packaging operation
- 02 Raw materials and water treatment
- 03 Milling, mashing and wort production
- 04 Fermentation and yeast management
- 05 Maturation, filtration and stabilisation
- 06 Carbonation, packaging and oxygen pickup
- 07 Cleaning in place and microbiological control
- 08 Utilities, effluent and batch troubleshooting

Upcoming dates

Dates	Venue	Format	Fee per delegate
21 to 25 September 2026	Accra, Ghana	Classroom	USD 1,325
16 to 20 November 2026	Online	Online	R8,500
23 to 27 November 2026	Gaborone, Botswana	Classroom	R19,950
18 to 22 January 2027	Cape Town, South Africa	Classroom	R19,950



Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** 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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