



MANUFACTURING AND PRODUCTION

Textile Dyeing and Colour Management

5 day course

Classroom, online or in-house

Course overview

A dyehouse is judged on whether a shade matches and whether it matches again next month, and most of the cost of getting it wrong is in reprocessing that damages the fabric it is trying to save. This course targets right first time. Delegates work through fibre and dye class compatibility, covering reactive, disperse, vat, acid and direct dyes and why a blend needs more than one. Preparation is treated as the decisive step: desizing, scouring, bleaching and mercerising, since uneven preparation guarantees uneven dyeing. Dyeing machinery is covered across jet, winch, jigger, package and continuous ranges, with the liquor ratio and levelling control each requires. Recipe formulation, dispensing accuracy and batch reproducibility follow. Colour measurement is addressed properly: light sources, metamerism, tolerance setting and pass or fail decisions. Fastness testing is covered. Shade correction and the point at which a batch should not be corrected are addressed. The course closes on water, salt and energy cost per kilogram.

What you will learn

- Match dye class to fibre, including blends
- Prepare fabric so that dyeing is even
- Select dyeing machinery and control liquor ratio and levelling
- Formulate recipes and dispense accurately for reproducibility
- Measure colour and set tolerances, allowing for metamerism
- Run fastness tests and interpret the results
- Decide when to correct a shade and when to stop, and cost the batch

Who should attend

- Dyehouse supervisors and shift chemists
- Textile colourists and laboratory staff
- Quality assurance staff in wet processing
- Production managers at dyeing and finishing plants
- Technical staff supporting colour approval

Course outline

- 01 Matching, and matching again next month
- 02 Fibre and dye class compatibility
- 03 Desizing, scouring, bleaching and mercerising
- 04 Jet, winch, jigger, package and continuous dyeing
- 05 Liquor ratio and levelling control
- 06 Recipe formulation and dispensing accuracy
- 07 Colour measurement, metamerism and tolerances
- 08 Fastness testing, shade correction and cost per kilogram

Upcoming dates



Dates	Venue	Format	Fee per delegate
26 to 30 October 2026	Online	Online	R8,500
23 to 27 November 2026	Pretoria, South Africa	Classroom	R19,950
7 to 11 December 2026	Port Louis, Mauritius	Classroom	USD 1,325
4 to 8 January 2027	Johannesburg, 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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