

**MANUFACTURING AND PRODUCTION**

Sewing Line Balancing and Apparel Industrial Engineering

3 day course

Classroom, online or in-house

Course overview

A sewing line produces at the speed of its slowest operation, and most factories carry that bottleneck for the life of a style because nobody measured where it was. This course provides the measurement and the remedy. Delegates work through operation breakdown, building a style into its component operations and sequencing them. Time study follows, including rating, allowances and the standard minute value that everything downstream depends on. Predetermined time systems are introduced as an alternative. Line balancing is worked through practically: theoretical operator requirement, work station allocation and the reallocation that removes a bottleneck. Layout options are covered across progressive bundle, unit production and modular working. Work in progress control and its effect on throughput time are addressed. Operator training, learning curves and the cost of a style change follow. Efficiency, performance and their honest calculation are covered. The course closes on capacity planning and on costing a style from its standard minutes.

What you will learn

- Break a style into operations and sequence them
- Conduct time study with rating and allowances
- Establish standard minute values reliably
- Balance a line and reallocate work to remove a bottleneck
- Compare progressive bundle, unit production and modular layouts
- Control work in progress to shorten throughput time
- Manage learning curves and cost a style from its standard minutes

Who should attend

- Industrial engineers in apparel manufacturing
- Sewing line supervisors and floor managers
- Production planners in garment factories
- Work study officers
- Factory managers improving throughput

Course outline

- 01** The speed of the slowest operation
- 02** Operation breakdown and sequencing
- 03** Time study, rating and allowances
- 04** Standard minute values
- 05** Predetermined time systems
- 06** Line balancing and reallocation
- 07** Bundle, unit production and modular layouts
- 08** Work in progress, learning curves and style costing

Upcoming dates



Dates	Venue	Format	Fee per delegate
30 September to 2 October 2026	Online	Online	R6,500
18 to 20 November 2026	Gaborone, Botswana	Classroom	R14,950
30 November to 2 December 2026	Kigali, Rwanda	Classroom	USD 995
10 to 12 February 2027	Lagos, Nigeria	Classroom	USD 995

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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