



MANUFACTURING AND PRODUCTION

Pharmaceutical Manufacturing Operations and Solid Dosage Forms

5 day course

Classroom, online or in-house

Course overview

A tablet has to contain the same dose as every other tablet in the batch, disintegrate predictably and still do so two years later, and each of those is decided by unit operations that look routine on a production floor. This course works through them. Delegates work through excipient function and why a formulation is a set of deliberate choices rather than a recipe. Dispensing and material control follow. Granulation is covered across wet, dry and direct compression routes, with the endpoint determination that decides granule quality. Drying and loss on drying are addressed. Blending and the segregation that undoes it are covered, since content uniformity failures usually start there. Compression follows: tooling, weight, hardness, friability and the in process controls that catch a drifting machine. Coating is addressed. Capsule filling is covered. In process control, sampling and batch documentation follow. The course closes on yield reconciliation and on investigating an out of specification batch.

What you will learn

- Explain excipient function within a deliberate formulation
- Control dispensing and material identity
- Select wet, dry or direct compression routes and judge granulation endpoint
- Blend without segregation and protect content uniformity
- Control weight, hardness and friability during compression
- Coat and fill capsules to specification
- Reconcile yield and investigate an out of specification batch

Who should attend

- Pharmaceutical production operators and supervisors
- Quality assurance staff in medicine manufacturing
- Formulation and development technicians
- Production managers at pharmaceutical plants
- Regulatory inspectors reviewing manufacturing operations

Course outline

- 01 Every tablet the same, for two years
- 02 Excipient function and formulation choices
- 03 Dispensing and material control
- 04 Wet, dry and direct compression granulation
- 05 Drying, blending and segregation
- 06 Compression, tooling and in process controls
- 07 Coating and capsule filling
- 08 Batch documentation, yield reconciliation and investigations

Upcoming dates



Dates	Venue	Format	Fee per delegate
19 to 23 October 2026	Gaborone, Botswana	Classroom	R19,950
18 to 22 January 2027	Johannesburg, South Africa	Classroom	R19,950
1 to 5 February 2027	Online	Online	R8,500

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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