



EMERGING TECHNOLOGIES TRAINING

Additive Manufacturing and 3D Printing

3 day course

Classroom, online or in-house

Course overview

Additive manufacturing matters most where supply chains are long and spares are unavailable, which describes a great deal of African industry, and it fails most often when a part is printed that should have been machined. This course covers telling those cases apart. Delegates work through the process families and what each can make in which materials, design for additive manufacture and the geometry that only this route allows, and the material properties that differ from a wrought equivalent. Post processing and finishing are covered. Qualification of a printed part for service receives full attention, since an unqualified structural part is a liability. The course closes on cost modelling, on spares and reverse engineering, and on selecting the right applications.

What you will learn

- Compare the additive process families and their materials
- Design for additive manufacture and exploit geometry it uniquely allows
- Account for material properties that differ from wrought equivalents
- Specify post processing and finishing
- Qualify a printed part for service
- Model cost against machining and conventional supply
- Select applications where additive genuinely wins

Who should attend

- Design and mechanical engineers
- Maintenance and spares engineers
- Manufacturing and production staff
- Procurement staff assessing additive supply
- Technical managers evaluating the technology

Course outline

- 01 Where additive wins and where it should not be used
- 02 Process families and materials
- 03 Design for additive manufacture
- 04 Geometry only this route allows
- 05 Material properties against wrought equivalents
- 06 Post processing and finishing
- 07 Qualifying a part for service
- 08 Cost modelling, spares and reverse engineering

Upcoming dates

Dates	Venue	Format	Fee per delegate
7 to 9 October 2026	Durban, South Africa	Classroom	R14,950
26 to 28 October 2026	Maseru, Lesotho	Classroom	R14,950
16 to 18 November 2026	Online	Online	R6,500
30 December 2026 to 1 January 2027	Kigali, Rwanda	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**.

AfriScience Group | +27 61 536 6531 | info@afriscience.co.za | Pretoria, Gauteng, South Africa