

## SOUTHERN MEDICAL – JUNIOR BIOMEDICAL ENGINEER

**Location:** Southern Medical Head Office (on-site)  
55 Regency Drive, Route 21 Corporate Park, Irene, Gauteng

**Application:** Email your CV to [jana.m@southmed.co.za](mailto:jana.m@southmed.co.za) by 17 January 2025

### REQUIREMENTS

**Academic:** Required:

- BEng/BScEng (Mechanical/Mechatronic)
- Strong academic performance (at least  $\geq 60\%$  average)

Advantageous:

- MSc/MEng in biomedical engineering or related topic

**Experience:** No previous work experience required.  
Experience with medical device design & development and/or regulatory requirements related to medical devices will be advantageous.

**Technical Skills:**

- Strong technical and theoretical engineering capability
- Experience in SolidWorks or similar CAD software
- Excellent verbal & written communication skills

**Soft Skills:**

- Able to work well independently and in a team
- Detail-orientated & organised
- Self-motivated & goal-driven
- Reliable
- Good time management
- Ethical & honest

### RESPONSIBILITIES

- Design and development of new and revised medical devices (CAD models, manufacturing and inspection drawings)
- Design of surgical instruments and instrument sets/trays
- Design documentation, including project plans, change control documents, design reviews, design master documents, design control matrices, testing protocols and reports etc.
- Design transfer from development to production, including all related documentation
- Verification and validation of devices, gauges and instrumentation
- Creation & maintenance of regulatory documentation including the Risk Management File, Design History File and Technical File/Medical Device File
- Management of own projects & tasks to meet deadlines & company goals
- Design of fixtures & gauges for testing, manufacturing and inspection purposes
- Assessment of product non-conformances
- Customer complaint handling
- Clinical evaluations & ad-hoc literature studies

