

# Calibration Engineer

**Aliases:** please provide details

**Industry/Sector(s):** Electronics and HW

## JOB DESCRIPTION

The tasks a Calibration Engineer is expected to perform include:

- Testing and standardising medical devices under specified conditions
- Comparing measurements of medical device with the master equipment
- Certifying devices as per manufacturer's specified standard or customer's requirement

## WORK ENVIRONMENT

- It is a desk job
- Work from home option is not available
- Part-time work and contractual jobs are available in some cities
- Local travelling is a part of this job role
- Need not handle a team

### Working hours

- Working is 8/9 hours every day for 5/6 days a week
- Shift system is not applicable

### Is the job suitable for a candidate with special needs?

Maybe

## EDUCATIONAL QUALIFICATIONS AND TRAINING

- Minimum – Preferably ITI
- Certified training for Calibration Engineer (programme aligned to ELE/Q8002 released by Electronics Sector Skills Development Council)

## KEY COMPETENCIES

- Understanding medical devices and their applications
- Understanding of test and calibration methods and instruments used
- Knowledge of electrical, electronic and mechanical parts of devices and assembly processes
- Proficiency at dismantling and re-assembly of devices
- Ability to handle and operate hazardous tools and equipment
- Familiarity with common electric and electronics involved in medical devices

## DESIRABLE COMPETENCIES

- Familiarity with Electrostatic Discharge (ESD) precautions
- Knowledge of emergency procedures to be followed

## AVAILABLE SKILL TRAINING AND LEARNING INSTITUTES

- ITI colleges across India
- Technical institutes across India

## AVAILABLE SKILL TRAINING SCHEMES/SCHOLARSHIPS

<http://nscsindia.org/AboutUs.aspx>  
<http://www.ejobshub.in/2013/12/iocl-scholarship-2014-2015-download.html>

## SAMPLE OF TRAINING AND LEARNING COURSES

<http://stqc.gov.in/content/test-engineering-and-skill-development>

## CAREER PROGRESSION PATH

Calibration Technician/Tester → **Calibration Engineer** → Sr. Calibration Engineer → Supervisor

### Transfer option

- India: Yes
  - Abroad: Yes
- (\*This field to open the relevant job title when clicked)*

## EXPECTED EARNINGS

- For freshers – ₹ 12,000 to ₹ 15,000 per month
  - For candidates with experience - ₹ 18,000 to ₹ 25,000 per month
- (These figures are indicative and subject to change)*

## REQUIRED WORK EXPERIENCE

Minimum one year in medical device testing

## PROBABLE EMPLOYERS

- Calibration labs and industries
- R&D Centres
- Govt. Standardisation Testing and Quality Certification (STQC) Directorate
- Medical equipment service providers
- Medical equipment manufacturers

## PEOPLE'S CORNER

Coming Soon

## KEYWORDS

Medical Device Calibration Engineer, Medical Electronics Calibration Engineer

## OCCUPATIONAL CODES AND STANDARDS

Standard	Code	Description
NCO 2015	7311.1002	Calibration Engineer
ISCO 2008	7311	Precision Instrument Makers and Repairers
NIC 2008	26600	Manufacture of irradiation, electromedical and electrotherapeutic equipment
QP Reference	ELE/Q8002	Calibration Engineer
NSQF	4	NA

## REFERENCES

1	1 Qualification Pack – Web Developer
17	<a href="http://www.ficci.com/spdocument/20210/FICCI-Deloitte-Though-paper-on-Medical-Electronics.pdf">http://www.ficci.com/spdocument/20210/FICCI-Deloitte-Though-paper-on-Medical-Electronics.pdf</a>
19	<a href="http://www.censusindia.gov.in">www.censusindia.gov.in</a>
20	<a href="http://www.nsdcindia.org/sites/default/files/files/Electronics-IT-hardware.pdf">http://www.nsdcindia.org/sites/default/files/files/Electronics-IT-hardware.pdf</a>