

The Position

NIBRT is the National Institute for Bioprocessing, Research and Training, the national institute which is a state of the art international bioprocess training and research centre. We provide leading edge training and research to a range of major global and Irish clients and academic bodies.

Overview

Electrical Instrumentation Apprenticeship

The Electrical Instrumentation craftsperson is involved in the installation, commissioning, testing and maintenance of various wiring systems and services within the commercial and industrial sector.

Their work also includes the maintenance and repair of all instruments used in the measurement and control of process variables (e.g. in the chemical industry to measure and control the temperature, pressure and flow, as appropriate, in various points of the process).

The Electrical Instrumentation craftsperson carries out installation, maintenance and calibration of measuring instruments, sensors, transmitting and controlling devices and systems associated with the measurement, control and protection of physical quantities found in these industries. The measurement and control of these quantities enables products to be produced to specification, taking account of the safety of personnel, plant and equipment and the protection of the environment.

Electrical Instrumentation craftspersons are employed in the installation and maintenance of measurement and control equipment in pharmaceutical, food and other industries.

The trainees will undergo a 5 year program of blended training. The trainees will be trained via the following methods.

- On the job supervised craft training.
- On the job GMP and EHS training
- On the Job biologic manufacturing training principles
- On the job craft training
- Off the Job college craft training
- Part time College training during year 5 at IT (TBD)

Upon completion of the 5 year training program the candidates will be qualified E&I craftsmen under the state sponsored standards based apprentice training program. It is anticipated that the trainees will attain relevant supplementary biopharmaceutical or trade affiliated qualification within the 5 year training program.

Selection

Candidates will be selected from applicants who have completed Leaving Cert including Math's (with at least a grade C3 in Ordinary Level Math's) and preferably Physics.

The candidates will be employed by NIBRT to support the NIBRT site. The trainee may be required to work in other facilities on work experience in Ireland to gain exposure to technologies and environments beneficial to the overall formation of a well-rounded craftsman.

The candidates will be selected following an interview supervised by NIBRT plant manager, Engineer and technician.

Year 1 training

The first year of the training is a blend of on the job supervised training and part time college training in IT (TBD). The on the job training will include exposure to the following.

- NIBRT site safety modules delivered via on line material and instructor lead material.
- Good manufacturing Practice (cGMP) and Good documentation Practice (GDP) modules delivered via on line material and instructor lead material.
- Introduction Micro lab work experience 6 weeks.
- Introduction to manufacturing techniques 6 weeks.
- Assist NIBRT E&I technicians in the facilities department for instrument calibration tasks. 16 weeks.
- Assist NIBRT E&I technicians in the facilities department for rounds and readings and preventive Maintenance tasks. 8 weeks.
- Complete Facilities instrumentation verification tasks under the direct supervision of NIBRT site engineer. 12 Weeks.
- Participate in the annual NIBRT facilities shutdown 2 weeks.

Year 2 training

The second year of the training is a blend of on the job supervised training and full time off the job college craft training in a designated FAS training Facility. The second year of training will include exposure to the following.

- NIBRT site safety modules delivered via on line material and instructor lead material.
- Assist NIBRT E&I technicians in the facilities department for instrument calibration tasks. 10 weeks.
- Assist NIBRT E&I technicians in the facilities department for rounds and readings and preventive Maintenance tasks. 6 weeks.
- Complete Facilities instrumentation verification tasks under the direct supervision of NIBRT site engineer. 6 Weeks.
- Attend a designated FAS craft training facility full time to complete phase 2 of the standards based apprentice training program for electrical and instrumentation (E&I) . 26 weeks.

Year 3 training

The third year of the training is a blend of on the job supervised training and full time off the job college craft training in a designated FAS training Facility. The third year of training will include exposure to the following.

- NIBRT site safety modules delivered via on line material and instructor lead material.
- Assist NIBRT E&I technicians in the facilities department for instrument calibration tasks. 10 weeks.
- Assist NIBRT E&I technicians in the facilities department for rounds and readings and preventive Maintenance tasks. 6 weeks.
- Complete Facilities instrumentation verification tasks under the direct supervision of NIBRT site engineer. 6 Weeks.
- Attend a designated FAS craft training facility full time to complete phase 5 of the standards based apprentice training program for electrical and instrumentation (E&I) . 26 weeks.

Year 4 training

The fourth year of the training is a blend of on the job supervised training and full time off the job college craft training in a designated FAS training Facility. The fourth year of training will include exposure to the following.

- NIBRT site safety modules delivered via on line material and instructor lead material.
- Assist NIBRT E&I technicians in the facilities department for instrument calibration tasks. 10 weeks.
- Assist NIBRT E&I technicians in the facilities department for rounds and readings and preventive Maintenance tasks. 6 weeks.
- Complete Facilities instrumentation verification tasks under the direct supervision of NIBRT site engineer. 6 Weeks.

- Attend a designated FAS craft training facility full time to complete phase 6 of the standards based apprentice training program for electrical and instrumentation (E&I) . 13 weeks.

Year 5 training

The fifth year of the training is a blend of on the job supervised training and part time off the job college craft training. The fifth year of training will include exposure to the following.

- NIBRT site safety modules delivered via on line material and instructor lead material.
- Assist NIBRT E&I technicians in the facilities department for instrument calibration tasks. 30 weeks.
- Complete Facilities instrumentation verification tasks under the direct supervision of NIBRT site engineer. 6 Weeks.

Management and supervision of apprentices and trainees

The apprentices will be hired by NIBRT to work exclusively for NIBRT on designated NIBRT sites. The cost of the program will be entirely paid for by NIBRT. NIBRT will manage the training program from selection through to completion of all training. Individual segments of the apprentice training program will be supervised by NIBRT craftsmen. Apprentice progress assessment and evaluation for on the job activities will be managed by NIBRT with input from NIBRT craftsmen and NIBRT plant manager. The apprentices will be hired by NIBRT on a 5 year fixed term employment contract.

Further information

Please visit the following link to view the SOLAS apprenticeship page
<http://apprentices.ie/service/electrical-instrumentation/>

To apply for this position email your CV and covering letter, in a single combined PDF document, to Ms. Barbara Keegan, HR Officer, careers@nibr.ie

NIBRT is an equal opportunities employer.