

CAREER OPPORTUNITY

The Council for Scientific and Industrial Research (CSIR) is a leading scientific and technology research organisation, implementing projects throughout Africa and making a difference in people's lives.

Opto-mechanical Engineer

About the job:

The CSIR has a vacancy for an **Opto-mechanical Engineer** in the Opto-Mechatronics research group, with the Defence, Peace, Safety and Security unit. The purpose of this role is to develop opto-mechanical subsystems and to provide input into fine mechanics and optics within the Opto-Mechatronics research group, towards leading edge technology and research. This position is based in Pretoria.

Key responsibilities

- Design of optical, opto/elctro-mechanical systems or subsystems, including engineering drawings and configuration management thereof;
- Design and implement precision drive trains;
- Perform general mechanical engineering design, construction and integration;
- Conduct basic strength of materials analysis of components;
- Manufacture and source components;
- Assemble, integrate and test systems and subsystems.

Qualifications, skills and experience

- A Bachelor's degree in mechanical engineering or specialization in aptitude for fine mechanics and optics with at least three years' experience in the following:
 - Precision-mechanical design;
 - Electro-mechanical design;
 - Integration and analysis or a track record indicating the ability to contribute in fine mechanics;
 - Machining workshop experience.
- Understanding of and the application of materials fundamentals, fine mechanics, optics opto-mechanics and electro-mechanics and high quality standards;
- Knowledge and understanding of new techniques and new materials within the field of opto-mechanics and electro-mechanics;
- Able to conduct field testing and contribute towards physical involvement in projects;
- Understanding and application of project and task scope; cost estimation; time lines and demonstrated ability to plan activities;
- Good interpersonal, communication and presentation skills;
- Good report writing skills.

South African citizenship and security clearance are required for this position.

Should you meet the above requirements, please email your CV to jobapplications@csir.co.za with your name and surname, position title and reference number in the subject line, **(e.g. John Smith: Opto-mechanical Engineer: Reference No: 307770)**

Closing date: 05 March 2017

PLEASE NOTE THAT FEEDBACK WILL BE GIVEN TO SHORTLISTED CANDIDATES ONLY.

For more info, please contact the CSIR Recruitment Centre on **012 841 4774** or email us at Recruitmentinfo@csir.co.za

*The CSIR is an equal opportunity employer. As such, it is committed to the Employment Equity Act of 1998. By applying for this position at the CSIR, the applicant understands, consents and agrees that the CSIR may solicit a credit and criminal report from a registered credit bureau and/or SAPS (in relation to positions that require trust and honesty and/or entail the handling of cash or finances) and may also verify the applicant's educational qualifications and employment history. **The CSIR reserves the right to remove the advertisement at any time before the stated closing date and it further reserves the right not to appoint if a suitable candidate is not identified.***