



About: CSIR-Central Scientific Instruments Organisation

CSIR-CSIO, a constituent unit of CSIR, is a multi-disciplinary and multi-dimensional apex industrial research & development organisation carrying research, design and development of scientific & industrial instruments for societal, strategic and high science applications involving opto-avionics, holographic, aspheric, freeform and diffractive optics, photonics, sensors, actuators and computational instrumentation, seismic instrumentation, bio-medical and agro instrumentation, nano-science & technology.

Scaling new heights in Instrumentation

CSIR-CSIO invites applications from bright and motivated candidates for M.Tech & Ph.D. programmes (August 2018) in Engineering and Sciences under the Academy of Scientific and Innovative Research (AcSIR)

Eligibility Criteria for PhD (Sciences), Direct PhD (Sciences) and Sponsored PhD (Sciences)

PhD (Sciences)

Candidates with a Bachelor's degree in Engineering/ Technology, Medicine or Master's degree in Science with a keen sense of scientific enquiry for pursuing advanced research in frontier areas of Biological, Chemical, Physical and Mathematical & Information Sciences leading to a Ph.D. degree. The candidate should be having a valid National level fellowship (JRF/SRF of various funding agencies, e.g. CSIR, UGC, DBT, DST etc.), INSPIRE or other equivalent fellowships.

Project Assistants, Senior Research Fellows and CSIR Scientists are also eligible to apply (as per AcSIR Ordinance No. 4(5)).

Direct PhD (Sciences)

Undergraduate degree in Science or allied subjects with at least 8.5 and/or 1st rank holder in University/ Institution. Possible funding sources for students are INSPIRE, CSIR-JRF, CSIR-UGC-NET or other equivalent national fellowships.

Sponsored PhD (Sciences)

Regular: Master's degree in Science*

Direct: Undergraduate degree in Science or allied subjects with at least 8.5 and/or 1st rank holder in University/ Institution*.

*** with endorsement from Industry, Academic or Research Institutes for required academic leave and financial support during program.**

Applicants qualifying their degree in percentage shall use the formula, CGPA=(Percentage + 5) /10. Applicants with percentage ≥ 95%, shall fill 10 CGPA.

Eligibility Criteria for PhD (Engineering) and Integrated Dual-Degree PhD (IDDP) Program

Ph.D in Engineering

- I. A Master's degree in Engineering or Technology following a four-year engineering/technology or 4/5 year science degree; or an integrated minimum-5-year M Tech degree; or equivalent and
- II. At least one of the following
 - a) Awarded a national-level fellowship (such as NET JRF) tenable at CSIR institutes
 - b) Meeting all the conditions required for eligibility for the CSIR-SRF
 - c) Meeting all the conditions for award of the INSPIRE fellowship (typically awarded to students ranked first in the University)
 - d) Meeting all the conditions stipulated by AcSIR for Project Assistants to register for a PhD
 - e) Meeting all the conditions stipulated by AcSIR for industry-sponsored* students.

Integrated Dual-Degree PhD (IDDP) Program

- I. A 4-year undergraduate degree in Engineering or Science (such as BE/B.Tech/BS), or a five year degree in Science (such as MSc), or equivalent. and
- II. At least one of the following
 - a) Awarded a national-level fellowship (such as NET JRF) tenable at CSIR institutes
 - b) Meeting all the conditions required for eligibility for the CSIR-GATE-JRF
 - c) Meeting all the conditions for award of the INSPIRE fellowship (typically awarded to students ranked first in the University)
 - d) Meeting all the conditions stipulated by AcSIR for Project Assistants to register for a PhD
 - e) Meeting all the conditions stipulated by AcSIR for industry-sponsored* students.

*** with endorsement from Industry, Academic or Research Institutes for required academic leave and financial support during program.**

These are only minimum quality yardsticks of eligibility for consideration for admission and bear no relationship with financial assistance or scholarship. Any stipend, scholarship or financial source for study would be the sole responsibility of the student. AcSIR itself does not provide any such scholarship or have any rule in these matters.

Eligibility for M.Tech (Advanced Instrumentation)

A Bachelor's degree in Engineering or Technology following a four-year engineering/technology or 4/5 year science degree or equivalent degree of not less than four years' duration and at least one of the following:

- a) Awarded a national-level fellowship tenable at CSIR institutes
- b) Qualifying all the conditions required for eligibility for the CSIR-SRF, or CSIR-GATE-JRF
- c) Qualifying the conditions for award of the INSPIRE fellowship (typically awarded to students ranked first in the University)
- d) Qualifying the conditions stipulated by AcSIR for industry-sponsored *students
- e) A valid GATE score, or CGPA ≥ 8.0 from a CFTI at the BE-level examination

*** with endorsement from Industry for required academic leave and financial support during program.**

These are only minimum quality yardsticks of eligibility for consideration for admission and bear no relationship with financial assistance or scholarship. Any stipend, scholarship or financial source for study would be the sole responsibility of the student. AcSIR itself does not provide any such scholarship or have any rule in these matters.

Areas of Research

- Avionics
- Optics & Photonics
- Nano-Science, Nano-technology & Nano-photonics
- Advanced Materials & Sensors
- Optical Devices & Systems
- Multi-sensors & Computational Instrumentation
- Seismic Sensors & Systems
- Ubiquitous Analytical Techniques
- Bio-medical Engineering & Instrumentation
- Agrionics
- Precision Mechanical Systems

Application

Interested candidates who fulfil the eligibility criteria may apply online for the M.Tech and Ph.D programmes at <http://acsir.res.in>. Select "CSIR-CSIO" as the CSIR lab preference in the pull-down menu of the application form. For more details log on to www.csio.res.in

**Last date for submission of Online Application
24th May, 2018**

Contact:

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