

CSIR Integrated Skill India Initiative

Training Course on X-ray Crystallography

CODE: IICB-XRD

CSIR-IICB offers a training course in “X-ray crystallography” to generate skilled human resources for chemical and life science sector, especially for pharmaceutical industry. The course is specially targeted to the candidates having chemical/pharmaceutical background, with a basic knowledge in chemistry.

Educational Qualifications	:	M.Sc/M.Pharm/M.S(Pharmacy) (completed or ongoing)
Venue Of the course	:	CSIR-IICB
Age Group	:	18 and above
Medium of Instruction	:	English

The course will cover-

- ✓ Training the participants on how to solve the molecular structure of “small” molecules with X-ray diffraction
- ✓ An introduction to the basics of X-ray crystallography
- ✓ Molecular structure determination from the X-ray diffraction data using SHELX suite of programs
- ✓ Training in x-ray diffraction data collection of crystals using single crystal X-ray diffractometer

Salient Features of the course:

- Training will be provided by eminent scientists of organic and medicinal chemistry background
- Exposure to all relevant instruments
- Professional skill development, case study, evaluation and certification.