

Training Programs

Chemistry

- 1. Introduction to Environmental Chemistry*
- 2. Trends in Green Chemistry*
- 3. Advanced Analytical Chemistry*
- 4. Advanced Chemical Thermodynamics and Kinetics*
- 5. Physical Chemistry*
- 6. Medicinal Chemistry*
- 7. Organometallic Catalysis*
- 8. Trends in Agro chemistry*
- 9. Concept of Biological Chemistry*
- 10. Electrochemistry*
- 11. Methods of Organic Synthesis*
- 12. Molecular Evolution*
- 13. Chemical and Molecular Modelling Process*
- 14. Chem-informatics Research*
- 15. Photo electro Chemical Cell*
- 16. Photobiology*
- 17. Advancement in Bioinformatics*
- 18. Molecular Dynamics*
- 19. Enzymology of Molecules*
- 20. Trends in Computational Biology*

Chemical

- 1. Study of metallurgical microscope*
- 2. Preparation of a specimen for metallographic examination*
- 3. Preparation and study of microstructures of pure metals.*
- 4. Continuous heat transfer.*
- 5. Chemical process design.*
- 6. Process piping design.*
- 7. Refining, petrochemicals & natural gas*
- 8. Applied chemical engineering*
- 9. Select thermodynamic models for simulation*
- 10. Chemical reaction engineering*
- 11. Pollution experiments and resources*
- 12. Water filtration experiments*
- 13. Determine the effect of a catalyst on reaction rate*
- 14. Fluid flow operation.*
- 15. Heat and mass transfer and recovery.*
- 16. E.T.P design.*
- 17. Material balance and handling.*
- 18. To study the properties of various types of plastics.*
- 19. To study crystal structures and crystals imperfections using ball models.*
- 20. To study microstructures of metals/ alloys.*
- 21. Preparation of glass fiber reinforced plastics: composites.*
- 22. Materials for photovoltaics and energy storage*
- 23. Solar cell sun tracker*
- 24. Half and full wave rectification*
- 25. Three-phase ac alternator*