

Sri Kaliswari College (Autonomous), Sivakasi
Department of Chemistry
B.Sc Chemistry (Semester) - (2018-2021)
Objectives, Outcomes, Regulation

Programme Outcome

Knowledge

PO 1: Well grounded knowledge in chosen subjects.

PO 2: Updated knowledge related to the subjects.

Skills

PO 1: Acquisition of cognitive skills

PO 2: Acquisition of Life Skills for Employment.

Attitude

PO 1: Holistic Personality Development through Self-directed and lifelong learning.

PO 2: Eco Sensitivity, inclusive culture, moral uprightless and social commitment.

Programme Objectives:

- To introduce basic ideas in chemistry to the young students.
- To provide strong foundation in the analytical technics.
- To improve the technical analysis and employability.
- To enrich their basic knowledge and applied skill in the subject for higher studies.
- To give a better training in the laboratory skills to analyse chemicals in all the fields.
- To deepen the knowledge in the course and its applications in the various fields.

Programme Outcomes:

- Developing critical thinking.
- Effective language skills for reporting, designing documentation and presentation.
- Progression to professional and higher courses.
- Equipping for employability
- Understanding the impact of environmental contexts and sustainable development.
- Acquiring values of national integrity, moral uprightness and spiritual enrichment.
- Self-directed and lifelong learning.
- Acquiring leadership.
- Qualifying for competitive examinations.

Programme specific Outcome:

- Understand the fundamental principles and concepts of organic, inorganic, physical and analytical chemistry.
- Able to handle the chemicals with the safety measures through their theoretical knowledge on properties of organic and inorganic chemicals.
- Ability to apply chemical principles to formulate and analyze a wide range of analytical and synthetic chemical compounds.
- Learn standard laboratory methods involved in synthetic, analytical and instrumental works.

- Boost the knowledge on industrial processes like paper and pulp technology, sugar technology, drug chemistry, polymer chemistry to enhance the opportunity on employability.

Regulation:

Duration of the Programme: Three years (Equivalent to six semesters)

Eligibility:

A pass in +2 examination conducted by the Board of the Higher Secondary Education, Government of Tamilnadu with Physics and Mathematics as subjects or any other examination accepted by as equivalents thereto are eligible to join this course.

Medium of Instruction : English

Age Limit:

Max age limit : 21 Years

Age Relaxation:

SC/ST/OBC/MBC/DNC & Women : 3 years age relaxation

Differently Abled Students : 5 years age relaxation

Transitory Permission:

Students joined from 2018 to 2021 may be permitted to write their examinations in this pattern up to April 2026.