

M.Sc. CHEMISTRY (SF) 2 years



Unique Features of the Programme

- To provide comprehensive expertise in both theory and practical skills.
- To enhance the learning experience with advanced equipment and hands-on training.
- To give invaluable exposure in specific research domains through Internships and research projects.
- To Empower students with discern potential career paths across diverse fields.

Highlights about the Curriculum

- Imparts fundamental and advanced principles of chemistry - featuring core courses in Inorganic, Organic, and Physical chemistry.
- Interdisciplinary aspects - Green Chemistry, Nano Chemistry, and Electrochemistry are emphasized.
- Analytical Techniques and Instrumentation courses enhance students' proficiency in analytical aspects.

Expertise of the Faculty members

- The Chemistry Department features distinguished faculty in Organic, Inorganic, Physical, and Applied Chemistry, fostering a dynamic learning environment.
- Their commitment to excellence ensures to bring the program at the forefront of academic and scientific development.

Key Benefits

- Chemistry graduates exhibit critical thinking, scientific, and analytical expertise, excellence in problem-solving and decision-making.
- Their robust scientific and technical expertise, combined with interdisciplinary knowledge, positions them as skilled professionals contributing significantly across diverse scientific domains.

Student Life

- PSGRKCW is the residence to a vibrant and diverse student community, providing a range of clubs to nurture leadership and entrepreneurship skills.

Chemical Society

- To foster enthusiasm for active engagement in chemistry, the department organizes diverse activities through the Chemical Society.
- Comprises invited lectures, seminars, and video conferences featuring experts from industry and academia.
- Workshops and symposia offer valuable insights into current research trends.
- Students acquire practical exposure through field trips to chemical plants, laboratories, and research institutes.

Career Opportunities

- Scientific knowledge and practical skills – diverse roles like Quality Controller, Chemical Analyst, Research Associate, Project Assistant, and Environmental Chemist.
- Promising opportunities in industries – Cosmetics, Pharmaceuticals, Paints, Textiles, Energy, and Petroleum & Oil refineries.

Placement & Higher Studies

- Doctoral studies open avenues for chemistry graduates to enhance understanding, conduct research, and excel in leadership roles in the scientific community.
- Graduates pursue advanced studies at prestigious institutions like IITs, NITs, IISERs, IISc, CFRIs, Central/State Universities, and international institutions/universities, supported by various fellowships and scholarships.

International study abroad opportunities

- Abroad opportunities – Programmes like Erasmus Mundus Joint Master Degrees (EMJMD), Fulbright scholarships, and DAAD scholarships.
- Summer schools and workshops focused on specialized chemistry topics, cultural exchange, and research collaboration.

Internships

- To apply theoretical knowledge in real-world contexts.
- Summer Research Fellowships – INSA-IASc-NASI, IIT, IISc, CIPET.

Alumni Success



Ms. S. Sureka (2018–2020)
R&D Chemist,
Polymer Source, Quebec
Canada



Ms. K. Lavanya (2017–2019)
Doctoral Student
Warsaw University
Poland



Reach Us at:

PSGR Krishnammal College for Women

Peelamedu, Coimbatore-641 004, Tamil Nadu, India

Phone: +91 422 429 5860/429 5959

Email: principal@psgrkcw.ac.in | www.psgrcw.ac.in

