



Department of Chemistry
Y.A. Government College for Women
Chirala - 523155, A.P.
Re-accredited with 'B' grade by NAAC



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<https://yagcwchirala.ac.in>

B.Sc (CHEMISTRY) PROGRAMME SPECIFIC OUTCOMES

1. The students after completing course at graduation level in chemistry will develop an understanding of major concepts, theoretical principles and experimental findings in chemistry.
2. They will have an ability to work effectively in diverse teams in both classroom and laboratory.
3. They are able to employ critical thinking and efficient problem solving skills in the four basic areas of chemistry (analytical, inorganic, organic, and physical).
4. They are able to conduct experiments, analyze data, and interpret results, while observing responsible and ethical scientific conduct.
5. The students have effective written and oral communication skills, especially the ability to transmit complex technical information in a clear and concise manner.
6. They are able to use modern library searching and retrieval methods to obtain information about a topic, chemical, chemical technique, or an issue relating to chemistry.
7. They know the proper procedures and regulations for safe handling and use of chemicals and can follow the proper procedures and regulations for safe handling when using chemicals.
8. They are able to understand the ethical, historic, philosophical, and environmental dimensions of problems and issues facing chemists.
9. They find employment in industry or government or find employment in school systems as instructors or administrators.
10. They are able to understand the chemical basis for biological phenomena and cellular structure and how physiological conditions influence the structures and reactivities of biomolecules.
11. They have an idea of the chemical properties of amino acids, cofactors, sugars and the basic principles of protein and polysaccharide structure.
12. Academic and Professional Integrity-students will demonstrate awareness and understanding of the ethical standards of their academic discipline and/or profession.
13. They are familiar with application of safety and chemical hygiene regulations and practices.