



S.I.W.S.

**N. R. SWAMY COLLEGE OF COMMERCE & ECONOMICS &
SMT. THIRUMALAI COLLEGE OF SCIENCE**

Plot No. 337, Sewree - Wadala Estate,
Major R. Parameshwaran Marg, Wadala, Mumbai - 400 031

Department of Chemistry

B.Sc. (Chemistry) - Program Outcome

1. Chemistry assumes a pivotal position amongst various disciplines of sciences as it is complimentary to physical as well as biological studies. Sound knowledge of chemistry would provide a synergistic benefit to all students
2. This will introduce students to the trendy topics in modern chemistry such as nanosciences and superconductivity and green chemistry
3. The learners will independently be able to interpret spectra and characterize organic compounds as well as inorganic ions
4. They will develop a clear understanding about the modern periodic table and the correlation between electronic configuration and chemical behavior of elements
5. This program offers a job oriented hands-on training in the practical use of a variety of instruments such as conductometry, potentiometry, flame photometry, polarography, pH metry etc. as well as conventional titrimetric methods
6. The students will get comprehensive knowledge about various chemotherapeutic and pharmacodynamic agents efficacious in the treatment of various ailments
7. Students will be exposed to hardcore fundamental chemistry topics such as stereochemistry, crystallography and thermodynamics to give them a robust footing
8. This curriculum will inculcate in students a spirit of inquisitiveness into the fundamentals of chemistry in particular and science in general
9. It will provide a firm base of knowledge which would help them in various competitive exams, higher studies and research
10. This program will offer a balanced education of sound theoretical base as well as proficiency in practical experimentation that will improve their employability in chemical industry