

Tarakeswar Degree College
Tarakeswar, Hooghly, 712410

Programme Outcome of B.Sc. (General) Science

1. **Basic Knowledge of Science:** Students acquire fundamental knowledge of science, enabling them to comprehend the multitude of occurrences transpiring in their immediate environment.
2. **Development of Disciplinary Expertise and Knowledge:** To attain a profound apprehension and holistic understanding of significant ideas, theoretical tenets, and empirical discoveries in the realm of science and its various subdivisions, one must delve into comprehensive learning. This encompassing knowledge should extend to broader interdisciplinary branches including physics, chemistry, zoology, botany, mathematics, computer science, and more.
To enhance aptitude for utilizing contemporary instrumentation in order to leverage advanced technology.
3. **Formulating Real Time Solutions:** It is essential to create a thorough approach using real-time solutions. By the conclusion of the program, participants will gain the ability to generate successful resolutions for complex problems and establish customized procedures to meet specific needs.
4. **Managing Unanticipated Circumstances:** Basic scientific knowledge enables individuals to effectively handle unexpected incidents in their community, such as sudden chemical explosions, the misuse of hazardous substances, excessive rainfall, or drought. By possessing a fundamental understanding of science, individuals are equipped to effectively manage these situations.
5. **Environmental Awareness:** Nowadays, the primary focus of society lies in addressing environmental pollution. It is crucial for students to raise awareness among the community regarding the detrimental pollutants and their impact on the environment as a whole, as well as their specific effects on human health.
6. **Effective Communication Skills:** By the conclusion of the program, participants will possess the skills to engage in both oral and written communication. They will demonstrate their ability to think critically and operate autonomously. Moreover, learners will be proficient in effectively communicating scientific matters with both the scientific community and society as a whole. This will be achieved through the creation of well-crafted reports and documentation, delivering impactful presentations, and effectively giving and receiving instructions.
7. **Employability:** Given the diverse range of long-term professional goals our learners have, many are attracted to professions that demand scientific skills, technical expertise, or strong quantitative reasoning abilities. Consequently, upon

completing the program, students will enhance their employability by acquiring subject knowledge and additional skills.

8. **Soft Skill Development:** In addition to gaining knowledge and practical skills, learners must also develop soft skills and values to function effectively in diverse teams. These skills include leadership, teamwork, project management, positive mindset, innovative thinking, and effective communication. Upon completion of this program, students can refine these skills to enhance their academic, professional, and personal endeavors, contributing to personal growth and societal progress.
9. **Ethical Development:** By the conclusion of this program, students will possess the capability to cultivate, assimilate, and implement ethical principles in both their professional and personal endeavors.