

## **Bachelor of Science (BSC)**

**Course Overview Institution: St. Anne's First Grade College for Women**

**Program Duration: 3 Years (6 Semesters)**

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### **Semester 2**

#### **Physics-II**

Physics-II is an advanced study of physics, building on foundational concepts to explore more complex phenomena. It often includes topics like electromagnetism, wave optics, thermodynamics, and modern physics. By applying mathematical models and experimental methods, it deepens the understanding of physical laws and their applications in technology and engineering.

#### **2. Chemistry-II**

Chemistry-II delves into more complex chemical principles and reactions. It typically covers areas such as organic chemistry, physical chemistry, and analytical techniques. Students learn about reaction mechanisms, molecular structures, spectroscopy, and chemical kinetics, equipping them with deeper insights into chemical processes and their real-world applications.

#### **Mathematics-II**

Mathematics-II builds on basic mathematical principles to introduce advanced topics such as calculus, linear algebra, and differential equations. It emphasizes problem-solving and analytical reasoning, providing essential tools for modeling real-world phenomena in physics, engineering, and computer science.

#### **Biology**

Biology is the scientific study of life and living organisms. It explores the structure, function, growth, evolution, and classification of life forms. From molecular biology to ecology, this subject helps us understand the complexity of life, human anatomy, and the interdependence of ecosystems.

## **Communication Skills**

Communication Skills focus on the ability to convey ideas effectively through speaking, writing, and non-verbal methods. It encompasses listening, public speaking, interpersonal communication, and technical writing. Mastering these skills is essential for personal and professional success, fostering clear and impactful interactions.