

## **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 1**

#### **Physics**

Physics is the study of matter, energy, and the fundamental forces of nature. It seeks to understand how the universe behaves, from the smallest particles to the largest galaxies. By exploring concepts like motion, energy, gravity, and electromagnetism, physics helps us comprehend natural phenomena and develop technologies that shape our modern world.

#### **Chemistry**

Chemistry is the science of substances and their interactions. It explores the composition, structure, properties, and changes of matter. From the bonding of atoms to the formation of complex compounds, chemistry plays a vital role in understanding the material world. It has applications in medicine, industry, environmental science, and everyday life.

#### **Mathematics**

Mathematics is the language of patterns and logic. It provides the tools to analyze quantities, structures, and relationships, enabling problem-solving across various fields. From arithmetic to calculus, algebra to geometry, mathematics forms the foundation for scientific discoveries, engineering innovations, and financial systems.

#### **Environmental Studies**

Environmental Studies focuses on the relationship between humans and the natural world. It examines how ecosystems function, the impact of human activities on the environment, and sustainable ways to manage natural resources.

By understanding environmental challenges, we can develop solutions to protect biodiversity and ensure a sustainable future.

## **English**

English is a global language that facilitates communication and cultural exchange. It encompasses literature, grammar, writing, and spoken skills, fostering effective expression and comprehension. Mastery of English enhances critical thinking and opens opportunities in education, business, and global interactions.