

# Syllabus for Biophysics Master's

## Section 1: Subject Knowledge

Please Note: A Total of 40 Questions will be asked, combining the following topics, with the difficulty level commensurate to a Master's Candidate.

Unit I: Molecular Biophysics

Unit II: Physical Method in Biology

Unit III: Introductory Biology, Chemistry and Physics

Unit IV: Mathematics and Statistics for Biophysics

Unit V: Biochemistry and Molecular Biology

Unit VI: Photo-Biophysics, Radiation & Environmental Biophysics

Unit VII: Cellular Biophysics and Bioenergetics

Unit VIII: Membrane Biophysics and Neurobiophysics

Unit IX: Physiological biophysics

Unit X: High-throughput screening campaign tests

## Section 2: Fundamental Skills

Please Note: A Total of 24 Questions will be asked, combining the following topics, with the difficulty level commensurate to a Master's Candidate.

Unit I: Data Analysis

Unit II: Math and Statistics

Unit III: Lab skills

Unit IV: Reading and Writing

## Section 3: Specific Skill Proficiency

This section has more than 30 skills. You can select the ones you are proficient in from the enrollment form. You can choose a maximum of 4 skills. Each skill contains 10 questions.