

## OFFLINE ADMISSION NOTICE

### **M.Sc. (COMPUTATIONAL AND SYSTEMS BIOLOGY AND BIOINFORMATICS)**

Offline Applications are invited for Admission in course M.Sc. (Computational and System Biology and Bioinformatics) for session 2021-22.

#### **About the program**

Computational and Systems Biology is a multidisciplinary program that combines the application of Computer technology to the management and analysis of biological data, develop new algorithms and software, and use the software for the interpretation and analysis of the data into meaningful biological and biomedical information. The focus area of research at Jamia Hamdard includes Systems and Network Biology and Medicine, Comparative Genomics, Disease gene mapping, Structural Biology, In silicon drug design and vaccine design, Molecular medicine, Metabolic pathway studies, Biological evolution, Modelling biological systems, Data mining and analysis of large scale data, Biophysics, Complex systems, Big data analysis, Machine Learning applications for biological and medical and analysis, Pattern recognition, Data Science, Artificial intelligence, Engineering biological pathways, Study of dynamical patterns, Dynamical network theory, Electronic representation of biological modules, Modelling disease dynamics and epidemic - Modelling and analysis of disease spreading models, namely, SI, SIR, SEIR, etc.

#### **Career opportunities:**

With a degree in CSB and right training, a person can work in the commercial (software companies, pharmaceutical, biotechnology, medicine, life sciences and other), academic and government domains. Job profiles include, but not limited to, Bioinformatics Software Developer, Research scientist / Associate, Network Administrator / Analyst, Computational Biologist, Database Programmer, Science Technician, Pharmacogenomics.

#### **Eligibility:**

Minimum 55% marks in Bachelor's Degree Program in Computational Biology, Bioinformatics, or any branch of Basic/Applied Sciences or Technology, including Life Sciences, Medicine, Pharmacy, Agriculture, Engineering, Computer Science & Engineering, and allied disciplines.

#### **Selection Procedure**

Selection is on the basis of merit of Qualifying Examination

#### **How to Apply:**

Interested Candidates can send their Application along with Marksheet of Qualifying Examination to following **Email [Id-jahmed2047@jamiahamdard.ac.in](mailto:Id-jahmed2047@jamiahamdard.ac.in)**

**Last Date to Apply is 14<sup>th</sup> February 2022**

For any query, contact- **Dr. Jawed Ahmed- 9999340986**