

Sample SOP for Biotechnology

In this technology-driven world, science and engineering change based on contemporary needs. Many revolutions in the field of biotechnology have taken place. Many scientists have made incomparable contributions, and at the same time, they have showcased a path for the next generation to experiment and invent new technologies. To go in tandem with this rapidly changing environment, I want to equip myself with the necessary knowledge, skills, and experience from academicians, researchers, and practitioners.

Many passed-out students from Arts and Science colleges acquire good CGPA and GPA. They also attain specialisation in complex subjects like Cell Biology, Microbiology, Bioinformatics, Biochemistry, Genetics, etc., yet do not possess the experience to apply them in practice. They lack practical knowledge. Even though they maintain excellent academic records, they get confused when it comes to working. Unlike other fields, a Biotechnologist must have capabilities to research, teamwork, time management and critical thinking. So I need to learn the much-needed knowledge and expertise and aim to achieve global standards. This Two Year Post Graduate Program in Biotechnology and Enterprise is offered by the University of Manchester. It covers advanced learning, various engineering models, international obligations, challenges, and more. Additionally, supplementary programs like core entrepreneurship, commercialization, and international property rights hone the students' business skills. Nevertheless, this jam-packed course will help me understand how the overall biotechnology industry performs and will take me one step closer to my goals.

The MS in Biotechnology and Enterprise course is curated exclusively to make students understand how to transform scientific discoveries into commercial products with the help of research and business knowledge. On top of that, students must have studied how scientific discoveries change into a business plan for many start-ups and the effects of AI contribution. This wide variety of concepts will lay a strong foundation in Advanced Biotechnology, expand my horizon, and enhance my skills to the next level. Hence, despite different nations,

cultures, laws, and ideologies, this postgraduate course will enable me to provide desired results wherever I go.

My educational qualifications comprise a Bachelor of Science in Microbiology from the University of Delhi and a Master's degree in Microbiology from the University of Delhi. Other than semester exams, I have enrolled myself in various activities. I have actively participated in regional and international conferences organised by the University of Oxford and published a detailed research paper on "How the Covid-19 pandemic transformed the branch of Microbiology?" As I embarked on discussions with like-minded people, conferences, lectures, and programs, I became aware of Biotechnology and its significance in medicine. It led in search for the best courses across the globe. Fortunately, I found the course offered at the University of Manchester. It is considered one of the best in the UK for its lab-based research projects, internships, and comprehensive syllabus. This training program also encourages students to implement what they have acquired in class and explore diverse career prospects.

Till now, I have gathered more insights about Enzymes, Microbial fermentation, and Bioreactors in both undergraduate and postgraduate. In my Master's degree, I understood how living organisms help to create vaccines and treatments for diseases. However, I admit that I don't know how to combine this knowledge and skills in all these fields and practise them in the contemporary world.

Overall, the MS program in Biotechnology and Enterprise is one of the sought-after courses in the UK. The professors teaching at the University of Manchester are highly experienced and have international exposure. One of the alumni mentioned that the staff would be supportive and guide students to choose various avenues related to Biotechnology. Thus, this new branch of studies will create an irreplaceable impact on my career and allow me to accelerate to new heights. With all being said, I am confident that through this course, I can add value to the institute and the business world.