University of Southern California  
School of Pharmacy  

Biopharmaceutical Sciences (BS/BA)  
Program Learning Objectives

The purpose of the USC School of Pharmacy undergraduate program in Biopharmaceutical Sciences (BPS) is to prepare graduates for graduate work in pharmacy, medicine, dentistry, other healthcare related fields, or professional careers within biopharmaceutical research and development. The program aims to provide skills in pharmaceutical sciences, business, marketing, product development and lifecycle, and medical product development and use, through coursework and independent research. BPS graduates might be employed at leading research universities, in the pharmaceutical industry, government, or in any research-centric arena.

BPS undergraduate students enrolled in the program will be able to:

- Enhance student education with a broad background of courses in Pharmaceutical Sciences to enable application across real-world problems in drug development
- Apply the principles and theories related to the pharmaceutical sciences and acquire the knowledge, skills, and attitudes for this profession
- Integrate the current methods being utilized in genomics, molecular / cellular biology, pharmacoeconomics, and Big Data capabilities into new understandings of pharmaceutical sciences
- Incorporate and advance current knowledge in traditional pharmaceutical sciences
- Train students interested in pursuing future academic opportunities in the health sciences
- Produce and interpret research outputs with relevance to pharmaceutical, pharmacoeconomic, medical, regulatory, and healthcare projects
- Coursework for the BS meet course prerequisites necessary for applying to Medical, Pharmacy, Dentistry, and other professional training programs
- Coursework for the BA provides a more general education and will be beneficial for graduate school programs or direct career pathways