

University of Southern California
VITERBI SCHOOL OF ENGINEERING

Bachelor of Science in Chemical Engineering (All Emphases)
Program Learning Objectives

The purpose of the USC Viterbi School of Engineering Bachelor of Science program in Chemical Engineering is to produce graduates who are broadly educated as well as highly adaptable. Chemical Engineering is the only engineering discipline that makes extensive use of chemical transformations (reactions) in addition to physical transformations (refining, molding or machining) to achieve added value. Thus, we strive to prepare students to be employed in a wide variety of manufacturing industries, from the basic chemical, materials, energy, food, pharmaceutical and microelectronics industries to the myriad consumer product industries. The following learning objectives apply to all areas of emphasis within the Bachelor of Science degree program in chemical engineering:

- Upon completion of the USC Bachelor of Science degree program in Chemical Engineering, students will be able to obtain employment in organizations where physical, chemical or biochemical transformations are utilized to produce products and services that benefit society.
- Upon completion of the USC Bachelor of Science degree program in Chemical Engineering, students will be able to pursue graduate or professional education in a variety of related fields.
- Upon completion of the USC Bachelor of Science degree program in Chemical Engineering, students will be able to engage in continuous personal and professional development through life-long learning.
- Upon completion of the USC Bachelor of Science degree program in Chemical Engineering, students will be able to assume roles of significant professional responsibility in their employment organization.