

Program Educational Objectives for the School of Biomedical Engineering, Science and Health Systems Undergraduate Program

PEO – Professional Presence. As a result, within a few years, the graduate has established an Internet presence, either through professional organizations, social networking and/or other activities which demonstrate an appreciation and use of modern technological capabilities.

PEO – Workforce Skilled in Integrating Engineering, Design, and Life Sciences

As a result, graduates will identify opportunities to contribute to society from a variety of positions, ranging from biomedical engineering, biotechnology design and development to practicing physicians, lawyers, innovators, entrepreneurs and business managers. The graduate may also pursue further education in the form of graduate and professional degrees.

PEO - Leadership in Research, Innovation and Design. As a result, within a few years of graduation, the graduate will have made significant or meaningful contributions in his or her chosen field, either through research publications and/or presentations, the development of a product or process, obtaining patents for new products and/or processes, or other evidence of contributing to the advancement of knowledge, particularly in fields integrating engineering and the life sciences.

PEO – Ethical Reasoning, Behavior and Professionalism. As a result, within a few years of graduation, the graduate will demonstrate adherence to the professional codes of conduct appropriate to his or her field of study and/or practice, as well as exhibit behavior consistent with accepted standards of fiduciary responsibility, risk/benefit analysis and professional accountability

PEO - Communication. As a result, graduates will have outstanding communication skills as evidenced by their professional presentations, and in their productive interactions with co-workers. The graduates may also use their communication skills to foster collaborative effort among co-workers and/or may represent his or her company, institution and/or laboratory to other interested parties.

PEO – Personal Engagement . As a result, within a few years, the graduate will be working independently and in diverse groups to effectively and efficiently achieve personal and organizational goals, engage in community or public service, create a product or process that fills a social need, and/or participate in educating individuals about an issue of societal concern.