

GSS Program-Specific Questions Form

Program Mission:

The mission of the Bioengineering Department is to pursue excellence in bioengineering education, research and innovation, and to train future leaders for a wide range of bioengineering careers that benefit society by producing graduates who are well grounded in the fundamental sciences, adept critical thinkers, and highly proficient in the use of rigorous analytical engineering tools and technologies needed for lifelong success.

The Doctoral Program in Interdisciplinary Studies with Specialization in Translational Bioengineering (ISSTBE) through the Graduate School involves a partnership with the Speed School of Engineering, the Schools of Medicine and Dentistry and College of Business at the University of Louisville. The ISSTBE program will enable students to pursue one of three tracks: traditional bioengineering research, clinical translational research or advancing bioengineering technologies through entrepreneurship. The proposed program objectives are to:

- 1) train highly motivated graduate students with focus on clinical research as part of a multidisciplinary team in a fast-paced, interdisciplinary research environment; and,
- 2) develop students with the bioengineering expertise and practical experience to lead research and development of clinical translational technology as independent investigators in academia, industry, and government and/or advance bioengineering technologies through start-up companies.

Questions

1. **Question:** How effective was this program in providing you with an ability to design and conduct original research leading to a unique intellectual contribution to the field?
2. **Question:** How effective was this program in providing you with in-depth knowledge of their chosen bioengineering concentration area (Bioelectronics and Biomedical Devices/ Bioimaging and Biocomputational Modeling/ Biomechanics and rehabilitation/ Molecular and Tissue Engineering) and associated scientific literature?
3. **Question:** How effective was this program in providing you with an understanding of the clinical relevance and ethical implications of their research?
4. **Question:** How effective was this program in providing you with an ability to critically analyze, evaluate and interpret research methods and findings?
5. **Question:** How effective was this program in providing you with an ability to effectively communicate knowledge of their concentration area and research orally and in writing?