BIOENGINEERING

OVERVIEW

The Bioengineering Ph.D. is an interdisciplinary graduate degree that leverages the close proximity on campus of the School of Engineering and the Medical School. The program is administered by the School of Engineering with strong involvement of the College of Medicine, and has a particular focus on complex systems. Students take courses in both the STEM disciplines and the biomedical sciences, including a core of required courses and a selection of electives as suits their research interests. Co-mentoring between faculty in engineering and the biomedical sciences is encouraged.

DEGREES

- Bioengineering Ph.D.

FACULTY

Bates, Jason H. T.; Professor, Department of Medicine-Pulmonary; DSc, Canterbury University
Bentil, Daniel E.; Associate Professor, Department of Mathematics and Statistics; DPHIL, University of Oxford
Berger, Christopher Lewis; Associate Professor, Department of Molecular Physiology and Biophysics; PHD, University of Minnesota Twin Cities
Beynnon, Bruce David; Professor, Department of Orthopaedics and Rehabilitation; PHD, University of Vermont
Cipolla, Marilyn Jo; Professor, Department of Neurological Sciences; PHD, University of Vermont
Dubief, Yves C.; Associate Professor, School of Engineering; PHD, Institut National Polytechnique de Grenoble
Dunlop, Mary J.; Assistant Professor, School of Engineering; PHD, California Institute of Technology
Eppstein, Margaret Jean; Associate Professor, Department of Computer Science; PHD, University of Vermont
Henry, Sharon Margaret; Professor, Department of Rehabilitation and Movement Science; PHD, University of Vermont
Hitt, Darren Lee; Professor, School of Engineering; PHD, Johns Hopkins University
Huston, Dryver R.; Professor, School of Engineering; PHD, Princeton University
Krag, Martin Hans; Professor, Department of Orthopaedics and Rehabilitation; MD, Yale University
Marshall, Jeffrey Scott; Professor, School of Engineering; PHD, University of California Berkeley
Oldinski, Rachael Ann; Assistant Professor, School of Engineering; PHD, Colorado State University
Rizzo, Donna Marie; Professor, School of Engineering; PHD, University of Vermont
Spector, Peter Salem; Professor, Department of Medicine-Cardiology; MD, Albert Einstein College of Medicine
Warshaw, David Michael; Professor, Department of Molecular Physiology and Biophysics; PHD, University of Vermont
Wu, Jun-Ru; Professor, Department of Physics; PHD, University of California Los Angeles
Yu, Jun; Professor, Department of Mathematics and Statistics; PHD, University of Washington Seattle

Courses

BIOE 391. Master’s Thesis Research. 1-18 Credits.
BIOE 395. Special Topics. 1-18 Credits.
See Schedule of Courses for specific titles.
BIOE 396. Special Topics. 1-18 Credits.
See Schedule of Courses for specific titles.
BIOE 491. Doctoral Dissertation Research. 1-18 Credits.