Bioengineering (PhD)

https://bioengineering.uoregon.edu/phd_program (https://bioengineering.uoregon.edu/phd_program/)
Jenni Van Wyk, Student Recruiter & Advisor

Knight Campus, Rm 261
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Earn a dual-shield degree from the University of Oregon (UO) and Oregon State University (OSU) with full access to the world-class facilities and resources at both universities. Make impactful and innovative discoveries at the forefront of bioengineering research in areas like regenerative medicine, synthetic biology, biosensors, and devices. Engage in an immersive curriculum, high impact research opportunities, and targeted research and career training programs that will take your science, and your career, to the next level.

A master of science degree is only attainable as part of the doctoral program, not as a standalone master's degree.

Program's Admission Requirements

Please visit the program's website (https://advanced.oregonstate.edu/portal/BioE/). Note, the program also adheres to the UO and OSU Graduate School admissions requirements.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Scholarship: The student will be able to identify and conduct original research resulting in a significant contribution to knowledge in the fields spanned by Bioengineering and to effectively communicate this work to a technically literate audience.
- Mastery of Subject Material: The student will be able to think critically, creatively and to address technical problems in the fields spanned by Bioengineering. The student will be able to plan and conduct research and entrepreneurial activities that leads to translation of research discoveries to solutions that meet societal needs.
- Ethical Conduct: Students will be educated in ethical and responsible conduct in research and professional activities.

Doctor of Philosophy in Bioengineering

Code	Title	Credits
Core Course Requirements		
Technical Core Courses		7-8
Select two of the following:		
BIOE 610	Experimental Course: [Topic] (UO - Cellular and Tissue Engineering)	
BIOE 610	Experimental Course: [Topic] (UO - Modeling of Physiological Systems)	
BIOE 610	Experimental Course: [Topic] (UO - Applied Biostatistics)	
Innovation & Entrepreneurship Core Courses (Complete both)		6
BIOE 610	Experimental Course: [Topic] (UO - Technology Ventures: From Concept to Commercialization)	
BIOE 513	Drug and Medical Device Regulation (OSU course)	
Career Acceleration Course Series		**4**
BIOE 610	Experimental Course: [Topic] (Ethical Considerations in Research and Innovation)	
BIOE 610	Experimental Course: [Topic] (Science Communication & Design Thinking)	
BIOE 610	Experimental Course: [Topic] (Writing for Impact)	
BIOE 610	Experimental Course: [Topic] (Grant and Proposal Writing)	
Technical Electives		**10**
Research or Other Graduate Courses		**45**
Dissertation		**36**
BIOE 603	Dissertation	
Total Credits		**108-109**