

**KU** BIOENGINEERING  
GRADUATE PROGRAM  
The University of Kansas

**Master of Science in Bioengineering**  
**Track: Biomechanics & Neural Engineering**

Students entering FA15 to present

Track Co-Director: Jessie Huisinga, Ph.D. ([jhuisinga@kumc.edu](mailto:jhuisinga@kumc.edu)) and Suzanne Shontz, Ph.D ([shontz@ku.edu](mailto:shontz@ku.edu))

**CORE** 6 hours required

CPE 756	Intro to Bioengineering (3)
BIOE 800	Bioengineering Colloquium (.5) (2 total hours req)
BIOE 801	Responsible Conduct of Research in Engineering (1)

**DEPTH** 9 hours required

Biomechanics (3 courses min)

*Choose appropriate courses with advisor from the following list:*

ME 633	Basic Biomechanics (3)
ME 722	Modeling Dynamics of Mechanical Systems (3)
ME 750	Biomechanics of Human Motion (3)
ME 751	Exp. Methods in Biomechanics (3)
ME 753	Bone Biomechanics (3)
ME 754	Biomedical Optics (3)
ME 756	Biofluids (3)
ME 757	Biomechanical Systems (3)
ME 758	Physiological System Dynamics (3)
ME 760	Biomedical Product Design (3)
ME 765	Biomaterials (3)
ME 854	Continuum Mechanics for Soft Tissues (3)
CPE 752	Tissue Engineering (3)

**BREADTH** 9 hours minimum

*Choose appropriate courses from the Master Breadth Course List.*

1. Math, Statistics, Numerical Methods (1 course min)
2. Advanced Engineering (700-level or above) or Life Sciences (2 course min)

**RESEARCH** 6 hours minimum

BIOE 899	Independent Investigation (Thesis)
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*These hours are taken under your advisor/committee chair.*

**MINIMUM HOURS REQUIRED FOR DEGREE: 30**