KU BIOENGINEERING GRADUATE PROGRAM
The University of Kansas

Master of Science in Bioengineering
Track: Biomaterials & Tissue Engineering

Students entering SP20 to present

Track Director: Candan Tamerler, Ph.D. (ctamerler@ku.edu)

CORE	6 hours required
C&PE 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
1. Advanced Engineering (2 course min)	
ME 765	Biomaterials (3)
ME 767	Molecular Biomimetics (3)
ME 854	Continuum Mechanics of Soft Tissues (3)
ME 990	Advanced Biomaterials (3)
C&PE 715	Drug Delivery (3)
C&PE 757	Polymer Science & Technology (3)
C&PE 751	Basic Rheology (3)
C&PE 752	Tissue Engineering (3)
ME 790	Biomedical Microdevices (3)
2. Advanced Biological Sciences (1 course max)	
ANAT 845 / BIOL 560	Histology (3)
MICR 808 / BIOL 503	Immunology (3)
MICR 825 / BIOL 512	Virology (3)
BIOL 612	Fundamentals of Microbiology (3)
BIOL 546	Mammalian Physiology (4)
BIOL 752	Cell Biology (3)
PHCH 860	Principles & Practice of Chemical Biology (3)

BREADTH	9 hours minimum
1. Math; Statistics; Numerical Methods (1 course min)	
2. Sciences (1 course min)	
3. Advanced Engineering (1 course min)	

RESEARCH	6 hours minimum
BIOE 899	Independent Investigation (Thesis)

These hours are taken under your advisor/committee chair.

MINIMUM HOURS REQUIRED FOR DEGREE: 30

No more than 3 classes may be taken at the 500-600 level and counted towards the graduate degree.