KU BIOENGINEERING GRADUATE PROGRAM
The University of Kansas

Master of Engineering in Bioengineering
Track: Biomaterials & Tissue Engineering

Track Director: Candan Tamerler, Ph.D. (ctamerler@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
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)
CPE 715	Drug Delivery (3)
CPE 715	Polymer Science & Technology (3)
CPE 751	Basic Rheology (3)
CPE 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	15 hours minimum

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

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.