

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

**Master of Science in Bioengineering
Track: Bioimaging**

Students entering SP12 to present

Track Director: Xinmai Yang, Ph.D. (xmyang@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 minimum

Choose appropriate courses with advisor from the following list:

SPLH 764	Seminar in ____/PHSL 838 Advanced Topics in ____ (1-3)
PHSL 848	Fundamentals of Biomedical Imaging (3)
PHSL 801-8	Anatomy and Physiology (1-4)
ME 752	Acoustics
ME 754	Biomedical Optics
ME 758	Physiological Systems
EECS 744	Digital Signal Processing (3)
EECS 740	Digital Image Processing (3)
EECS 721	RF Engineering/Antennas (3)
CPE 778	Applied Optimization Techniques (3)
EECS 869	Information Theory and Coding (3)
BIOL 943	Multivariate Data Analysis (3)
EECS 781	Numerical Analysis I (3)
EECS 782	Numerical Analysis II (3)

BREADTH 9 hours minimum

Choose appropriate courses from the Master Breadth Course List.

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

No more than 2 classes may be taken at the 500-600 level and counted towards the graduate degree.