

KU BIOENGINEERING
GRADUATE PROGRAM
The University of Kansas

Doctor of Philosophy in Bioengineering

Track: Bioimaging

Students entering SP12 to present

Track Director: Xinmai Yang, Ph.D. (xmyang@ku.edu)

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| CORE | 6 hours required |
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| CPE 756 | Intro to Bioengineering (3) |
| BIOE 800 | Bioengineering Colloquium (.5) (2 total hours req) |
| BIOE 801 | Responsible Conduct of Research in Engineering (1) |

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| DEPTH | 9 hours minimum |
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Choose appropriate courses with advisor from the following list:

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| 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) |

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| BREADTH | 21 hours minimum |
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Choose appropriate courses from the Master Breadth Course List.

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| RESEARCH | 18 hours minimum - 24 hours maximum |
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| BIOE 999 | Independent Investigation (Dissertation) |
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These hours are taken under your advisor/committee chair.

MINIMUM HOURS REQUIRED FOR DEGREE: 60