

# KU BIOENGINEERING GRADUATE PROGRAM

The University of Kansas

## Master of Science in Bioengineering

### Track: Bioinformatics

Students entering SP13 to present

Track Director: Luke Huan, Ph.D. ([lhuan@ittc.ku.edu](mailto:lhuan@ittc.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
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#### REQUIRED COURSE

EECS 730 Introduction to Bioinformatics (3)

#### ELECTIVE COURSES (2 min)

Choose appropriate courses with advisor from the following list:

EECS 647 Introduction to Database Systems (3)  
EECS 649 Introduction to Artificial Intelligence (3)  
EECS 700 Special Topics in Bioinformatics (1-5)  
EECS 718 Graph Algorithms (3)  
EECS 737 Computational Genomics (3)  
EECS 738 Machine Learning (3)  
EECS 739 Scientific Parallel Computing (3)  
EECS 740 Image Processing (3)  
EECS 749 Knowledge Based Systems (3)  
EECS 767 Information Retrieval (3)  
EECS 775 Visualization (3)  
EECS 833 Neural Networks and Fuzzy Systems (3)  
EECS 835 Protein Bioinformatics (3)  
EECS 837 Data Mining (3)

or other EECS course approved by committee.

BREADTH	9 hours minimum
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Choose appropriate courses from the Master Breadth Course List.

RESEARCH	6 hours minimum
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BIOE 899 Independent Investigation (Thesis)

These hours are taken under your advisor/committee chair.

**MINIMUM HOURS REQUIRED FOR DEGREE: 30**