

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

**Doctor of Philosophy in Bioengineering**  
**Track: Biomolecular Engineering**

Students entering FA13 to present

Track Director: Prajna Dhar, Ph.D. ([prajnadhar@ku.edu](mailto:prajnadhar@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. Modeling, Mass Transport, or Kinetics (2 courses min)	
CPE 701	Numerical Methods (3)
CPE 715	Drug Delivery (3)
CPE 732	Mass Transport (3)
PHCH 625	Pharmacokinetics (3)

2. Advanced Biological Sciences (1 course min)	
EECS 730	Introduction to Bioinformatics (3)
CPE 725	Molecular Cell Biology (3)
CHEM 510	Biological Physical Chemistry (3) (formerly CHEM 640)
BIOL 600 or 636	Biochemistry (3-4)
PHCH 870	Advanced Pharmaceutical Biotechnology (3)

BREADTH	21 hours minimum
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*Choose appropriate courses with advisor from master list in the following categories:*

1. Statistics (1 course min)
2. Sciences (1 course min)
3. Advanced Engineering (1 course min)

RESEARCH	18 hours minimum - 24 hours maximum
BIOE 999	Independent Investigation (Dissertation)

*These hours are taken under your advisor/committee chair.*

**MINIMUM HOURS REQUIRED FOR DEGREE: 60**