

# KU BIOENGINEERING GRADUATE PROGRAM

The University of Kansas

## Master of Science 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
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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)

DEPTH	6 hours required
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1. Modeling, Mass Transport, or Kinetics (1 course 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	12 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	6 hours minimum
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BIOE 899	Independent Investigation (Thesis)
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*These hours are taken under your advisor/committee chair.*

**MINIMUM HOURS REQUIRED FOR DEGREE: 30**