**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**  6 hours required
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
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
- BIOE 899  Independent Investigation (Thesis)

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

**MINIMUM HOURS REQUIRED FOR DEGREE:**  30