



**Master of Science in Bioengineering**

**Track: Biomedical Product Design and Development**

Students entering SP12 to present

Track Co-Directors: Lisa Friis, Ph.D. (lfriis@ku.edu) and Sara Wilson, Ph.D. (sewilson@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. Courses required for track**

ME 765	Biomaterials (3)
<b>AND</b>	
ME 760	Biomedical Product Design (3)

**2. Design (1 course min)**

*Choose appropriate courses with advisor from the following list:*

ME 696	Design for Manufacturability (3)
ME 769	Systems Design and Analysis (3-5)
ME 708	Microcontroller Applications (2-3)
ME 808	Advanced Microprocessor Applications (3)
EECS 747	Mobile Robotics (3)
AE 721/722	Aircraft Design Lab I&II (4)
EECS 721	Antennas (3)

*or other Design course(s) as approved by committee.*

**BREADTH** 9 hours minimum

*Choose appropriate courses from the Master Breadth Course List.*

1. Math Statistics, Numerical Methods (1 course min)
2. Advanced Engineering (700 or above)
3. Life Sciences
4. Management & Business (0 required, 1 course max)
  - ENTR 750 New Venture Creation / Business Plan Development (4)
  - or any upper level business courses as approved by committee*

**RESEARCH** 6 hours minimum

BIOE 899	Independent Investigation (Thesis)
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*These hours are taken under your advisor/committee chair.*

**MINIMUM HOURS REQUIRED FOR DEGREE: 30**