

BIO

engineering

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LOS ANGELES
MISSION COLLEGE

and healthcare

BIOENGINEERING:

Bioengineering is a combination of biology, physics, chemistry, mathematics and computer sciences. Bioengineers apply engineering methods to open the possibility of creating new human tissues, organs, blood and biological instruments. The Biomedical Engineering Society has developed a list of fields majoring in bioengineering. They include (figure 1):

- Bioelectric
- Biomaterials
- Biomechanics
- Clinical Engineering
- Orthopedic Bioengineering
- Bioinstrumentation
- Cellular, Tissue, and Genetic Engineering
- Rehabilitation Engineering

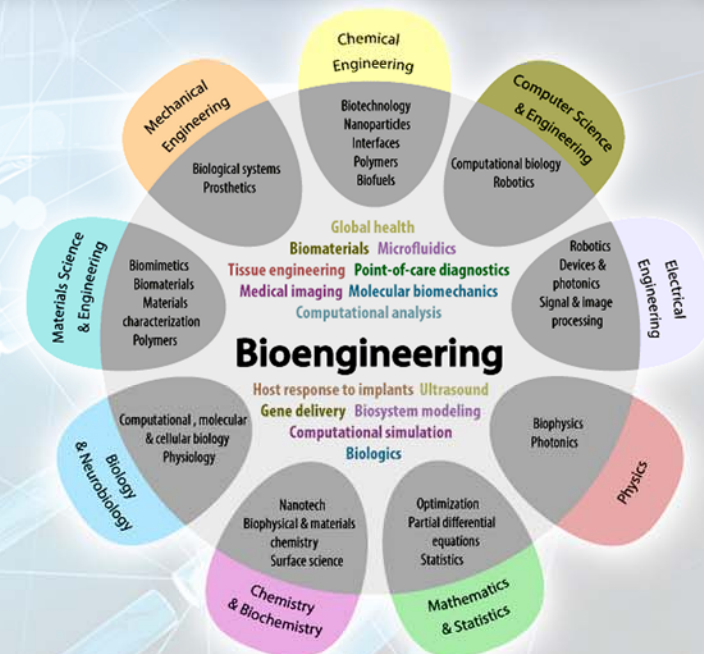


Figure 1: Bioengineering fields

www.bioe.uw.edu

