

Biomedical Engineering (B.E.)

Biomedical engineers design and implement solutions to meet a variety of medical needs. Among other tasks, biomedical engineers apply their knowledge in biology, research, and electronics to create artificial organs and design medical instruments. They may also be involved in research to help formulate new clinical procedures. Because of the practical importance and technically challenging nature of biomedical engineering, a B.E. in biomedical engineering is highly valuable.



Transferable Skills

-
- Computer programming skills
 - Operate scientific equipment
 - Conduct and share research
 - Organize and maintain accurate records
 - Have detailed knowledge of lab techniques
 - Computer-assisted design (CAD)
 - Solve problems and make detailed observations
 - Knowledge of general medical conditions
 - Clinical experience and classroom experience
 - Analytical and problem solving skills
 - Mathematical analysis
 - Electrical design

Career Communities to Consider

-
- Healthcare
 - Research
 - Public Service
 - Technology & Engineering