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Biomedical engineering (BME), also known as bioengineering, is the application of engineering principles and design concepts to medicine and biology for healthcare purposes (e.g. diagnostic or therapeutic). This field seeks to close the gap between engineering and medicine, combining the design and problem solving skills of engineering with medical biological sciences to advance health care ...

Biomedical engineering - Wikipedia

A biomedical engineering/equipment technician/technologist (' BMET ') or biomedical engineering/equipment specialist (BES or BMES) is typically an electro-mechanical technician or technologist who ensures that medical equipment is well-maintained, properly configured, and safely functional. In healthcare environments, BMETs often work with or officiate as a biomedical and/or clinical engineer ...

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The Department of Biomedical Engineering was established in 1968 at Case Western Reserve University, founded on the premise that engineering principles provide an important basis for innovative and unique solutions to a wide range of biomedical and clinical challenges.

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Cathy Holtzinger, MLT (ASCP),* Edwina Szelag, MHM, BSMT (ASCP),* Jeffrey A. DuBois, PhD,â€

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