



Boimedic engineering

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What is Biomedical engineering?

Biomedical Engineering is an area that links Principles of exact sciences (mathematics, physics, chemistry) and health sciences (orthopedics, ophthalmology, developing innovative approaches applied in the prevention, diagnosis and therapy of diseases.



What is it for?

To solve problems, it is dedicated to the development and production, examples of prostheses, medical instruments, diagnostic equipment.

In addition, Biomedical Engineers are occupying positions in hospitals and clinics (hospital administration and clinical engineering), and (development and development of new equipment) and universities.

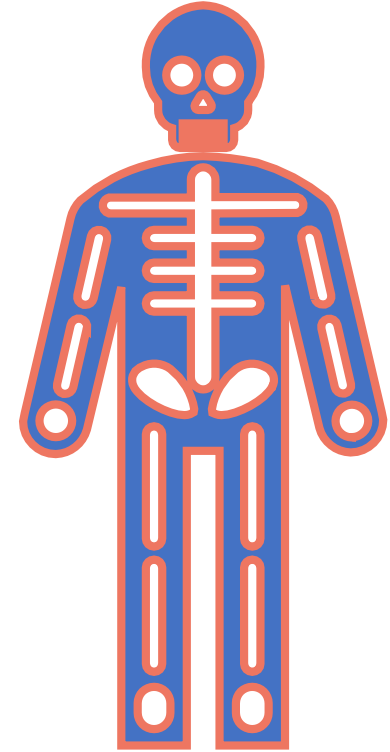
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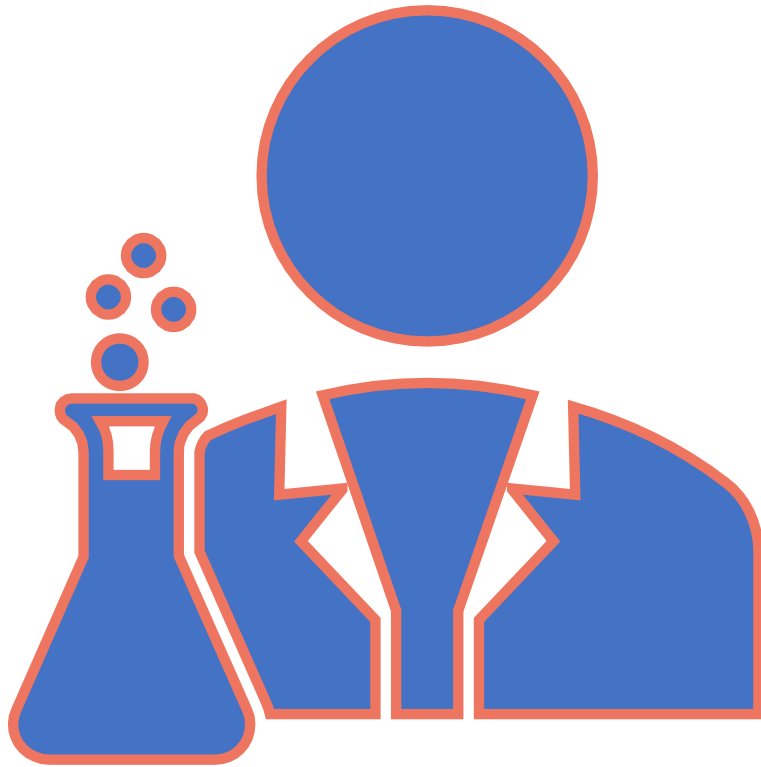
Examples:

HUMAN BODY

Functioning of the human body.

Engineering techniques can be applied to the study of the human body.





Thus, an engineer is interested in the transport and transformation of food, blood and oxygen in the human body, with the properties of the materials that constitute it, with the distribution of chemical elements and with the properties of tissues. This information is used to produce models of the human body with which it is possible to predict the effects of therapies to be performed.

Webgrafia

- <https://youtu.be/CbdkuveJeh0>
- https://pt.wikipedia.org/wiki/Engenharia_biom%C3%A9dica