MSc in Info-Bionics Engineering

This programme is available only in Hungarian.

What is info-bionics, and what is it good for?

Info-bionics is a relatively new field of science, it is a combination of information technology and biotechnology. Info-bionics is the science of the future, and info-bionics engineers are meant to build a bridge between physicians, IT personnel, pharmacists, and biological scientists.

After graduation, students can work in either of the above disciplines; they will be able to develop concrete, directly usable products (like intelligent prostheses, built-in drug delivery devices, or diagnostic tools), or they can take part in the implementation of human-computer interfaces, to accelerate cooperation between man and machine: like interactions based on tracking the eyes' movement. Finally, qualified experts can contribute to scientific researches.

Also, the fields where the knowledge acquired at our program can be used, are still in the making, still in development, with such new perspectives that at the moment may probably be considered only as imaginative theories of science fiction.

Who can apply?

- students with BSc in Molecular Bionics,
- students with BSc in Biological Engineering, Electrical Engineering, Informatics Engineering, Chemical Engineering, Biology, or Chemistry, and also students with MSc in Medicine, Dentistry, and Pharmacy, who have a minimum of 50 credits of required subjects,
- students with BSc or MSc degrees, who had already accomplished the 50 credits during their former studies, which have been accepted by the Credit Transfer Committee.

After finishing their studies, graduated informatics experts of the program will:

- have substantive, fact-based knowledge in natural sciences, electronics, information technology and medicine,
- be able to do research, development, and practical work independently or as part of a group at a high standard in the fields of biology, informatics and medicine,
- have problem resolving and cooperative capabilities needed to perform the tasks of their scope of activity,
- be able to pursue research in the field of info-bionics,
- have the ability to continue their studies in doctoral (PhD) programs.

Source URL (retrieved on 2016-06-03 05:13):