



Silesian University of Technology (SUT), Biomedical Engineering (BE) Faculty

Information systems in medicine

Preliminary assumptions of new specialization within Biomedical Engineering (BE) direction:

Information systems in medicine.

with the elements of health care units management and IT project management

(in cooperation with Nyenrode Business University NBU, Eindhoven University of Technology EUT, Royal Philips)

- direction: Biomedical Engineering (Faculty of BE, Silesian University of Technology),
- Bachelor degree (will be continued in future on Master and Postgraduate studies),
- 7 semesters, 210 ECTS,
- min. 4 weeks of apprenticeships,
- language: English,
- planned start: October 2018,

- Studies carrying out in international partnership with:
 - a) academic partners:
 - **Nyenrode Business University (Netherlands) (NBU),**
 - **Eindhoven University of Technology (Netherlands) (EUT),**
 - **University of Siegen (Germany) (UoS),**
 - **Brno University of Technology (Czech Rep.) (BUT),**
 - **Clinics,**
 - **others**
 - b) commercial partners (main, chosen):
 - **Royal Philips (Netherlands) including Philips Poland,**
 - **others**

- Recruitment: **30 students** (1 student group = 2 lab./proj. sections)

Internationalization of new specialization:

- Internships, trainings in commercial partners e.g. Philips
(bilateral agreement required)
- Transition projects as well as Bachelor's Degree Final Projects carrying out in cooperation with Philips and other partners *(this proposition concerns also current Masters and PhDs project realization in the nearest future),*
- Student exchange (full semesters) within Erasmus + and other programs *(bilateral agreement required, sample agreement in attachment)*
- Visiting Professors - bidirectional exchange from/to EUT, NBU, BUT, Ostrava UT, Siegen UT
- International workshops and visits to partner's units
- Participation in biomedical conferences, fairs and other events



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- Webinars, tele-meetings
- Optionally (depending on financial support) full semester carried out at NBU with "Management of Medical IT Projects" and "Management in Health Care Units" topics.

Cooperation agreements with international partners:

- Bilateral agreement for ERASMUS+ exchange between SUT BE direction and EUT, BTU and other academic partners,
- Frame, general agreement between SUT and NBU concerning didactic and research cooperation,
- Agreement with commercial partner Philips, concerning student's practices, internships, study visits etc.