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 Erassmus + 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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**Information systems in medicine**
- 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.