

Medizinische Fakultät

Promotionsfach - Biomedizinische Technik

Biomedical engineering, the application of engineering principles to the medical field is a growing interdisciplinary area of the present century. Thanks to increasing life expectancy, its potential is by far above average. In Switzerland, medical technology is a particularly well-established and well-embedded industry sector driving the international standards. Swiss companies are among the global players in key business areas such as dental implants and hearing aids. Small- to medium-sized enterprises, which occupy market niches, reap extraordinary rewards. Therefore, an increasing demand for well-educated and motivated engineers with basic medical knowledge is guaranteed.

Studienfachberatung:

PhD Program Coordinator: *Dr. Gabriela Oser, Department of Biomedical Engineering* Mail: gabriela.oser@unibas.ch, <http://dbe.unibas.ch>,* Anmeldung siehe: * <https://medizin.unibas.ch/de/karriere/doctoral-degrees/phd-dr-sc-med/>

Doktorat Biomedizinische Technik: Empfehlungen

55664-01	Blockkurs: Rapid prototyping for measurement systems, automation, control, artificial intelligence, and virtual reality (2 KP)	Mo 09:00-17:00 Gewerbstrasse 14 Block 14.02.2022 - 18.02.2022 1 week, each day 9:00 - 17:00 Gewerbstrasse 14, Allschwil	Nicolas Gerig Georg Rauter
62637-01	Kurs: Innovation in Cranio-Maxillofacial Surgery – Current Topics and Research (1 KP)	Mo 17:00-18:00 wöchentlich Unispital Basel, Klinikum 1, 1. Stock, Bibliothek WHC / MKG-Chirurgie (findet jeden Montag auch während der Semesterferien statt)	Bilal Msallem Florian Markus Thieringer
62635-01	Kurs: Klinische Orthopaedie und Traumatologie (1 KP)	Mi 08:15-10:00 wöchentlich Sitzungssaal 1+2 im ZLF	Reinald G.H. Brunner Henrik Eckardt Christian Egloff Alexandre Olivier Kämpfen Arne Mehrkens Marc Andreas Müller Annegret Mündermann Karl Stoffel
62636-01	Seminar: Escape the Box: Computer Vision (1 KP)	Mo 11:15-12:00 Gewerbstrasse 14 wöchentlich	Philippe Claude Cattin
62634-01	Seminar: Navigation, Robotics and Lasers in Surgery (1 KP)		Georg Rauter
26940-01	Seminar: Regenerative medicine Journal Club (3 KP Jahreskurs)	Do 13:30-14:30 14-täglich ZLF, DBM Seminarraum Hebelstrasse 20, 4031 Basel	Ivan Martin
26941-01	Seminar: Tissue Engineering Reports (3 KP Jahreskurs)	Di 17:00-18:00 wöchentlich Klinikum I, Raum Knotenpunkt.	Ivan Martin
59975-01	Seminar mit Übung: Open science: principles and practices for better research (1 KP)	Do 16:30-17:30 wöchentlich University Hospital Basel, Konferenzraum 4 - Radiology	Tugba Akinci D'Antonoli Xeni Deligianni Francesco Santini Claudia Weidensteiner