

Core Course

Recommended Elective Course

Biology Course

| Monday | | | | | | | |
|--------|-----------------------------|--------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------|--|----------------------------------|--|
| 08:00 | | | Physiology and Anatomy for Biomedical Engineers II | | | | |
| 09:00 | | | | | | | |
| 10:00 | Soft and Biohybrid Robotics | Clinical Challenges in Musculoskeletal Disorders | | Principles in Tissue Engineering | | | |
| 11:00 | | | | | | | |
| 12:00 | | | | | | | |
| 13:00 | | | | | | | |
| 14:00 | | Mobile Health and Activity Monitoring | Finite Element Analysis in Biomedical Engineering | | | Biological Methods for Engineers | |
| 15:00 | | | | | | | |
| 16:00 | Nanoscale Molecular Imaging | | | MaP Distinguished Lecture Series on Engineering with Living Materials | | | |
| 17:00 | | | | | | | |
| 18:00 | | | | | | | |

| Tuesday | | | | | | |
|---------|------------------------|----------------------------------|-----------------------------|-----------------------------------------------|----------------------------------------|-----------------------------------------------------------|
| 08:00 | Experimental Mechanics | | | Rehabilitation Engineering I: Motor Functions | | Medical Technology Innovation for Underrepresented Groups |
| 09:00 | | | | | | |
| 10:00 | | Nanorobotics | | | Statistics for Experimental Research * | |
| 11:00 | | | | | | |
| 12:00 | | | | | | |
| 13:00 | | | Soft and Biohybrid Robotics | | | |
| 14:00 | Medical Image Analysis | Introduction to Machine Learning | | | | |
| 15:00 | | | | | | |
| 16:00 | | | | Mechanics of Soft Materials and Tissues | | |
| 17:00 | | | | | | |
| 18:00 | | | | | | |

| Wednesday | | | | | | |
|-----------|--|------------------------------------------|----------------------------|--|--|--|
| 08:00 | | | | | | |
| 09:00 | | Cell and Molecular Biology for Engineers | Colloquium in Biomechanics | | | |
| 10:00 | | | | | | |
| 11:00 | | | | | | |
| 12:00 | | | | | | |
| 13:00 | | | | | | |
| 14:00 | | Introduction to Machine Learning | | | | |
| 15:00 | | | | | | |
| 16:00 | | | | | | |
| 17:00 | | | Orthopaedic Biomechanics | | | |
| 18:00 | | | | | | |

| Thursday | | | | | | |
|----------|--|--------------|-----------------------------------------------------|------------------------------|---------------------------------------------|--|
| 08:00 | | | | | | |
| 09:00 | | | | | | |
| 10:00 | | | Quantitative Big Imaging: From Images to Statistics | Digital Health in Practice * | Development Strategies for Medical Implants | |
| 11:00 | | | | | | |
| 12:00 | | | | | | |
| 13:00 | | | | | Development Strategies for Medical Implants | |
| 14:00 | | | | | | |
| 15:00 | | | Cell and Molecular Biology for Engineers | Skeletal Repair | | |
| 16:00 | | Nanorobotics | | | | |
| 17:00 | | | | | Mechano-Genomics in Health and Disease | |
| 18:00 | | | | | | |

| Friday | | | | | | |
|--------|-------------|----------------------------------|-----------------|---------------------------------------------------|-----------------------------------------------|--|
| 08:00 | | | | | Rehabilitation Engineering I: Motor Functions | |
| 09:00 | | | | | | |
| 10:00 | Nano-Optics | | Biofluidynamics | | | |
| 11:00 | | | | | | |
| 12:00 | | | | | | |
| 13:00 | | | | | | |
| 14:00 | Nano-Optics | Introduction to Machine Learning | | Physics in Medical Research: From Humans to Cells | | |
| 15:00 | | | | | | |
| 16:00 | | | | | | |
| 17:00 | | | | | | |
| 18:00 | | | | | | |

June 2025: Sports Biomechanics Various times: Anwendungsnahes Programmieren mit Python

*: not offered in FS25

Note: This is an informal help for students. The official courses can be seen on the Course Catalogue of ETH (www.vz.ethz.ch)