



MSc Biomedical Engineering (BME): Who We Are

Administrative part

Christian Frei
Coordinator MSc BME



Reto Kreuzer
Coordinator of studies, D-ITET*



*Other ETH-departments involved: D-HEST, D-MAVT and D-PHYS



MSc Biomedical Engineering (BME): Who We Are (Track Advisors)

- **Bioelectronics**
 - Taekwang Jang
 - Janos Vörös
 - Hua Wang
 - Mehmet Fatih Yanik

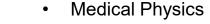








- Biomechanics
 - Ralph Müller
- Bioimaging
 - Klaas Prüssmann



- Tony Lomax
- Marco Stampanoni
- Mol. Bioengineering
 - Mark Tibbitt
 - Marcy Zenobi















- Representative D-MAVT
 - **Brad Nelson**





BEEZ and AMIV

- BEEZ: Biomedical Engineering Student Association
 - Lorenzo Petrella
 - Javi Miragall





AMIV: Student's Association of D-ITET and D-MAVT





Incoming Class HS23

- 70 students
 - China (2), Czech Republic (1), France (1), Germany (1),
 Iceland (2), Italy (10), Netherlands (1), Portugal (1),
 Spain (7), Switzerland (42) and USA (2)

ETH Zurich Bachelors (37)

Males (34), females (36)

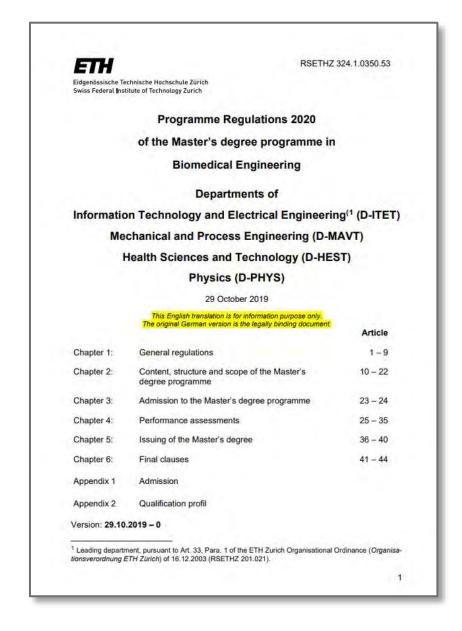
Note: Some students are not enrolled yet





Your Studies are Subject to Regulations

- Study regulations
 - www.rechtssammlung.ethz.ch
 - www.master-biomed.ethz.ch





Reminder: Student Online Portal

- Your administrative duties on <u>www.mystudies.ethz.ch</u>
- Enrollment to courses and exams:
 - Register for each semester until the end of the second week
 - Register for courses (early in the semester; you need to be registered for a course to enroll for an exam)
 - Submit a study plan/learning agreement (until the end of the 4th week)
 - Enroll for exams please enroll during the 3rd and 4th week of the semester (withdrawal possible until very late)
- Read your e-mails!



Login

You must select the language before logging in. Die Sprachauswahl kann nur vor dem Login erfolgen.

Use your ETH Zurich account (nethz).

Start

How to Choose / Enroll for Lectures?

- Consult your track advisor!
- Overview of lectures to choose from:
 - http://www.master-biomed.ethz.ch/education

- Course catalogue:
 - www.vvz.ethz.ch
 - Level:
 - Master's Degree Programme
 - Department: ITET
 - Programme: Biomedical Engineering
 Master





120 Credits ECTS to Fulfill the MSc BME

Mandatory credits

_	Track Courses	52 CP
	Track Coarses	02 01

- Track Core Courses, at least 12 CP
- Recommended Elective Courses
- Biology Courses

Part of the learning agreement (see below)

_	Semester Project	12 CP
_	Master Project	30 CP
_	Science in Perspective (SiP)	2 CP

• Sum 96 CP



120 Credits ECTS to Fulfill the MSc BME

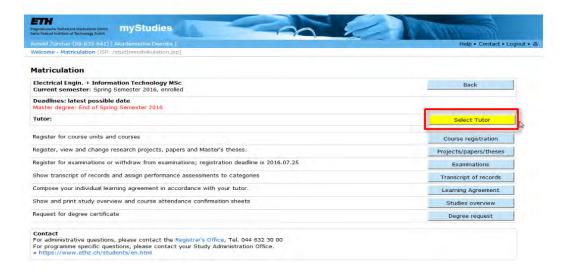
Mandatory credits		Selected choice			
 Track Courses Track Core Courses, at least 12 CP Recommended Elective Courses 	52 CP	 More Track Courses 	up to 24 CP		
 Biology Courses 		Additional Projects and LaboSemester Project 2	oratory Courses 12 CP		
Semester ProjectMaster ProjectScience in Perspective (SiP)	12 CP 30 CP 2 CP	Research ProjectIndustry Internship	6, 12, 18 or 24 CP 12 CP		
• Sum	96 CP	• Sum	24 CP		



Learning Agreement / Individual Study Plan

- Select tutor
- Discuss your choice with the track advisor, edit and submit the list in myStudies by the end of the fourth week of the semester

- Contains all core courses, recommended elective courses and biology courses
- Track advisors can allow courses not predefined for a particular track
- Only these courses can be accounted for the final degree



120 Credits ECTS to Fulfill the MSc BME

Mandatory credits	Selected choice			
 Track Courses Track Core Courses, at least 12 CP Recommended Elective Courses 	52 CP	 More Track Courses 	up to 24 CP	
 Biology Courses 		Additional Projects and LaboSemester Project 2	oratory Courses 12 CP	
Semester Project	12 CP	 Research Project 	6, 12, 18 or 24 CP	
Master Project	30 CP	 Industry Internship 	12 CP	
Science in Perspective (SiP)	2 CP			
• Sum	96 CP	• Sum	24 CP	

Need to be supervised by a Professor from a <u>predefined list</u>
>100 Professors from 9 different departments at ETH Zurich
No approval by track advisor required



120 Credits ECTS to Fulfill the MSc BME

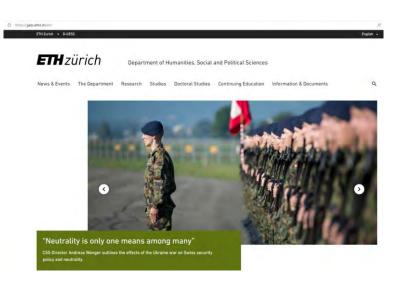
Mandatory credits

- Track Courses 52 CP

- Track Core Courses, at least 12 CP
- Recommended Elective Courses
- Biology Courses

 Semester Project 	12 CP
Master Project	30 CP
 Science in Perspective (SiP) 	2 CP

96 CP



The SiP courses are mandatory for all students at ETH Zurich

SiP courses are selected and offered by the Department of Humanities, Social and Political Sciences (D-GESS)

Contact: Study admin D-GESS, Malte Bachem, malte.bachem@gess.ethz.ch

https://gess.ethz.ch/en/studies/science-in-perspective.html

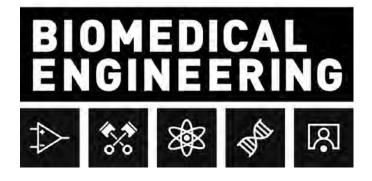


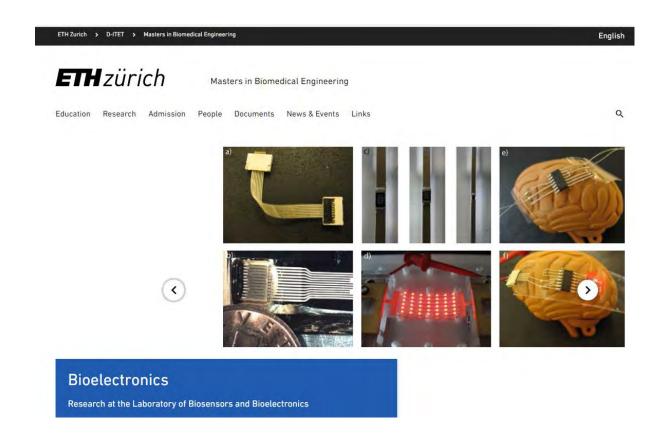
Sum

Questions?

- Come to us
- This presentation can be downloaded from our website:
 - http://www.master-biomed.ethz.ch/









Dr. Christian Frei Coordinator MSc Biomedical Engineering frei@biomed.ee.ethz.ch

ETH Zürich D-ITET Gloriastrasse 37/39, GLC F 12.2 8092 Zürich



D-ITET Contacts + Information – for MSc Biomedical Engineering students

September 18, 2023 Reto Kreuzer, Coordinator of Studies / Student Advisor, D-ITET

Agenda

- 1. The D-ITET your new host department
- 2. Finding the right contact
- 3. Courses, exams and credits
- 4. Useful information





Numbers

BSc	ETH D-ITET	10'665 786	• 41 professors
MSc	D-ITET Electrical Engineering MSc Biomedical Engineering MSc Energy Science & Technology MSc Quantum Engineering MSc Neural Systems & Comp. MSc (UZH)	8'737 1'031 565 194 105 115 52	 50+ other lecturers 500+ PhD students Study administration AMIV (incl. LIMES)
Exchange	ETH D-ITET	386 49	• IT support



Professors









Prof. Maksym Yarema

Prof. Fisher Yu

















Prof. Mehmet Fatih Yanik



Prof. Hua Wang

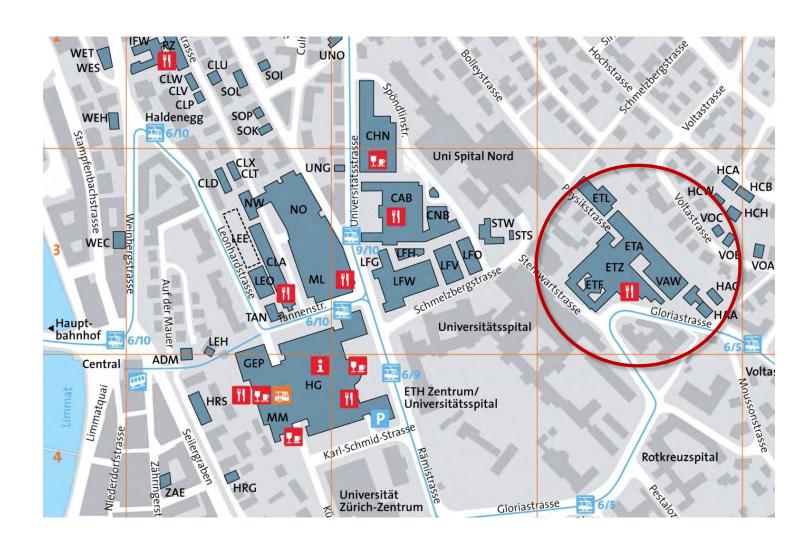
D-ITET Welcome Day

Prof. Vanessa C. Wood

Prof. Roger P. Wattenhofer



Map of ETH and D-ITET





Where do I find information on the web?

General Information on studies at ETH

ETH students' website: www.ethz.ch/students

Information on the Master in Biomedical Engineering

D-ITET website: www.master-biomed.ethz.ch

Course catalogue

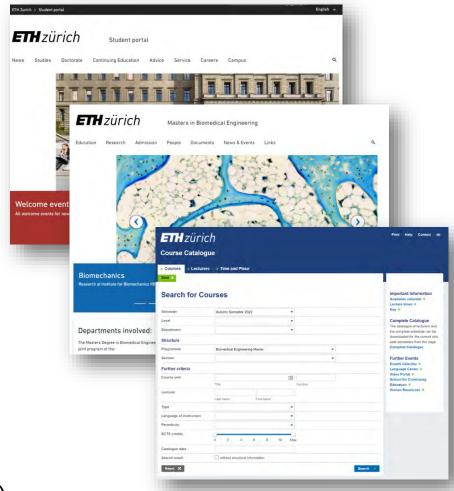
Online: <u>www.vvz.ethz.ch</u> > Programme >

Electrical Engineering (...) Master

Messages from ETH and the Department

Email on your ETH-Address (<u>username@student.ethz.ch</u>)

→ check your mailbox regularly and read the messages carefully!

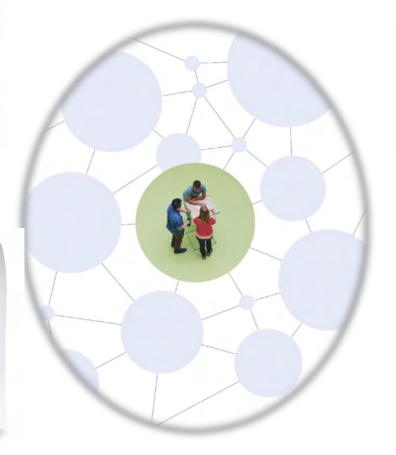


Your most important contacts at ETH and the D-ITET

ETH / Rectorate

Registrar's Office (HG F 19)

General administrative questions e.g. matriculation, address changes, residence etc.



D-ITET / central services

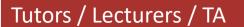
Student Admin (ETZ H 85)

Study specific admin. questions e.g. grades/transcripts, waivers, counselling

Students' association

AMIV (CAB E 37)

Social contacts, networking



Course specific questions, study plan



Your contacts at the D-ITET



Prof. Sebastian Kozerke
Director of studies D-ITET





Reto Kreuzer
Head of Student
Administration /
Student advisor

ETZ H 83 +41 44 632 08 15 info@ee.ethz.ch



Andrea Salow / Tali Scheiner Student Administration

ETZ H 85 +41 44 632 50 03 info@ee.ethz.ch



Audrey Djouadi
Course scheduling /
Student exchange advisor

ETZ H 87 +41 44 632 89 57 info@ee.ethz.ch



myStudies – do not forget to...

Register for courses and exams

- Register for each semester until the end of the second week
- Register for courses early in the semester; you need to be registered for a course to enroll for an exam
- Submit the tutor agreement until the end of the 4th week of the semester
- Enroll for exams enroll during the 3rd and 4th week of the semester, withdrawal possible until very late

Notify us of your address changes

Read your E-Mails!



Enrolling for courses

- All courses you wish to count towards your Master Diploma must be enrolled for (both the course and the exam);
- Only courses agreed upon by your track advisor will count for the degree, other courses go on a separate sheet, attached to the final transcript.
- In particular, do not forget to enroll for the **Semester Projects** and the **Master Thesis** (special section in myStudies "Projects/Papers/Theses).



Performance Assessments

- Three types of performance assessments:
 - Session examination (Winter session: January/February Summer session: August),
 Attention to registration/deregistration deadlines
 - End-of-semester examination (2 weeks before end of lectures until 2 weeks after end of lectures), Attention to registration/deregistration deadlines
 - Graded/ungraded semester performance (e.g. semester project or internship in industry (performance during semester), Attention minimum/maximum allowed time/deadlines
- Passed exams cannot be re-taken, failed exams can be re-taken once!
- Special rules may apply regarding allowed (written) aids:
 - Course catalogue > see "Performance assessment"
 - Personal exam schedule in myStudies (for session examinations)
 - Lecturer/examiner





Counselling at ETH and the D-ITET

- Course selection ? → your track advisor
- Studies at D-ITET, i.e., deadlines, failures at examinations etc. ? → the coordinator of studies
- General questions regarding your arrival at ETH ? → <u>international student support</u>
- Time management / motivation ? → <u>student coaching</u>
- Difficult phases / personal problems ? → <u>psychological counselling service</u> (free of charge and confidential)

Computer infrastructure at ETHZ / D-ITET

- All public ETH-computers, e.g., Main Building HG D 11, or ET-Building ETZ D 61.1, require your n.ethz password, same as used for myStudies
- Only ITET students can access the computer infrastructure in the ET-building area, should you encounter a problem, contact D-ITET IT-support
- <u>Project Neptune</u> during a short period (until October 3), laptops and tablet computers
 may be purchased through ETH at interesting prices
- <u>IDES</u> ETH also offers software at very low cost, some products even for free. Remember: the use of non-licensed software is forbidden and subject to prosecution!

IT-support at D-ITET – https://infoposter.ee.ethz.ch



IT related information

ISG Website

The team, services & support

ISG Apps

Helpful applications

ISG Brochure

Introductory brochure

Computing Wiki

User's handbook

Student Computer Rooms

Where, reservation

ISG Service Status Page

Up-to-date service status

DISCOVER D-ITET AND ITS IT SERVICES



D-ITET related information

D-ITET

The department website

P&S

Registration for projects & seminars

FPApp

Registration for lab courses

Student Administration Office

Administrative support

Microelectronics Design Centre

Design tools, know-how

Project-based Learning (PBL)

Projects and hands-on practice

Facility Services

Services for ETZ, ETL, ETF, ETA and GLC





7 November 2023 16.00–19.00

ETH Library InfoCenter Rämistrasse 101, HG

- Get prepared to stay on time with your studies and your Master's thesis
- Know where to find help before the workload peaks
- Meet your peers, expand your **network**
- Enjoy impro theatre and a free drink

More information at:

library.ethz.ch/rock-your-masters

Code of conduct

« At D-ITET, we maintain an inclusive, open and friendly environment, where our students, employees and faculty can thrive and achieve their highest potential, based on mutual respect. To preserve this cordial environment, we do not tolerate misbehavior of any kind, including threats, violence, bullying, sexual harassment, discrimination, or dishonesty in study and in research. »

Prof. Jürg Leuthold, Head of Department

Further information on the Web:

- Our principles
- What is "inappropriate behavior"?
- How to react?
- Contacts / support





More details?

My Office

Reto Kreuzer, Study Coordinator D-ITET, ETZ H 83
Please send an E-mail to fix an appointment (reto.kreuzer@ee.ethz.ch)

This presentation

Available tomorrow morning on www.ee.ethz.ch > Studies > Forms and Documents



Enjoy your studies at ETH!



